



AMRITA
VISHWA VIDYAPEETHAM
UNIVERSITY
Established u/s 3 of the UGC Act 1956

University

RE-ACCREDITATION REPORT

PART – II

Submitted to:

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

P. O. Box. No. 1075, Nagarbhavi, Bangalore - 560 072

December 2013

EVALUATIVE REPORTS OF THE DEPARTMENTS
UNDER
AMRITA VISHWA VIDYAPEETHAM

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 <u>SCHOOLS UNDER THE UNIVERSITY</u>	
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Amrita Center for Nanosciences – Kochi

Evaluative Report of the Department

1. Name of the Department Amrita Centre for Nanosciences and Molecular Medicine
2. Year of establishment-2006
3. Is the Department part of a School/Faculty of the university? If so, specify.
It is a research center under Amrita University.
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

PG Programmes

S. No.	Programme Name	Programme Duration	Student Intake	Start Date
1	MTech Nanotechnology	2 Years	10	2011
2	MTech Nanoscience and Technology	2 Years	20	2007
3	MTech Molecular Medicine	2 Years	15	2011

5. Interdisciplinary programmes and departments involved
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
7. Details of programmes discontinued, if any, with reasons
N/A
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester
9. Participation of the department in the courses offered by other departments
Nil
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Actual
Professor	3	3
Associate Professors	8	8
Asst. Professors	10	10
Others	6	6

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of experience	Number of Ph.D. /M. Phil guided for last 4 years
Dr. Shantikumar Nair	Ph.D	Director	Metallurgical Engineering & Materials Science and Engineering	30	3
Dr. Manzoor Koyakutty	Ph.D	Professor	Nanotechnology	6	1
Dr. R Jayakumar	Ph.D	Professor	Polymeric Chemistry & Nanomaterials	6	3
Dr. Deepthy Menon	Ph.D	Associate Professor	Materials Science - Physics	6	1
Dr. Krishnakumar N Menon	Ph.D	Associate Professor	Neuroscience	5	0
Dr. C. Gopi Mohan	Ph.D	Associate Professor	Structural Bioinformatics, Computational Chemistry, Chemoinformatics, Structural Biology	2	0
Dr. K R V Subramanian	Ph.D	Associate Professor	Energy storage devices, photovoltaics	5	1
Dr. Krishnaprasad Chennazhi	Ph.D	Associate Professor	Tissue Engineering & Stem Cells	5	0
Dr.Sreekumaran Nair	Ph.D	Associate Professor	Chemistry	1	0
Dr.V N Giridharan	Ph.D	Associate Professor	Laboratory Animal Science	0	0
Dr. N. Sivakumar	Ph.D	Assistant Professor	Physics-Materials Science	2	0

Dr. Raja Biswas	Ph.D	Associate Professor	Microbial Genetics/Infection	4	0
Dr. Vinoth Kumar Lakshmanan	Ph.D	Assistant Professor	Cancer Biology	4	0
Dr. Bindhu Paul	Ph.D	Assistant Professor	Nanotoxicology/Reproductive & Developmental Biology	2	0
Dr. Avinash Balakrishnan	Ph.D	Assistant Professor	Materials Engineering	3	0
Dr. Basan Gowda.S	Ph.D	Assistant Professor	Bench to bedside stemcell therapy towards regenerative Medicine	2	0
Dr. Manitha B Nair	Ph.D	Assistant Professor	Bone tissue Engineering	1	0
Dr. Sahadev A Shankarappa	Ph.D	Assistant Professor	Neuroscience	0	0
Dr. Lakshmi Sumitra V	Ph.D	Assistant Professor	Molecular Biogy and Virology	2	0
Dr. Lalitha Biswas	Ph.D	Assistant Professor	Molecular Biology, Infection biology	3	0
Dr. Ullas Mony	Ph.D	Assistant Professor		0	0
Dr. Gopi Chellan	Ph.D	Research Scientist	Diabetics &wound healing	1	0
Dr. Sajini Vadukumpully	Ph.D	Research Scientist	Applied Chemistry	1	0
Dr. Parvathi Varma	Ph.D	Research Scientist	Microbiology	1	0
Dr. G Siddaraman a Gowd	Ph.D	Lecturer	Multifunctional nanoparticles, optical &magnetic resonance	2	0

			imaging applications		
Sajin P Ravi	Msc	Lecturer	Physics	1	0
Dr. Binulal Nelson Sathy	Ph.D	Research Associate	Bone tissue Engineering	0	0

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Note: Please provide details of date of appointment, courses taught, research projects executed, and any other contribution from the same. If the faculty are no longer with Amrita, mention the exit date. Provide in tabular form.

N/A

13. Percentage of classes taken by temporary faculty – programme-wise information

N/A

14. Programme-wise Student Teacher Ratio: Approx. 3:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, and actual

Administrative staff:

Designation	Sanctioned	Actual
Dr. Savitha Balakrishnan, Research Administrative Officer	1	1
Dr. Navya Jyothis, Medical officer	1	1
Keerthi Rajan Chalappurath, Tutor	1	1

16. Research thrust areas as recognized by major funding agencies

- Novel tissue engineered material replacements for human tissues, including bone, skin, cartilage, cardiac tissue, Liver tissue.
- Organ development using tissue engineering
- Development of nanomedicines and their toxicological evaluation
- Investigate molecular markers for cancer and neuro-degenerative diseases
- Development of nanomaterials for energy generation and storage - solar panels, Batteries, super capacitors and integrated devices.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Sl	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project*
1	Financial assistance for	Dr. Shantikumar V.	DST	2,94,92,000.00	2008-

	the P.G Entrance (M. Tech, Nano medical Science)	Nair			2013
2	Novel bio degradable thermo-responsive Nano- vehicles for Cancer Drug delivery applications	Dr R. Jayakumar	DBT	66,13,000.00	2008-2013
3	Development of Blood outgrowth Endothelial Cell and Nanofiber Scaffold Synergy in wound healing	Dr. Shantikumar V. Nair	ICMR	16,18,660.00	2011-2013
4	Centre for Education in integrated Nano material based photovoltaic storage devices and development of an integrated panel consisting of photovoltaic (PV) cells and nano structured super capacitor (SC) cells (PVSC panel)	PI: Dr. Shantikumar V. Nair Co-PI: Dr. K.R.V. Subramaniam, Dr. Avinash Balakrishnan, Dr. N. Sivakumar, Dr. A. Sreekumaran Nair	MNRE	8,50,03,200.00	2010-2013
5	Thematic Unit of Excellence on Tissue Engineering and Medical Bio-Nanotechnology at the Amrita Institute of	PI: Dr. Shantikumar V. Nair Co-PI: Dr. Manzoor, Dr. Deepthy Menon, Dr. Krishnakumar Menon, Dr. Jayakumar, Dr.	DST	15,32,80,664.00	2011-2016

	Medical Sciences & research Centre, Kochi"	Diip Panikar, Dr. Pavithran, Dr. Sudhindran			
6.	Identification of new autoantigens in Rheumatoid Arthritis using an unbiased clinical proteomics approach	Dr. Padmanabha Shenoy & Dr. Krishnakumar Menon	DBT	49,97,008.00	2012-2015
7.	Psychological and economic impact of surgery for congenital heart disease on Indian families	PI: Dr. R. Krishna Kumar Co-PI: Dr. Balu Vaidyanathan, Dr. Sunil G.S., Benedict Raj, Dr. Rakhi Balachandran, Dr K.R. Sundaram, Dr. Gitanjali Natrajan, Ms. Rehna C.	ICMR	12,03,035.00	2012-2015
8.	Genotypic phenotypic correlation study of type-1 neurofibromatosis (NF-1) in Indian Population	PI: Dr. Ashok Pillai Co-PI: Dr. Krishnakumar Menon, Dr. Sujith Nair, Dr. Sheela nampoothiri	ICMR	28,00,000.00	2012-2015
9.	FGF-18 loaded chitin-PLGA/Nano bioglass ceramic composite microgels for skull bone defects under the area of natural systems	Dr R. Jayakumar Co-PI: Dr. Krishna Prasad Chennazhi	DST	3,88,000.00	2013-2015
10.	High-throughput screening of biological activity of extracts from	Dr S. Sathianarayana n Co- PI: Anoop K.R.	Ministry of Earth Sciences Centre for marine Living	75,60,000.00	2012-2017

	deep sea marine organisms				
11.	Biocompatible Nanocomposite hydrogels for periodontal regeneration	Dr R. Jayakumar Co-PI: Dr. Krishna Prasad Chenanzhi	DST	33,67,000.00	2013-2016
12.	Metformin encapsulated biodegradable chitosan nanoparticles: A novel strategy for pancreatic cancer therapy	Dr. Vinoth K. Lakshmanan	DST	21,13,000.00	2012-2015
13.	Development of natural biopolymeric hydrogel bandages with nano ZnO/nanosuspensions of herb hemigraphis ulternata for wound dressing	Dr R. Jayakumar Co-PI: Dr. Vinoth K. Lakshmanan, Dr A.G. Unnikrishnan	DBT	43,76,400.00	2010-2013
14.	Novel targeted chitsan – based therapeutic polymeric nanomedicines for lung cancer applications	Dr R. Jayakumar	DST	4,31,200.00	2010-2013
15.	Plasma surface modification of marine based nanocomposite scaffolds and membranes for enhanced bioactivity	Dr R. Jayakumar Co-PI: Dr. C. Krishna Prasad Chennazhi, Dr. Deepthy Menon	DBT	44,31,000.00	2010-2013
16.	Role of cell surface molecules of Mycobacterium sp in	Dr. Raja Biswas	DBT	70,00,000.00	2009-2014

	infection and immune evasion-Ramalingaswami Fellowship				
17.	Construction of multivalent protein vaccine against staphylococcus aureus and immunogenicity	Dr. Raja Biswas	DBT	29,00,008.00	2009-2012
18.	Role of Mycobacterial peptidoglycan in host immune surveillance	Dr. Raja Biswas	DST	10,05,000.00	2011-2014
19.	Role of Staphylococcal Pathogen associated molecular patterns in septic arthritis	Dr. Lalitha Biswas	DST	20,98,000.00	2013-2016
20.	Potential Role of GroEL 2 of Mycobacterium SP in interaction with the host cells	PI: Dr. Raja Biswas Co-PI: Dr. Lakshmi Sumitra, Dr. Lalitha Biswas	DBT	30,54,600.00	2012-2015
21.	Identification and characterization of anti-microbial compounds(s) and adhesives produced by Lactobacillus fermentum	PI: Dr. Raja Biswas, Co-PI: Dr. Krishna Kumar Menon, Dr. Lalitha Biswas	DST	31,24,000.00	2012-2015
22.	In response to TB RFA-target identification and validation of inhibitors against Mycobacterium	PI: Dr. Raja Biswas, Co-PI: Dr. C. Gopi Mohan	DBT	25,52,400.00	2012-2015

	m tuberculosis non-classical L, D transpeptidases				
23.	Identification of Antigenic Epitopes from staphylococcus aureus Cell Wall Associated Proteins for Vaccine Design	PI: Dr. Lalitha Biswas Co-PI: Dr. Raja Biswas	ICMR	13,64,929.00	2012- 2013
24.	Fusion transcripts in cancer and the potential to inhibit by RNA interference under RNAi technology platform programme	Dr. Sujith Nair	DBT	57,84,000.00	2009- 2013
25.	Nanoengineere d Metallic and Biodegradable Coronary Stents”	Dr. Deepthy Menon, Co- PI: Dr. Krishna Prasad C, Dr. Shantikumar V. Nair	DBT	47,27,600.00	2012- 2015
26.	Innovative young Biotechnologis t award for the year 2012 Title “Genetically engineered BMP-2 and VEGF expression in mesenchymal stem cells on 3D scaffold for the treatment of segmental bone defect”	Dr. Manitha	DBT	41,19,000.00	2013- 2016
27.	Nano- fabrication of metal oxide based	Dr. Avinash Balakrishnan	DST	8,04,000.00	2012-

	composite electrodes with unique morphologies for super capacitor applications				2015
28.	Antibiotic incorporated tissue engineered multiscale fibrous scaffold for the treatment of osteomyelitis	Dr. Manitha	SERB, DST	23,40,000.00	2012-2015
29.	Patterns of care and survival of studies in Head & Neck Cancer ,Cancer Cervix, Cancer breast(all India study)- National Cancer registry Project	Dr. D.K. Vijayakumar Co- PI: Dr. Pavithran	ICMR	18,69,000.00	2008-2013
30.	Novel Target-Specific Multiplexed Nano-Phytomedicines for Cancer Therapy	Dr. Deepthy Menon , Co-PI: Ullas Mony	ICMR	35,87,930.00	2011-2013
31.	Electrodes based on MnO ₂ and polymer/carbon composites for high performance storage device	Dr. Avinash Balakrishnan	CSIR	15,32,000.00	2012-2015
32.	Targeted Nanoparticle photodynamic Therapy	Dr. Manzoor K.	Erasmus		2011-2013
33.	THERAGNOS TICS, Re-Generative	PI: Dr. Shantikumar V. Nair	DST	100081200	2010-15

	Medicine and Stem Cell Using Cell-Targeted Nano-material, Kochi - 682 041	Co-PI: Dr. Manzoor, Dr. Deepthy Menon, Dr. Jayakumar, Dr. Krishna Prasad Chennazhi,			
34.	Modulation of MicroRNA and Protein signatures in Hepatocellular Carcinoma by Chemopreventive Phytochemicals	Dr. Sujit Nair	DBT	3774000	2010-13
35.	Nano toxicology and Nano medicine-Phase II	Joint PIs: Dr. Shantikumar V. Nair, Dr. Manzoor	DBT	53906000	2011-14
36.	Fabrication of thin film electrodes based on 1-D NiO nanostructure for a fully operational capacitor unit	PI: Dr. Avinash Balakrishnan Co-PI: Dr. K.R.V. Subramanian, Dr. N. Sivakumar	KSCSTE	13,22,000	2013-16

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

National: Nil

International

S. No.	Name of Department/ School in Amrita	Primary Contact in Amrita - Name & Designation	Name(s) of Collaborating Institution(s)	Primary Contact (Collaborator) – Name & Designation	Description of Research Programme
1.	Nano sciences	Dr. Shantikumar V. Nair, Dean Research	University of Minnesota	Dr. Arif Somani	Development of Blood outgrowth

					Endothelial Cell and Nanofiber Scaffold Synergy in wound healing"
2.	Nano sciences	Dr. Shantikumar V. Nair, Dean Research	Tata Chemical Innovation Centre, Pune	Dr. Anand Gole	Nanotoxicity studies on silica nanoparticles used for micronutrient & pesticide delivery
3	Nano sciences	Dr. Shantikumar V. Nair, Dean Research	Erasmus MC, Rotterdam	Dr. Dominic Robinson	Targeted Nanoparticle Photodynamic Therapy

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

20. Research facility / centre with

- state recognition-**KSCSTE**
- national recognition -**DST, DBT, CISR, ICMR, MNRE**
- international recognition-**Indo-US Centre under Indo-US Science & Technology Forum of Govt. of India**

21. Special research laboratories sponsored by / created by industry or corporate bodies :

N/A

22. Publications:

Year	Type of Publication	Publication Details	Average citation index and impact factor of publications

2013		1	Sowmya Srinivasan, Krishna Prasad Chennazhi, Joel D. Bumgardner, Shantikumar V. Nair & R. Jayakumar, "Role of Nanostructured Biopolymers and Bioceramics in Dentin, Enamel and Periodontal Tissue Regeneration", Progress in Polymer Science, 2013, in press.	(IF-24.1)
		2	S. Maya, M. Sabitha, S. V. Nair & R. Jayakumar, "Phytomedicine Loaded Polymeric Nanomedicines: Potential Cancer Therapeutics", Advances in Polymer Science, 2013, in press.	(IF-3.8)
		3	S. Maya, Bruno Sarmento, Amrita Nair, N. Sanoj Rejnold, Shantikumar V. Nair & R. Jayakumar, "Smart Stimuli Sensitive Nanogels in Cancer Drug Delivery and Imaging: A Review", Current Pharmaceutical Design", 2013, in press.	(IF-3.8)
		4	Nishil Mohammed, N. Sanoj Rejinold, M. Sabitha, Raja Biswas, S. V. Nair & R. Jayakumar, "Fluconazole Loaded Chitin Nanogels as a Topical Ocular Drug Delivery Agent for Corneal Fungal Infections", Journal of Biomedical Nanotechnology, 2013, in press.	(IF-4.22)
		5	K. T. Shalumon, K. P. Chennazhi, S. V. Nair & R. Jayakumar, "Development of Small Diameter Fibrous Vascular Grafts with Outer Wall Multiscale Architecture to Improve Cell Penetration", Journal of Biomedical Nanotechnology, 2013, in press.	(IF-4.22)
		6	N. Sanoj Rejinold, Thejus Baby, S. V. Nair & R. Jayakumar, "Paclitaxel Loaded Fibrinogen Coated CdTe/ZnTe Core Shell Nanoparticles for Targeted Imaging and Drug Delivery to Breast Cancer Cells", Journal of Biomedical Nanotechnology, 2013, in press.	(IF-4.22)
		7	Sowmya Srinivasan, P. T. Sudheesh Kumar, Sreeja V. Nair, S. V. Nair , K. P. Chennazhi & R. Jayakumar, "Antibacterial and Bioactive α , β -Chitin Hydrogel/Nanobioactive Glass Ceramic/Nano Silver Composite Scaffolds for Periodontal Regeneration", Journal of Biomedical Nanotechnology, 2013, in press.	(IF-4.22)
		8	K. T. Shalumon, K. P. Chennazhi, S. V. Nair & R. Jayakumar, "High Thick Layer-by-Layer 3D Multiscale Fibrous Scaffolds for	(IF-4.22)

			Enhanced Cell Infiltration and it's Potential in Tissue Engineering", Journal of Biomedical Nanotechnology, 2013, in press.	
		9	K. C. Kavva, R. Jayakumar, S. V. Nair & K. P. Chennazhi, "Fabrication and Characterization of Chitosan/Gelatin/nSiO ₂ Composite Scaffold for Bone Tissue Engineering", International Journal of Biological Macromolecules, 2013, in press.	(IF-4.22)
		10	M. Sabitha, N. Sanoj Rejinold, Amrita Nair, Vinoth K Lakshmanan, S. V. Nair & R. Jayakumar, Development and Evaluation of 5-Fluorouracil Loaded Chitin Nanogels for Treatment of Skin Cancer, Carbohydrate Polymers, Vol. 91 (1), 2013, 48-57.	(IF-4.22)
		11	Annapoorna, P. T. Sudheesh Kumar, Lakshmi R. Lakshman, Vinoth-Kumar Lakshmanan, S. V. Nair & R. Jayakumar, "Biochemical Properties of Hemigraphis alternata Incorporated Chitosan Hydrogel Scaffold", Carbohydrate Polymers, Vol. 92 (2), 2013, 1470-1476.	(IF-3.62)
		12	B. S. Anisha, Deepthi Sankar, M. Annapoorna, K. P. Chennazhi, S. V. Nair & R. Jayakumar, "Chitosan-Hyaluronan/Nano Chondroitin Sulfate Ternary Composite Sponges for Medical Use", Carbohydrate Polymers, Vol. 92 (2), 2013, 1561-1565.	(IF-3.62)
		13	S. Maya, Lekshmi G. Kumar, Bruno Sarmento, N. Sanoj Rejinold, Deepthy Menon, S. V. Nair & R. Jayakumar, "Cetuximab Conjugated O-Carboxymethyl Chitosan Nanoparticles for Targeting EGFR Overexpressing Cancer Cells", Carbohydrate Polymers, Vol. 93 (2), 2013, 661-669.	(IF-3.62)
		14	K. T. Smitha, A. Anitha, T. Furuike, H. Tamura, S. V. Nair , R. Jayakumar, "In vitro Evaluation of Paclitaxel Loaded Amorphous Chitin Nanoparticles for Colon Cancer Drug Delivery", Colloids and Surfaces B: Biointerfaces, Vol. 104, 2013, 245-253.	(IF-3.45)
		15	P. T. Sudheesh Kumar, C. Ramya, R. Jayakumar, S. V. Nair , Vinoth-Kumar Lakshmanan, "Drug Delivery and Tissue Engineering Applications of Biocompatible Pectin-Chitin/Nano CaCO ₃ Composite Scaffolds" Colloids and Surfaces B: Biointerfaces, Vol. 106, 2013, 109-116.	(IF-3.45)
		16	P. T. Sudheesh Kumar, Mincy Raj, Praveen Govinth, S. V. Nair , K. P. Chennazhi & R. Jayakumar, "In vitro and In vivo Evaluation	(IF-4.0)

			of Micro-Porous Chitosan Hydrogel/Nano Fibrin Composite Bandage for Skin Tissue Regeneration”, Tissue Engineering-A, Vol. 19 (3-4), 2013, 380-392.	
		17	P. T. Sudheesh Kumar, Vinoth- Kumar Lakshmanan, Mincy Raj, Raja Biswas, H. Tamura, S. V. Nair & R. Jayakumar, “Evaluation of Wound Healing Potential of β -Chitin Hydrogel/Nano Zinc Oxide Composite Bandage”, Pharmaceutical Research, Vol. 30 (2), 2013, 523-537. (IF-4.1 & Cited by 1 Times)	
		18	B. Swarnalatha, S. L. Nair, K. T. Shalumon, L. C. Milbauer, R. Jayakumar, B. Paul-Prasanth, K. K. Menon, R P. Hebbel, A. Somani & S. V. Nair , “Poly (Lactic Acid)-Chitosan-Collagen Composite Nanofibers as Substrates for Blood Outgrowth Endothelial Cells”, International Journal of Biological Macromolecules, Vol. 58 (2), 2013, 220-224.	(IF-2.46)
		19	Anitha, Saji Uthaman, S. V. Nair , R. Jayakumar & Vinoth-Kumar Lakshmanan, “Enhanced Delivery System of Flutamide Loaded Chitosan-Dextran Sulphate Nanoparticles for Prostate Cancer”, Journal of Biomedical Nanotechnology, Vol. 9 (3), 2013, 335-347	(IF-4.22)
		20	K. T. Shalumon, S. Sowmya, D. Sathish, K. P. Chennazhi, S. V. Nair & R. Jayakumar, “Effect of Incorporation of Nanoscale Bioactive Glass and Hydroxyapatite in PCL/Chitosan Nanofibers for Bone and Periodontal Tissue Engineering”, Journal of Biomedical Nanotechnology, Vol. 9 (3), 2013, 430-440.	(IF-4.22)
		21	GS Anjusree, A. Sreekumaran Nair, Shantikumar V Nair and Sajini Vadukumpully. One-pot hydrothermal synthesis of TiO ₂ /graphene nanocomposites for enhanced visible photocatalysis and photovoltaics, RSC Advances, Accepted 9th May 2013, Cite as RSC Advances 2013, 3, 12933-12938	(IF-2.562)
		22	G.S. Anjusree, Arun Bhupathi, Avinash Balakrishnan, Sajini Vadukumpully, K. R. V. Subramanian, N. Sivakumar, Seeram Ramakrishna, Shantikumar V Nair and A. Sreekumaran Nair, Fiber, Rice and Leaf shaped TiO ₂ by tuning the chemistry between TiO ₂ and the polymer in	(IF-2.562)
		23		(IF-2.834)
				(IF-3.3)

		24	electrospinning. RSC Advances, 2013, DOI: 10.1039/C3RA42250J	(IF-1.74)
		25	Ragima Nadesh, Dhanya Narayanan, Sreerekha PR, Sajini Vadukumpully, Ullas Mony, Manzoor Koyakutty, Shantikumar V Nair and Deepthy Menon, Hemato-toxicological analysis of surface modified and unmodified chitosan nanoparticles. Journal of Biomedical Materials Research 2013, DOI: 10.1002/jbm.a.34591	(IF-9.76)
		26	McAlvin B, Reznor G, Shankarappa SA , Stefanescu C, Kohane DS. Local toxicity from local anesthetic polymeric microparticles. Anesthesia and Analgesia, Month and Year of Publication:, 2013, April, Volume No. 116(4), 794-803	(IF-13.02)
		27	Liqiang Wang, Shankarappa SA* , Tong R, Ciolino JB, Tsui JH, Chiang HH, Kohane DS, (*co- first author) Topical drug formulations for prolonged corneal anesthesia. Cornea Month and Year of Publication:, 2013, April, Volume No. 32(7), Page No. 1040-1045	(IF-9.73)
		28		(I.F-3.46)
		29	Mizrahi B, Shankarappa SA , Hickey J, Dolhman J, Timko BP, Whitehead KA, Lee J,-J, Langer R, Anderson DG, Kohane DS, Advanced Functional Materials, Month and Year of Publication: 2013, March, Volume No. 25;23(12), Page No. 1527-1533	5.5
		30	Shankarappa SA and Kohane DS Can nerve blockade be used to manage neuropathic pain? Pain management. 2013, March, Volume No. 3(2), Page No. 91-93	1.5
		31	Jung-Jae Lee, Jeong KJ, Hashimoto M, Kwon AH, Rwei A, Shankarappa SA , Tsui JH, and Kohane DS. Synthetic ligand-coated magnetic nanoparticles for microfluidic bacterial separation from blood. Nano letters, Month and Year of Publication: 2013, January, (In press)	2.56
		32	Shankarappa SA , Tsui JH, Kim K, Reznor G, Dolhman J, Langer R, Kohane DS. Prolonged nerve blockade delays the onset of neuropathic pain. Proceedings of the National Academy of Sciences, USA, Month and Year of Publication: 2012, October, Volume No. 109 (43), Page No. 17555-17560	2.8
			Shankarappa SA , Sagie I, Tsui JH, Chiang H, Stefanescu C, Zurakowski D, Kohane DS,	

		33	Duration and local toxicity of sciatic nerve blockade with co-injected site 1 sodium channel blockers and quaternary lidocaine derivatives, Regional Anesthesia and Pain Medicine, Month and Year of Publication: 2012, Sep, Volume No. 37(5), Page No. 483-489	2.56 3.47
		34	G Binitha, MS Soumya, AA Madhavan, P Praveen, A Balakrishnan, KRV Subramanian, Shantikumar Nair , Sreekumaran Nair, N. Sivakumar Electrospun alpha-Fe ₂ O ₃ Nanostructures for Supercapacitor Applications. Journal of Materials Chemistry A. June 2013 (Article in Press)	5.2 3.942
		35	P Praveen, U Jyothsna, Priya Nair, Soumya Ravi, A Balakrishnan, KRV Subramanian, Sreekumaran Nair, Shantikumar Nair, N. Sivakumar . Thin film rechargeable electrodes based on conductive blends of nanostructured olivine LiFePO ₄ and sucrose derived nanocarbons for lithium ion batteries. Journal of Nanoscience and Nanotechnology. 2013, Volume No.13, Page No. 5607	2.5
		36	Asha Anish Madhavan , Sujith Kalluri , Daya K Chacko , Arun T A , Sivakumar N , K.R.V. Subramanian , Sreekumaran Nair , Shantikumar V Nair and Avinash Balakrishnan, Electrical and optical properties of electrospun TiO ₂ -graphene composite nanofibers and its application as DSSC photo-anodes.RSC Advances, 2013 (Article in Press)	2.3 3.9
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9. Chitosan for Biomaterials I”, Advances in Polymer Science, Springer Publishers, Editors; R. Jayakumar, M. Prabakaran & R. A. A. Muzzarelli, Vol. 243, 2011, ISBN No.: 978-3-642-23113-1.
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11. “Biomedical Applications of Polymeric Nanofibers”, Advances in Polymer Science, Springer Publishers, Editors; R. Jayakumar & S. V. Nair, Vol. 246, 2012, ISBN 978-3-642-27147-2.
12. ” Nanoparticles as Drug Delivery Vehicles for the Therapy of Inflammatory Disorders” by Deepthy Menon, J Gopikrishna, Dhanya Narayanan, and Shantikumar V Nair IN Handbook of Immunological Properties of Engineered Nanomaterials edited by: Marina A Dobrovolskaia (SAIC-Frederick Inc., USA) edited by: Scott E McNeil (SAIC-Frederick Inc., USA) by World Scientific Publishers, 2013. ISBN: 978-981-4390-25-5 ISBN: 978-981-4397-44-5
13. “Proteins and Carbohydrates as Polymeric Nanodrug Delivery Systems: Formulation, Properties, and Toxicological Evaluation” IN Advances in Polymer Science, DOI:10.1007/12_2012_199 by Springer Berlin Heidelberg Series, 2013. ISSN 0065-3195
14. A. Sreekumaran Nair* and T. Pradeep. A book chapter on “Nanomaterials for Environmental Remediation” for a book on “A Text Book on Nanoscience and Nanotechnology” by Tata McGraw-Hill Publishing Company Limited (2012), New Delhi (Editor: Prof. T. Pradeep).
15. Sajini Vadukumpully, S. V. Nair and A. Sreekumaran Nair*. A book chapter on “Electrospun Nanofibers for Water Purification” 2013 (submitted to the publisher).

24. Details of patents and income generated

Sl No	Title of the Invention	Applicant	Inventors	Patent Application Number
1	The Art, Method, Manner, Process and System of Multifunctional Nanobiomaterial for molecular imaging and drug delivery	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Manzoor Koyakutty, Anusha Ashokan, Deepthy Menon, Shantikumar Nair	<u>2633/CHE/2009</u>
2	The Art, Method, Manner, Process and System of Chitosan hydrogel / Nano Zinc Oxide Membranes for Wound Dressing Applications	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	R. Jayakumar, K. Manzoor, Shantikumar V Nair, Vinod K Lakshmanan, P.T. Sudheesh Kumar, S. Abhilash	<u>1025/CHE/2010</u>
3	Preparation of fibrinogen nanoparticles by a	AVVP represented by its	R. Jayakumar, M. Muthunarayanan, N. Sanoj Rejinold, N. Deepa, K. P.	<u>2784/CHE/2010</u>

	simple two-step co-cervation method for drug delivery applications	Director, ACNS, Dr. Shantikumar V Nair	Chennazhi, S. V. Nair	
4	The Art, Manner and Process of a Combination Device of a Solar Cell with Electrical Energy storage capacity and method for production of the same	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Dr. Shantikumar V Nair, K R V Subramaniam, Mini P A	<u>3273/CHE/2010</u>
5	The Art, Method, Manner, Process and System of multifunctional Nanomedicine for molecular imaging and Scintillation Therapy	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Dr Manzoor Koyakutty, Dr. Shantikumar Nair and Dr. Deepthy Menon	<u>3655/CHE/2010</u>
6	The Art, Manner , Method and Process of Preparation of Chitosan sponge containing the herb coleus plectranthus as a wound dressing	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	R. L. Lakshmi, Shantikumar Nair, P. T. Sudheesh Kumar, R. Jayakumar	<u>3012/CHE/2010</u>
7	Art, Method, Manner, Process and System of Preparation of Fibrin Nanoconstructs for Tissue Engineering and Drug Delivery Applications	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Dr. Shantikumar V. Nair, Dr. Krishnaprasad Chennazhi, Dr. Deepthy Menon, Mr. Praveen G	<u>3451/CHE/2010</u>
8	The Art, Method, Manner, Process and System for the fabrication of electrospun nanofibrous Fibrin scaffold for Tissue Engineering Applications	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Dr. Shantikumar V. Nair, Dr. Krishnaprasad Chennazhi, Dr. Deepthy Menon, Ms. Sreerekha P R	<u>3413/CHE/2010</u>
9	The Art, Method, Manner, Process and System of Preparation of Beta	AVVP represented by its Director,	Dr. R. Jayakumar, Dr. K. P. Chennazhi, Dr. Shanti Kumar V Nair, N. Sanoj Rejinold	<u>356/CHE/2011</u>

	Chitin Nanogels for Various Biomedical Applications	ACNS, Dr. Shantikumar V Nair		
10	The Art, Method, Manner, Process and System of Preparation of Alpha Chitin Nanogels for Drug Delivery and Imaging Applications	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Dr. R. Jayakumar, Dr. K. P. Chennazhi, Dr. Shanti Kumar V Nair and N. Sanoj Rejinold	<u>357/CHE/2011</u>
11	The Art, Method, Manner, Process and System of Preparation of Propolis Nanoparticles for Anti-Cancerous and Antibacterial Applications	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Dr. R. Jayakumar, Dr. Vinoth-Kumar Lakshmanan, Dr. Shantikumar V Nair, P. T. Sudhesh Kumar, K. S. Snima and C. Ramya	<u>907/CHE/2011</u>
12	The Art, Method and Manner of Nanosurface modified metallic titanium implants for orthopedic or dental applications	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Deepthy Menon, Shantikumar V Nair, Manzoor K, Divyarani V V and Vinoth-Kumar Lakshmanan	<u>1644/CHE/2011</u>
13	The Art, Method Process and System of Preparation of Curcumin Loaded Chitin Nanogels for Skin Penetration	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Dr. R Jayakumar, M. Sabitha, Dr. Vinoth-Kumar Lakshmanan, Dr. Shantikumar V Nair, N Sanoj Rejinold, Amrita Nair	<u>2353/CHE/2011</u>
14	The Art, Method and Manner of Titanium-based Cardiovascular Stents with Nanostructured Surfaces	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Deepthy Menon, krishnaprasad Chennazhi, chandini C Mohan, Sreerekha P R, Shantikumar V Nair	<u>2355/CHE/2011</u>
15	The Method, Manner, Process and System of Preparation of Super capacitor electrodes using nanoscale activated carbon from graphite by ball	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Dr. Shantikumar V Nair, Dr. K R V Subramanian, Dr. Avinash Balakrishnan, Nandini Ranganathan, Mini P A	<u>3456/CHE/2011</u>

	milling			
16	The Art, Method, Manner, Process and System of Protein-sorafenib nanomedicine	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Dr. Manzoor Koyakutty, Archana Retnakumari, Dr.Shantikumar V Nair	<u>3455/CHE/2011</u>
17	“ The Art, Method, Manner, Process and System of Preparation of Targeted delivery of Tetracycline Loaded O-Carboxymethyl Chitosan Nanoparticles against Staphylococcus aureus”	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Dr.Raja Biswas, Dr.R.Jayakumar, Dr.Shantikumar V.Nair, S.Maya, S.Indulekha	<u>4109/CHE/2011</u>
18	The Art, Method, Manner, Process and System of nano-biomineral for multimodal contrast imaging and drug delivery	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Manzoor Koyakutty Anusha Ashokan Shantikumar Nair	<u>25/CHE/2012</u>
19	The Art, Method, Manner, Process and System of Preparation of Targeted delivery of Tetracycline Loaded O-Carboxymethyl Chitosan Nanoparticles against Staphylococcus aureus	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Dr.Raja Biswas, Dr.R.Jayakumar, Dr.Shantikumar V.Nair, S.Maya, S.Indulekha	<u>4109/CHE/2011</u>
20	The Art, Method, Manner, Process and System of multifunctional Nanomedicine for molecular imaging and Scintillation Therapy	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Dr.Manzoor Koyakutty,Dr.Shantikumar V Nair, Dr.Deepthy Menon, Dr.Adersh Asok	<u>26/CHE/2012</u>
21	The Art, Method, Manner, Process	AVVP represented	Manzoor Koyakutty, Ranjith Ramachandran,	<u>24/CHE/2012</u>

	And System Of Core-Shell Photo-Chemo Nanomedicine And Method Of Treating The Cancer With The Same	by its Director, ACNS, Dr. Shantikumar V Nair	Giridharan L M, Shantikumar Nair	
22	The Art, Method, Manner, Process And System Of Fibrous Biodegradable Polymeric Wafers For The Local Delivery Of Therapeutic Agents In Combinations	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Manzoor Koyakutty, Ranjith Ramachandran, Shantikumar Nair	<u>643/CHE/2012</u>
23	The Art, Method, Manner, Process And System Of Polymer-Polymer And Polymer-Protein Core-Shell Nanomedicine Loaded With Multiple Drug Molecules	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Manzoor Koyakutty, Parwathy Chandran, Archana P.R., Shantikumar Nair	<u>644/CHE/2012</u>
24	The Art, Method, Manner, Process And System Of Modular Design Pattern For Large Area Dye-Sensitized Solar Cell	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Avinash Balakrishnan, Shantikumar V. Nair, K.R.V. Subramanian, Sivakumar N, B.R. Shekar, Asha M.	<u>645/CHE/2012</u>
25	The Art, Method, And Manner Of Fabricating Highly Porous Thin Film Nio Electrode For Supercapacitors	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Dr. Avinash Balakrishnan, Dr. Shantikumar V. Nair, Dr. K.R.V. Subramanian, Dr. Sivakumar N, Ranjusha R, Anjali P	<u>1867/CHE/2012</u>
26	The Art, Method, And Manner, Process And System Of Fabricating High Aspect Ratio, Uniform Sized Mno2 Nano-Fibres	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Dr. Avinash Balakrishnan, Dr. Shantikumar V. Nair, Dr. K.R.V. Subramanian, Dr. Sivakumar N, Ranjusha R, Anjali P	<u>1866/CHE/2012</u>

27	The Art, Method, And Manner, Process And System Of Fabricating Uniform Sized Nio Nanofibres	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Dr. Avinash Balakrishnan, Dr. Shantikumar V. Nair, Dr. K.R.V. Subramanian, Dr. Sivakumar N, Ranjusha R, Anjali P	<u>1868/CHE/2012</u>
28	The Art, Method, And Manner, Of Fabricating Highly Porous Thin Film Mno2 Electrode For Supercapacitor Or Battery Applications	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Dr. Avinash Balakrishnan, Dr. Shantikumar V. Nair, Dr. K.R.V. Subramanian, Dr. Sivakumar N, Ranjusha R, Anjali P	<u>1869/CHE/2012</u>
29	The Art, Method, Manner, Process and System of protein-protein nanomedicine comprising more than one therapeutic molecule	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Manzoor Koyakutty, Archana Retnakumari, Shantikumar Nair	<u>2550/CHE/2012</u>
30	Targeted Nano-Photomedicines For Photodynamic Therapy Of Cancer	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Manzoor Koyakutty, Dominic Robinson, Dick Sterenborg, Slavka Kasakova, Shantikumar Nair	
31	The method, Manner, Process and System of Preparation of Super capacitor or Battery Anodes using novel activated Carbon Graphene or Activated Carbon-Graphite Composites by Electrophoretic Co-deposition	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	K R V Subramanian, Shantikumar V Nair, Monisha Lal, Avinash Balakrishnan, N Sivakumar	<u>3428/CHE/2012</u>
32	The Method, Manner, Process of Nanocomposites of Camphor derived carbons and metal oxide materials for high performance	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Dr. Avinash Balakrishnan, Dr. Shantikumar V. Nair, Dr. K.R.V. Subramanian, Dr. Sivakumar N, Sreekumaran Nair, Anjali P, Ranjusha R	<u>4449/CHE/2012</u>

	rechargeable electrodes for battery and supercapacitor applications			
33	The Art, Method, Manner, Process, System and application of Gelatin based solutions, gels, micro and nano-particles for augmented Radiofrequency Ablation	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Manzoor Koyakutty, Vijay Harish S, Shantikumar Nair	
34	The Art, Method, Manner, Process of Use of differential Cerebrospinal fluid reactivity to Prefoldin-5 alpha as a prognostic marker for B cell Acute Lymphoblastic-Central Nervous System leukemia relapses	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Krishna Kumar N. Menon, Tessy Xavier, Adhywth Haridasan	
35	The Art, Method, Manner, Process and System of Stannous doped micro and nano constructs for augmented Radiofrequency Ablation	AVVP represented by its Director, ACNS, Dr. Shantikumar V Nair	Manzoor Koyakutty, Vijay Harish S, Shantikumar Nair	

25. Areas of consultancy and income generated - NA

26. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Note: Provide tabular data, with faculty name, designation, name of outside institution, dates, theme of visit, and outcomes

Guest lecture(s) activities

	Name and address of the Institution and Name of the event	Lecture Topic	Date and Time	Participants Level (UG/PG students, Faculty,

				Industry Employees, etc.)
Dr. Shantikumar V. Nair	Over 25 guest lectures			
Dr.Krishnakumar Menon	Amrita School of Biotechnology	Proteomics	2010,2011	UG
Dr. C. Gopi Mohan	Jamia Millia Islamia, University (Central University), New Delhi.	Invited talk in International Interdisciplinary Science Conference	14-11-2011 to 17-11-2011	National & International audience presence
	Department of Biophysics, Mumbai University and Center of Excellence in Basic Sciences (CBS), in the Kalina campus, Mumbai	Invited talk in Symposium on 'Frontiers of Biophysics, Biotechnology and Bioinformatics'	13-1-2013 To 16-1-2013	-
	MACFAST, Thiruvalla, Kerala State, India	Invited talk in International Conference on Computational Biology and Drug Design	10-7-2013 To 12-7-2013	-
	Las Vegas, USA	Invited talk in Omics 2 nd International Conference on Medicinal Chemistry & Computer Aided Drug Designing	15-10-2013 To 17-10-2013	-
Dr.K.R.V. Subramanian	BEL Bangalore	DSSC discussion and screen printing of electrodes, Outcome is reciprocal visit of DGM, BEL to ACNS and discussions	Jan 2012	
Dr.Avinash Balakrishnan		Kratos Analytical, , X-ray photo-electron spectroscopy training, Got trained in X-ray	May 5th 2012	

		photo-electron spectroscopy		
	Nandha Engineering College	CSIR-Workshop, Lecture on Energy storage devices	Oct 17th 2013,	
Dr. Sahadev	MIT, Boston	Langer Laboratory	April, 2013	
Dr. Lakshmi Sumithra	Harvard University Grenoble. Dr Imre Berger Lab	Boston Children Hospital Visiting Post doc at European Molecular Biology Laboratory ,	April, 2013 8 th July 2011-1st March 2012	
Dr. Lalitha Biswas	Amrita School of Nursing	Molecular diagnostics	1-2 class/year	PG

27. Faculty serving in

National committees b) International committees c) Editorial Boards d) any other (please specify)

(a) Membership of Professional Bodies, Societies etc.

	Name of the Professional Body / Society	Membership Number
Dr. Shantikumar V. Nair	American Physical Society	
Dr. Mansoor	Review Board member of Screening Committee ON RNAi task force Department of biotechnology , Govt. Of India Review Board member of Screening Committee ON `Nano-biotechnology task force- Department of biotechnology , Govt. Of India Member of American Nanomedicine Society Member of European society of Nanomedicine	
Dr. Jayakumar	Life Member, The Society of Polymer Science (SPS), India Life Member, Society for Biomaterials & Artificial Organs (SBOAI), India Life Member, Society for Tissue Engineering and Regenerative Medicine (STERMI), India Life Member, Asian Polymer Association (APA), India Secretary, Indian Chitin and Chitosan Society (ICCS)	
Dr. C. Gopi Mohan	Indian Biophysical Society	

	Indian Society of chemists & Biologists	
Dr.Krishnaprasad	Tissue Engineering and Regenerative Medicine International Society Society for Biomaterials and Artificial Organs, India South Asian Society on Atherosclerosis and Thrombosis	
Dr.Sreekumaran Nair	American Chemical Society (Annual Member) Royal Society of Chemistry (UK) Materials Research Society of Singapore Asian Nanoscience & Nanotechnology Association and Academy of Nanoscience and Nanotechnology American Nano Society (invited member)	
Dr. V. N. Giridharan	Society of Biological sciences,(India) Bangalore Laboratory Scientist association of India (LASAI) Lucknow	
Dr.Vinoth Lakshmanan	Indian Association of Cancer Research	
Dr.Avinash Balakrishnan	Materials Research Society of India	
Dr.Manitha	Society for Tissue Engineering and Regenerative Medicine (India) Electron Microscope Society of India (EMSI)	

(b) Reviewer of Journals / Conference Publications

	Name of the Journal	National / International	Title of the Journal Reviewed
Dr. Shantikumar V. Nair	Tissue Engineering	International	
Dr. Mansoor	Small (Im. F actor- 8.3) Biomaterials ((Im. F actor- 7.44) Nanotechnology Nanomedicine: NNBM Nanomedicine: Future medicine J. of Materials Chemistry J Adv. Fun. Mater	International	
Dr. Jayakumar	Chemical Reviews (American Chemical Society) Biomacromolecules (American Chemical Society) Molecular Pharmaceutics	International	

	(American Chemical Society) ACS Applied Materials & Interfaces (American Chemical Society) Langmuir (American Chemical Society) Polymer International (Wiley Interscience) Journal of Polymer Science, Part- A. Polymer Chemistry (Wiley Interscience) Journal of Polymer Science, Part- B. Polymer Physics (Wiley Interscience) Journal of Applied Polymer Science (Wiley Interscience) Polymers for Advanced Technologies (Wiley Interscience) Pest Management Science (Wiley Interscience) Polymer Engineering and Science (Wiley Interscience) Journal of Membrane Science (Elsevier) Composites Science and Technology (Elsevier) European Polymer Journal (Elsevier) Acta Biomaterialia (Elsevier) Carbohydrate Polymers (Elsevier) Materials Science and Engineering C (Elsevier) Materials Science and Engineering B (Elsevier) Food Chemistry (Elsevier) Food and Chemical Toxicology (Elsevier) International Journal of Biological Macromolecules (Elsevier) E-Polymers (European Polymer Federation) Journal of Biomedical Nanotechnology Biomedical Materials African Journal of Pharmacy and Pharmacology (Academic Journals) Journal of Bioactive and Compatible Polymers (Sage Publications) Regenerative Medicine		

	Journal of Hazardous Materials (Elsevier) Journal of Drug Targeting (Taylor & Francis) eXPRESS Polymer Letters Recent Patents on Materials Science (Bentham Science Publishes) International Journal of Biomaterials (Taylor & Francis) Drug Delivery (Taylor & Francis) Phosphorus, Sulfur, and Silicon and the Related Elements (Taylor & Francis) Future Nanomedicine Journal of Experimental Nanoscience (Taylor & Francis) Bioremediation Journal (Taylor & Francis) Preparative Biochemistry & Biotechnology (Taylor & Francis) Journal of Nanoparticles Research (Springer) Process Biochemistry (Elsevier) Journal of Physiology and Pathophysiology (Academic Journals) Molecular Imaging and Biology (Springer) Journal of Biomedical Materials Research-Part-B-Applied Biomaterials (Wiley Interscience) Journal of Biomedical Materials Research-Part-A (Wiley Interscience) Advanced Biomaterials (Wiley Interscience) International Journal of Molecular Sciences International Journal of Nanomedicine Colloids and Surfaces B: Biointerfaces Recent Patents on Drug Delivery & Formulation Bioremediation Journal Molecular Biology Reports Journal of Macromolecular Science, Part-A: Pure and Applied Chemistry Current Drug Discovery		

	Technologies Biofabrication Biomedical Materials The European Journal of Wound & Burn Management Cellulose (Springer) Materials International Journal of Molecular Sciences Chemical Engineering Journal Chemical Communications Polymer Chemistry RSC proceedings-B Journal of Biomaterials Applications Expert Review of Medical Devices Molecular Imaging & Biology Pharmaceutical Research Materials Research bulletin Journal of Biomedical Nanotechnology		
Dr. Krishnakumar Menon	Reviewer of Nanomedicine	International	
Dr. K.R.V. Subramanian	Nanoscale RSC advances Journal of Materials Chemistry Journal of Physical Chemistry Langmuir Journal of Power sources Physical Chemistry Chemical Physics Energy and Environmental Science	International	
Dr. Krishnaprasad	Journal of Biomedical Materials Research Carbohydrate Polymers Journal of Biomedical nanotechnology Tissue Engineering	International	
Dr. Sreekumaran Nair	Chemical Communications ACS Applied Materials and Interfaces, Nanotechnology Energy & Environ Science RSC Advances Materials Chemistry and Physics International Journal of Sustainable Energy	International	

	Materials Research Bulletin Journal of Hazardous Materials Synthetic Metals Materials Letters Journal of Experimental Nanoscience		
Dr.V. N. Giridharan	Nutrition Genetics	International	
Dr. Raja Biswass	Journal of Nanoparticle research Journal of applied microbiology Journal of medical microbiology	International	
Dr.Vinoth Lakshmanan	Polymer International Journal of Molecularpharmaceutics Journal of Drug Delivery	International	
Dr. Bindhu Paul	Nanomedicine Zoological Science Developmental Dynamics Gene	International	
Dr. Avinash Balakrishnan	Romanian Scientific evaluation external evaluator		
Dr. Manitha	Tissue Engineering Biomaterials Journal of Controlled Release The Veterinary Journal	International	

(c) Editorship of Journals / Conference Proceedings

	Name of the Journal / Conference	National / International	ISBN Number
Dr. Shantikumar V. Nair	Tissue Engineering (Editorial Board)	International	
Dr. Mansoor	Guest editor; Journal – Nanomedicine: NBM	International	
Dr. Jayakumar	Editor-in-Chief, Journal of Chitin and Chitosan Science, American Scientific Publishers, USA Editor-in-Chief, Journal of Biopharmaceutics and Biotechnology, American Scientific Publishers, USA	International	
Dr. Krishnakumar Menon	Invited member of Associate Editors of Journal of Integrative Omics	International	ISSN 2182-0287

Dr. C. Gopi Mohan	Computational Chemistry (Scientific research publishing (SCIRP)-Open access), USA.	International	
Dr. K.R.V. Subramanian	Editorial Board of Frontiers (a Nature group Open Access platform)		
Dr. Vinoth Lakshmanan	Current drug delivery (Guest Editor)	International	ISBN No. 1567-2018
Dr. Avinash Balakrishnan	Romanian Scientific evaluation external evaluator Guest Editor to Journal of Nanosciences and nanotechnology	International	

	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/Y Y to DD/MM/YY)
Dr. Shantikumar V. Nair	Over 100 invited talks nationally& internationally			
Dr. Jayakumar	Anna University,	Trichy, India	International Seminar and Workshop on Medical and Pharmaceutical Nanotechnology: Latest Developments, Practical Considerations and Applications	25-26 th September-2008
	N.G.P. Arts and Science College,	Coimbatore, India.	National Conference on Advances in Biotechnology (Biotechnology-A Conservationist of Biosciences) (MARINA'08)	19-20 th December-2008
	Amrita	Cochin,	Second International	3-6 th January-

	Institute of Medical Sciences and Research Centre	India.	Conference on Frontiers in Nanoscience and Nanotechnology (nanoCochin-2009)	2009
	Amrita Institute of Medical Sciences and Research Centre	3-6 th January-2009, Cochin, India.	First International Conference on Tissue Engineering & Stem Cell Research Using Nanomaterials (NanoBio-2009)	17-19 th February-2009
	Nirmala College of Pharmacy	Muvattupuzha, Kerala, India	One day Seminar on “Nano Technology & Its Pharmaceutical Applications”	7 th August-2009
	(8 th -APCCS)	Taipei, Taiwan	11 th International Conference on Chitin and Chitosan (11 th ICCS) & The 8 th Asia-Pacific Chitin and Chitosan Symposium	6-9 th September-2009
	(ICONT-2009),	Lankawi Island, Malaysia	“Novel Natural Biopolymeric Nanomaterials in Medicine”, International Conference on Nanotechnology-Research and Commercialisation	14-17 th December-2009
		Wuhan, China	The 2 nd International Conference and Cross-Strait Chitin and Chitosan Symposium & The 7 th National Academic Conference on Chitin and Chitosan	4-9 th November-2010
Dr. Deepthy	AIMS,	KOCHI	Cochin Nano 2009,	Jan, 2009
		Jamia Hamdard, New Delhi	Indo-US Symposium on Cancer Nanotechnology,	
	AIMS,	KOCHI	NANOBIO 2009,	
	RGCB	TVM	Indo-US Symposium On Emerging Concepts In Cancer Biology	
	IITM		Recent Advances in	

			Polymeric Materials (MACRO 2009),	
	IIT Chennai		Asian Bioceramics Symposium,	
			Current Topics in Microbiology	
	SNM College	Kochi	Workshop in Applications of Nanotechnology (UGC sponsored), ,	
	University of Hyderabad		National Conference on The Opportunities & Challenges of Āyurveda,	
	Karnataka State Higher Education Council	Bangalore ,	One Day Seminar on Nanotech	
	AIMS,	KOCHI	Cochin Nano 2011	
		Kerala	Nanostech 2011: National Symposium on Nanoscience & Technology,	
	Institute of Chemical Technology,	Mumbai	Indo-US symposium on Nanomedicine:Prospects and Challenges,	
		Bangalore	4 th Bangalore Nano 2011	
		Boston, USA	Technical visit to Microfluidics Inc,	
	Union Christian College,	Ernakulam	National Seminar on" Advances in Material Science Macro to Nano Scales",	
	St. Aloysius College,	Alleppey	Emerging Nanoscience and its future in Biology,	
	Rubber Board,	Kottayam	Specialised training in Nanotechnology”	
	AIMS,	Kochi	NANOBIO 2012	
		Bangalore	Bangalore Nano 2012	
	IISc	Bangalore .	BIND12	
		Hyderabad	ICONSAT 2012	
		Porto,	EUCHIS 2013	

Dr. C. Gopi Mohan	Kalina Campus of the University.	Portugal Mumbai,	Symposium on Frontiers of Biophysics, Biotechnology & Bioinformatics along with the 37 th annual meeting of the Indian Biophysical society, is being organised jointly by Dept. of Biophysics, Mumbai University & Centre of excellence in Basic sciences (CBS)	13-16 Jan, 2013
	Jamia Millia Islamia University	New Delhi	International Interdisciplinary Science Conference (I-ISC, 2011) on Bioinformatics: An interface between computerscience & Biology.	14-17, 2011
	Thapar University	Patiala, Punjab	National Conference on emerging trends in Biopharmaceuticals: Relevance to human Health.	11-13, Nov 2010
	School of Biotechnology, NIT	Calicut	Biotechnology teaching excellence programme 2010 (BTEP 2010)	24-29 May, 2010
Dr. K.R.V. Subramanian	Amriteshwari Hall	Cochin	Inspirational lecture by Dr. Vijay Menon	29 April 2013
Dr. Sreekumaran Nair		Kolkata	Indo-Singapore program of co-operation joint workshop on “Advanced Materials & Energy”, Indian Association of Cultivation of Science	April 21-24, 2013

		japan	Electrospinning as a platform to fabricate diverse metal oxide nanostructures and their composites with CNTs/graphenes for dye-sensitized solar cells, SPD Labs	February 9, 2013
		IIT Madras	Electrospun metal oxides/polymers for photocatalysis and self-cleaning, Young researcher's session at the Indo-US conference on water and sustainability	January 7-11, 2013
		Bharat Electronics Limited, Bangalore	Commercialization aspects of dye-sensitized solar cells	January 4, 2013
		St. Aloysius College, Elthuruth, Thrissur.	Invited talk on "Dye-sensitized solar cells-A class of Nanostructured solar cells @ the National Seminar on Advanced Trends in Chemistry	30 November 2012
		Rio de Janeiro, Brazil	Fabrication of high surface area TiO ₂ nanostructures for dye-sensitized solar cells@ Indo-Brazil workshop on Applications of Nanoengineering in Renewable Energy	October 8-10, 2012
		IIT Madras	Invited talk on "Fabrication of rice-shaped TiO ₂ by electrospinning and	September 14-16, 2012

			its use in photocatalysis @ the First International conference on emerging technologies for clean water	
		Bishopmore college Mavelikkara	Invited talk on “electrospun metal oxides for solar energy harvesting and for window coatings” @ International conference on molecular spectroscopy of advanced materials” at Bishopmore college Mavelikkara	August 7-9, 2012
Dr. V. N. Giridharan		Trivandrum	World science day , Rajeev Gandhi institute of Biotechnology	FEB 28-March 1, 2013
		Trivandrum	Kerala govt Biotech mission	March 6- 8, 2013
Dr. Vinoth Lakshmanan	Bharathiar University	Tamilnadu	One day National Seminar on Cancer	10 Sept, 2012
	KPR Institute of Technology	Coimbatore	National Seminar on Biology	27-18 April, 2012
	CUSAT	Kochi	Emerging trends in Biotechnology	12-13 Dec, 2012

28. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Done through various external and in-house faculty development programs.

29. Student projects

- percentage of students who have done in-house projects including inter-departmental projects-100%
- percentage of students doing projects in collaboration with other universities / industry / institute

30. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows

- Students

Dr. Shantikumar V. Nair, Dean research received prestigious National Research Award from the Ministry of Science and Technology on February 2011.

Dr. Shanti Kumar V. Nair, Dean research addressed at ICSTSD '11 focused on use of nano technology in the service of society and as a driver for sustainable development

Dr. Shanti Kumar V. Nair, Dean research delivered talk on *Nanomedicine and Tissue Nano- Engineering* at Bangalore Nano on 11th January 2012.

Dr. Shanti Kumar V. Nair, Dean research delivered key note address on Australia-India Joint Symposium on Smart Nano Materials in Victoria invites Amrita participation.

Dr. Shanti Kumar V. Nair, Dean research joined Mr. Narayana Murthy (Infosys) and Mr. Kasturi Rangan (ex-ISRO) for a discussion on CNN-IBN program.

Dr. Shanti Kumar V. Nair, Dean research visited Donghua University to participate in Trilateral Conference of Materials Research Societies of India, Singapore and China.

Dr. Krishna Kumar Menon was invited as Ph.D. thesis examiner for Melbourne School of Graduate Research, The University of Melbourne, Australia (2012) on structural and functional characterization of LIM kinases.

Dr. Manitha B. Nair received Innovative Young Biotechnology Award 2012, from DBT, India on March 2013.

Dr. Manitha B. Nair received DST' Fast Track Project selection in 2012 and DBT IYBA Award on 2012

Dr. Sahadev A. Shankarappa received The Ramalingaswami Reentry Fellowship 2013, from DBT, India on April 2013

Dr. K.R.V. Subramanian had affiliated membership from RSC (Royal Society of Chemistry) on June 2013.

- **Doctoral / post doctoral fellows**

- **Students**

- Sreerekha P R, doctoral student received first prize in **Tentalks, PhD student symposium** in international conference BIOQUEST 2013, held at Vallikavu Amritapuri during 10-14th Aug 2013.
- Sukhithasri V, doctoral student, was appreciated for the **Best paper award** in international conference BIOQUEST 2013, held at Vallikavu Amritapuri during 10-14th Aug 2013.
- Deepa Narayanan, doctoral student received **Best poster presentation** in international conference BIOQUEST 2013, held at Vallikavu Amritapuri during 10-14th Aug 2013.
- Archana P. Ratnakumari, received **The National Weikfield Malhotra Prize** in International Bangalore Nano Conference organized in December, 2012.
- Sreerekha P.R. received third prize for her **poster presentation** in International Bangalore Nano Conference organized in December, 2012.
- Sanoj Rejinold doctoral student awarded "**Indo-Korea Internship Award**" from Dept of Science & Technology and Ministry of Korea, Republic of Korea under Joint "Indo Korean Research Internship Programme, 2013.

- Binulal Nelson Sathy, doctoral student awarded as **visiting scholar** under Indo-US Science & Technology Forum and went to Dept. of Bioengineering, Rice University, Houston, Texas, in October 2012-March 2013.
- Maya S. doctoral student awarded as **visiting scholar** under Indo-Portugal collaborative project and went to University of Porto Portugal on June 2012-August 2012.
- Sanoj Rejinold doctoral student received **Best oral presentation award** in Biomaterials conference held at Bangalore in 2012.
- Deepthi Sankar and Annapoorna Mohandas, doctoral students, received **Best poster award** in International Conference on Design of Biomaterials (BIND-12), 9-11th December-2012, Indian Institute of Science, Bangalore.
- Dental Review (“S. Sowmya, Jeol D. Bumgardener, K. P. Chennazhi, Shantikumar V. Nair & R. Jayakumar”) from Amrita Centre for Nanosciences & Molecular Medicine was published in high impact factor journal (Impact Factor 26.383)-‘**Progress in Polymer Science**

31. **Seminars/ Conferences/Workshops organized** and the source of funding (national / international) with details of outstanding participants, if any.

- 1) International Conference on Nanobio, February 2009
- 2) IEEE International Conference on Technology Enhanced Education (ICTEE 2012), Amrita Vishwa Vidyapeetham, January 3- 5, 2012
- 3) International Conference on Nanobio and Nanosolar, February 2012
- 4) National Conference on New and Renewable Energy, March 2012
- 5) National Workshop on Information Systems Security, January 2012
- 6) Indo-US Workshop on Biotechnology and Translational Medicine, AIMS, 10th Aug, 2013
- 7) Bioquest Conference, Amritapuri, 11th -14th Aug, 2013
- 8) Symposium on ‘Transforming the world-Convergence of Science and spirituality’ at AIMS on 8th September, 2013.

32. **Code of ethics** for research followed by the departments

Institutional Scientific Review Committee & Institutional Ethical Committee
Animal Scientific Review Committee & Animal Ethical Committee
Biosafety Committee
Clinical Research-ICMR Guidelines, ICH-GCP

33. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Tech- Nanotechnology	15	5	5	100%	
M.Tech- Nanoscience and Technology	24	7	13	100%	
M.Tech- Molecular Medicine	19	0	14	100%	

34. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Tech-Nanotechnology	20	70	10	-
M.Tech-Nanoscience and Technology	-	20	80	-
M.Tech- Molecular Medicine	7	43	50	-

35. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

For students with admission status active during the report period:

S. No.	School Name	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SLET qualified	# qualified in other exams
1	Amrita centre for Nanosciences and Molecular medicine	Nanotechnology		Mtech2nd yrs -13 Mtech1st yrs- 9 Total-21	Nil	Nil	Nil	

36. Student progression

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	-
PG to Ph.D.	7
Ph.D. to Post-Doctoral	2
Employed	90
- Campus selection - Other than campus recruitment	
Entrepreneurs	

37. Diversity of staff

Percentage of faculty who are graduates	
of the same university	11.5%

from other universities within the State	11.5%
from universities from other States	31.0%
from universities outside the country	46.0%

38. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

39. Present details of departmental infrastructural facilities with regard to

- a) Library -Central Library, e-books, Amritavidya & Digital Library Facility
- b) Internet facilities for staff and students – been provided for all staffs and students, permitted to use laptops and there is a Amritavidya platform available to the students for e-learning
- c) Total number of class rooms-5
- d) Class rooms with ICT facility-5
- e) Students' laboratories &
- f) Research laboratories - Nano imaging, Nanochemistry, MTS Lab, Charecterization Lab, Polymer Chemistry, Nano fiber processing, Tissue Engineering, Tissue Engineering 2, Nano Drug Delivery, Nano Toxicology, Nano Medicine, FACS Room, Nano Bio-Engineering, Confocal Microscopy room, Themis lab, Neuro Sciences lab, Neuro Sciences lab -2, Reproductive and developmental biology, Stem cell lab, Equipment room, Central facility (imaging), Cell culture room 1, Cell culture room 2, Solar - Charecterization 1, Solar - Charecterization 2, Solar - Wet Chemistry, Solar - Wet Chemistry, Solar – XPS Room, Solar – CVD Room, MRI Room

Sl . No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1	Ms.Manju C Abraham	MSc.Biotecnology	University of Calicut	Amrita Centre for Nanosciences and Molecular Medicine, Kochi	Dr.Manzoor. K,Professor, Amrita Centre for Nanosciences and Molecular Medicine	Nanoparticles mediated gene silencing in cancer stem cells

2	Ms.Serene Xavier	MSc.Biotechnology	Cochin University	Amrita Centre for Nanosciences and Molecular Medicine, Kochi	Dr.Lakshmi Sumithra Assistant Professor, Amrita Centre for Nanoscience and Molecular Medicine	Generation of a humanized monoclonal antibody conjugated nano-formulations for specific targeting of Epidermal Growth Factor Receptor (EGFR) variant III (EGFRv III) mutants in different cancer

40. List of doctoral, post-doctoral students and Research Associates
a) from the host institution/university, b) from other institutions/universities

Details of research scholars:

Year-2013

2012-IIInd Intake

Sl. No.	Name of the Research Scholar	Previous Highest UG/ PG Degree with Specialization	Name of the College/ University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	Maitrayee Chatterjee	MSc Genetics	Calcutta University	Amrita Centre for Nanosciences and Molecular Medicine	Dr.RajaBiswas, Assistant Professor, Amrita Centre for Nanosciences and Molecular Medicine	Identification and Characterisation of anti-microbial compounds and adhesions produced by Lactobacillus Fermentum

2.	Ragi ma Nad esh	MSc Bio med ical Gen etics	VIT Uni vers ity	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Shantikumar.V.Nai r,Professor,Amrita Centre for Nanosciences and Molecular Medicine	Application of nuclear transfer using iPSCs in regenerative medicine
3.	Vin od Paul	M.T ech in Nan ome dica l Scie nces	Am rita Vis hwa Vid yap eeth am Uni vers ity	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Bindhu Paul,Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	The effect of engineered metal oxide nanoparticles on primordial germ cell proliferation, differentiation and development in the gonads of medaka
4.	Geoj ith Geo rge	MSc .Bio tech nolo y	Ban galo re Uni vers ity	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Krishnaprasad, Associate Professor,Amrita Centre for Nanosciences and Molecular Medicine	Flap-Free injectable fibrin/alginate hydrogel for cartilage regeneration
5.	John Jose ph	M.T ech in Nan ome dica l Scie nces	Am rita Vis hwa Vid yap eeth am Uni vers ity	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Deepthy Menon,Associate Professor,Amrita Centre for Nanosciences and Molecular Medicine	Bioengineering of woven biodegradable blood vascular graft and braided cardiac stents using composite electrospun yarns of micro- nano fibers
	Mee	M.T	Bha	Amrita Centre	Dr.Sudhakar	Evaluation of a

6	na Bala kris hnan	ech in Mol ecul ar Biol ogy and Hu man Gen etics	rath iar Uni vers ity	for Nanosciences and Molecular Medicine	Muthyala, Assistant Professor, Amrita Centre for Nanosciences and Molecular Medicine	Bio Artificial pancreases for the reversal of diabetes in a chemically induced diabetic animal model
7	Anit ha .A	MSc .Bio scie nces	Ma ngal ore Uni vers ity	Amrita Centre for Nanosciences and Molecular Medicine	Dr. Manitha Nair, Assistant Professor, Amrita Centre for Nanosciences and Molecular Medicine	Cell based tissue engineering using multiscale fibres/bioactive ceramics for the regeneration of medium size bone defects
8	Dr. Vija y Hari sh	MB BS, DN B	Am rita Vis hwa Vid yap eeth am Uni vers ity/ Nati onal Boa rd of Exa min atio n	Amrita Centre for Nanosciences and Molecular Medicine	Dr. Deepthy Menon, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	RF responsive drug eluting nano/micro constructs for combining chemoemboliza tion and Radiofrequency ablation of solid tumors
9	Jane Jose	MSc .Bio tech nolo	Ma hat ma Gan	Amrita Centre for Nanosciences and Molecular	Dr. Krishnakumar Menon, Associate Professor and Dr. Gopi Mohan, Associate	Target identification and validation of proteins

		gy	dhi Uni vers ity	Medicine	Professor, Amrita Centre for Nanosciences and Molecular Medicine	involved in Glia Maturation Factor Beta Pro- Inflammatory Pathway
10	Gau rav Bara nwal	MSc .Reg ener ativ e Med icin e	Ma nipa l Uni vers ity	Amrita Centre for Nanosciences and Molecular Medicine	Dr. Basan Gowda, Assistant Professor, Amrita Centre for Nanosciences and Molecular Medicine	A novel co- culture model of adipose tissue derived mesenchymal stem cells with endothelial cells for plastic and reconstructive surgery
20 12	Ind Inta ke					
1	Adh wyt h Hari dasa n	Msc .Bio tech nolo gy	Am rita Vis hwa Vid yap eeth am Uni vers ity,	Amrita Centre for Nanosciences and Molecular Medicine	Dr. Krishnakumar Menon, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	Identification and Characterisatio n of Molecules of Clinical and Pathological Significance in Acute Myeloid Leukemia (AML)
2	K.T. Smit ha	M.T ech in Nan ome dica l Scie nces	Am rita Vis hwa Vid yap eeth am Uni vers ity	Amrita Centre for Nanosciences and Molecular Medicine	Dr. Raja Biswas, Assistant Professor, Amrita Centre for Nanosciences and Molecular Medicine	Antimicrobial agent encapsulated polymeric Nan particles for the treatment of microbial infections.
20 11	2nd Inta					

–	ke					
1	Ranjusha R	Msc Physics	Univeristy of Calicut	Amrita Centre for Nanosciences	Dr.Avinash Balakrishnan, Assistant Professor, Amrita Centre for Nanosciences and Molecular Medicine	Naofabrication of maganese dioxide based composite electrodes with unique morphologies for super capacitor applications
2	Anjali Paravanoor	MSc .Nanoscience and Technology	Bharathiar University	Amrita Centre for Nanosciences	Dr.Avinash Balakrishnan, Assistant Professor, Amrita Centre for Nanosciences and Molecular Medicine	Fabrication of nickel oxide/carbon based composite nanofiberes for supercapacitor applications
3	Asha Mol	MSc Chemistry (Polymer Science)	Mahatma Gandhi University	Amrita Centre for Nanosciences	Dr.Avinash Balakrishnan, Assistant Professor, Amrita Centre for Nanosciences and Molecular Medicine	TiO2 nanostructures and their composites with graphene for DSSC application
4	Sonita S	M.Tech in Nanomedical Sciences	Amrita Vishwa Vidyapeetham University	Amrita Centre for Nanosciences	Dr.K.R.V.Subramanian, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	Novel Composites of carbon-conducting polymer and their use as cathodes for lithium-sulfur batteries
5	Deepti Sanakar	M.Tech in Nanomedical Scie	Amrita Vishwa Vidyapeetham University	Amrita Centre for Nanosciences and Molecular Medicine	Dr.R.Jayakumar, Professor, Amrita Centre for Nanosciences and Molecular Medicine	Surface Plasma treated nanostructured 3D marine scaffolds as skin substitutes

		nces				
6	Narendra nath .V	MSc .Bio tech nolo gy	Amrita Vishwa Vidyapeetham University	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Ashok Pillai,Associa te Professor, Department of Neurosurgery	A Genotypic- Phenotypic correlation study of Von Hippel Lindav (VHL) Syndrome among indian population
7	Suk hith asri. V	MSc .Me dica l Mic robi olog y	Amrita Vishwa Vidyapeetham University	Amrita Vishwa Vidyapeetha m University	Dr.Raja Biswas, Assistant Professor,Am rita Centre for Nanosciences and Molecular Medicine	Role of Mycobacterial peptidoglycan modifications in host innate immune evasion
8	Saji d Faza l	M.T ech in Nan ome dica l Scie nces	Amrita Vishwa Vidyapeetham University	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Deepthy Menon,Assoc iate Professor,Am rita Centre for Nanosciences and Molecular Medicine	Multimodel iron oxide/gold nanoprobes for radiothermal therapy and magnetic imaging of cancer
9	Anis ha.B .S	M.T ech in Nan ome dica l Scie nces	Amrita Vishwa Vidyapeetham University	Amrita Centre for Nanosciences and Molecular Medicine	Dr.R.Jayakum ar,Professor,A mrita Centre for Nanosciences and Molecular Medicine	Development of Natural Biopolymeric HydrogelBanda ge with Nano ZnO/Nanosusp ensions of Herb Hemigraphis Ulternata"
10	Dha nya	MV Sc	Indian Veterniary	Amrita Centre for	Dr.Krishnaku mar Menon,	Biochemical mechanisms in

	Joseph	(Animal Biochemistry)	Research Institute (Deemed University)		Nanosciences and Molecular Medicine	Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	the pathogenesis of autoimmune disease multiple sclerosis
11	Fabi a	Msc .Biotechnology	Cochin University		Amrita Centre for Nanosciences and Molecular Medicine	Dr.Krishnakumar Menon, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	Molecular analysis and targeting of encephalitogenic cells in experimental autoimmune encephalomyelitis
12	Annapoorna	MSc .Biotechnology	Amrita Vishwa Vidyapeetham University		Amrita Centre for Nanosciences and Molecular Medicine	Dr.R.Jayakumar, Professor, Amrita Centre for Nanosciences and Molecular Medicine	
2011-15 Intake							
	Nishan	MSc. Biotechnology	Amrita Vishwa Vidyapeetham University	Amrita Centre for Nanosciences and Molecular Medicine		Dr.Raja Biswas, Assistant Professor, Amrita Centre for Nanosciences and Molecular Medicine	Construction of multivalent protein vaccine against staphylococcus aureus
	Soumya	Amrita	Amrita	Amrita Centre for Nanosciences and		Dr.R.Jayakumar, Professor, A	Development of hydrogel

	Srinivasan	Vishwa Vidyapeetham University	Vishwa Vidyapeetham University	Molecular Medicine	Amrita Centre for Nanosciences and Molecular Medicine	based biodegradable scaffolds with bioactive nanoparticles for periodontal bone regeneration.
3	Maya S	M.tech in Nano medical Sciences	Amrita Vishwa Vidyapeetham University	Amrita Centre for Nanosciences and Molecular Medicine	Dr.R.Jayakumar, Professor, Amrita Centre for Nanosciences and Molecular Medicine	Novel targeted biopolymer based therapeutic nanomedicine for lung cancer
4	B Swarnalatha	M.tech in Nano medical Sciences	Amrita Vishwa Vidyapeetham University	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Shantikumar.V.Nair, Professor, Amrita Centre for Nanosciences and Molecular Medicine	Molecularly reprogrammed cell-based therapy for accelerated wound healing using biocompatible scaffolds
5	Giridharan LM	M.tech in Nano medical Sciences	Amrita Vishwa Vidyapeetham University	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Manzoor.K, Professor, Amrita Centre for Nanosciences and Molecular Medicine	Molecular modeling assisted development of cancer nanomedicine
6	Sathesh Kumar MK	MSc. Biotechnology	Cochin University	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Krishnakumar Menon, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	Identification & characterization of molecules involved in the regulation of experimental autoimmune encephalomyelitis (EAE), an animal model

						of the neurodegenerative disease multiple sclerosis (MS).
7	Sajesh KM	M.Tech in Nanomedical Sciences	Amrita Vishwa Vidyapeetham University	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Krishnaprasad, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	Bone tissue engineering using perfusion bioreactor
8	Gopikrishna J	M.Tech in Nanomedical Sciences	Amrita Vishwa Vidyapeetham University	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Deepthy Menon, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	
9	Sniha	MSc. Biotechnology	Amrita Vishwa Vidyapeetham University	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Vinoth Lakshmanan, Assistant Professor, Amrita Centre for Nanosciences and Molecular Medicine	Metformin Encapsulated Biodegradable Chitosan Nanoparticles Strategy for Pancreatic Cancer Therapy
2010						
1	Dhanya Narayanan	MSc Biotechnology	Bangalore University	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Deepthy Menon, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	Targeted immunotherapy for rheumatoid arthritis using anti-inflammatory nanomedicine.
2	May	MSc	Mah	Amrita Centre	Dr.Krishnakumar	Development

	a S Nair	Boto ny	atma Gand hi Univ ersity	for Nanosciences and Molecular Medicine	Menon, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	of an engineered 3 - Dimensional bone - marrow niche for drug testing application.
3	Ranj ith R	MSc. Biote chnol ogy	Mah atma Gand hi Univ ersity	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Manzoor.K, Profess or, Amrita Centre for Nanosciences and Molecular Medicine	Nanomedicin e delivery system targeted to survival and resistance mechanisms of glioma cancer stem cells.
20 09						
1	San oj Reji nold N	MSc. Chem istry (Mate rial Scien ces)	Kan nur Univ erist y	Amrita Centre for Nanosciences and Molecular Medicine	Dr.R.Jayakumar, Profe ssor, Amrita Centre for Nanosciences and Molecular Medicine	A Novel bio degradable thermo responsive nano vehicle for cancer therapy
2	Sree rekh a P.R	MSc. Appli ed Scien ces (Med ical Bioch emist ry)	Mah atma Gand hi Univ ersit y	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Krishnaprasad, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	Myocardial regeneration using fibrin based electospun multiscale biodegradable polymeric composite scaffold
3	Dee pa Nara yana n	MSc. Biote chnol ogy	Bhar athia r Univ ersit y	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Krishnaprasad, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	In vitro and In vivo studies of nano formulation of PTH (1-34) conjugated nanoparticles and nanofibrous

						scaffolds using biodegradable polymers for the treatment of osteoporosis
4	Arc hana P.R	M.tec h in Nano medi cal Scien ces	Amr ita Vish wa Vidy apee tham Univ ersit y	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Manzoor.K,Profess or,Amrita Centre for Nanosciences and Molecular Medicine	Multifunction al protein - si RNA nanomedicine constructs for gene-silencing to overcome cancer drug resistance
5	Par wath y Cha ndra n	MSc. Biote chnol ogy	Bhar athia r Univ ersit y	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Manzoor.K,Profess or,Amrita Centre for Nanosciences and Molecular Medicine	Development of nanotoxicolog ical analysis of polymer-protein and protein - protein nanomedicine s targeted to multiple signaling in cancer stem cells
6	Anu sha Ash okan	M.tec h in Nano medi cal Scien ces	Amr ita Vish wa Vidy apee tham Univ ersit y	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Manzoor.K,Profess or,Amrita Centre for Nanosciences and Molecular Medicine	Development and Nanotoxicolo gical analysis of hydroxyapatit e based multifunction al nanomedicine s for molecular imaging and Therapeutics.
	Anit	M.tec	Amr	Amrita Centre	Dr.R.Jayakumar,Profe	Novel

7	ha .A	h in Nano medical Sciences	ita Vish wa Vidyapeetham University	for Nanosciences and Molecular Medicine	ssor, Amrita Centre for Nanosciences and Molecular Medicine	carboxymethyl and thiolated chitosan based nanoparticles for bone and cancer drug delivery applications
8	Sreeja Narayanan	M.tech in Nano medical Sciences	Amrita Vish wa Vidyapeetham University	Amrita Centre for Nanosciences and Molecular Medicine	Dr. Deepthy Menon, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	Target-specific multiplexed nanomedicines for cancer therapy.
9	Girish C. M	M.tech in Nano medical Sciences	Amrita Vish wa Vidyapeetham University	Amrita Centre for Nanosciences and Molecular Medicine	Dr. Manzoor. K, Professor, Amrita Centre for Nanosciences and Molecular Medicine	Single molecular recognition studies using atomic force microscope (AFM)
10	Tessy Xavier	MSc Medical Microbiology	Calicut University	Amrita Centre for Nanosciences and Molecular Medicine	Dr. Krishnakumar Menon, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	Identification of Novel Biomarkers in central nervous system Leukemia
11	Sree priya	MSc Medical Microbiology	Mahatma Gandhi University	Amrita Centre for Nanosciences and Molecular Medicine	Dr. Krishnakumar Menon, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	Significance of cerebrospinal fluid reactivity to myelin axolemmal complexes in neurodegenerative diseases

2008						
1	Aswathi J	MSc. Biotechnology	Bharathiar University	Amrita Centre for Nanosciences and Molecular Medicine	Dr. Deepthy Menon, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	Zinc Sulphide based multiplex nanobioprobes for ex vivo imaging of cancer tissue
2	Kavya. K. C	MSc. Biotechnology	Amrita Vishwa Vidyapeetham University	Amrita Centre for Nanosciences and Molecular Medicine	Dr. Krishnaprasad, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	Fabrication of microporous 3D composite scaffolds containing bioactive nanomaterials for bone tissue engineering
3	Nitya Ganesh	MSc. Biotechnology	Amrita Vishwa Vidyapeetham University	Amrita Centre for Nanosciences and Molecular Medicine	Dr. Krishnaprasad, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	Development of multifunctional electrospun nano-composite scaffolds with poly(caprolactone) for bone tissue engineering applications
4	Soumya . S	MSc. Biotechnology	Amrita Vishwa Vidyapeetham University	Amrita Centre for Nanosciences and Molecular Medicine	Dr. Krishnaprasad, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	Generation of a Micro-Porous Nano-Fibrous Scaffold on Titanium Surfaces for Orthopedic applications
5	Chandini C Mohan	MSc. Biotechnology	Cochin University	Amrita Centre for Nanosciences and Molecular Medicine	Dr. Deepthy Menon, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	Nano structuring of Titanium for enhanced endothelialisation for cardiovascular stent

						applications
6	Praveen. G	MSc. Biotechnology	Bharathiar University	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Krishnaprasad, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	Potentials of functionalized fibrin nanoparticles for promoting prevascularization & angiogenesis in tissue engineering constructs.
7	Sudheesh Kumar P.T	Msc. Chemistry	Kannur University	Amrita Centre for Nanosciences and Molecular Medicine	Dr.R.Jayakumar, Professor, Amrita Centre for Nanosciences and Molecular Medicine	Dr.R.Jayakumar, Professor, Amrita Centre for Nanosciences and Molecular Medicine
8	Mini P. A	Msc. Chemistry	Kannur University	Amrita Centre for Nanosciences	Dr.K.R.V.Subramanian, Associate Professor, Amrita Centre for Nanosciences and Molecular Medicine	Integration of nanomaterials for photovoltaics energy generation and storage
07						
1	Binulal Nelson Sathy	MSc. Biotechnology	Manonmaniam Sundaranar University	Amrita Centre for Nanosciences	Dr.Shantikumar.V.Nair, Professor, Amrita Centre for Nanosciences and Molecular Medicine	Electro spun Nano- fibrous matrix with human bone marrow derived mesenchymal stem cells for bone tissue engineering.
2	Abhilash S	Msc. Microbiology	Bharathidasan Univ	Amrita Centre for Nanosciences and Molecular	Dr.Manzoor.K, Professor, Amrita Centre for Nanosciences and Molecular Medicine	Nano bio interactions of metal oxide (Zn) &

			ersity	Medicine		carbon (Graphene) Nan systems.
3	Anitha. V.C	Msc. Applied Chemistry	Calicut University	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Shantikumar.V.Nair, Professor, Amrita Centre for Nanosciences and Molecular Medicine	Titanium Nanotubes :Electrochemical Tuning of Dimensions and Morphology for Solar Cell Applications
4	Mr. Shalmon	Polymer Chemistry	Kerala University	Amrita Centre for Nanosciences and Molecular Medicine	Dr.R Jayakumar Professor, Amrita Centre for Nanosciences and Molecular Medicine	Electrospun multiscale fibrous scaffolds for tissue engineering
5	Ms. Divya Rani	Biotechnology	MG University	Amrita Centre for Nanosciences and Molecular Medicine	Dr.Shantikumar.V.Nair, Professor, Amrita Centre for Nanosciences and Molecular Medicine	In Vitro cellular response and In Vivo osteointegration studies on nanostructured metallic titanium implants
6	Ms. Sabitha M	Dr.H S Gour Vishwa Vidyalayam	Pharmaceuticals	Amrita Centre for Nanosciences and Molecular Medicine	Dr.R Jayakumar Professor, Amrita Centre for Nanosciences and Molecular Medicine	Chitin nanogels as an effective nanocancer for the treatment of Melanoma via transdermal route

List of Research Scientists, Research Associates and Lecturers

Sl. No.	Name of the Dept./Centre	Name of the Teacher	Designation
1	Amrita Centre for Nanosciences and Molecular Medicine	Dr. Gopi Chellan	Research Scientist
2	Amrita Centre for Nanosciences and Molecular Medicine	Dr. Sajini Vadukumpully	Research Scientist
3	Amrita Centre for Nanosciences and	Dr. Parvathi Varma	Research Scientist

	Molecular Medicine		
4	Amrita Centre for Nanosciences and Molecular Medicine	Dr. G. Siddaramana Gowda	Lecturer
5	Amrita Centre for Nanosciences and Molecular Medicine	Sajin P. Ravi	Lecturer
6	Amrita Centre for Nanosciences and Molecular Medicine	Dr. Binulal Nelson Sathy	Research Associate

41. Number of post graduate students getting financial assistance from the university.

Total of 29 M. Tech students are fully supported by scholarships from Dept. Science & Technology and from the Ministry of New and Renewable Energy, the Govt. of India. And a total of 34 research fellowships from different govt. agencies like CSIR, ICMR, UGC etc

M-Tech Nanotechnology, Batch 2012-2014- DST Scholarship)

Sl. No.	Name of student	Scholarship Amount Rs.(per month)
1	Amigo Muralidaran	8,000/-
2	Anupriya KH	8,000/-
3	Deepak Krishna MS	8,000/-
4	Greeshma RK	8,000/-
5	Lakshmi V	8,000/-
6	Milan K Sadan	8,000/-
7	Narendra Pai	8,000/-
8	Ragesh P	8,000/-
9	Roshny S	8,000/-
10	Soorya Sasi	8,000/-

(M-Tech Nanoscience & Technology, Batch 2012-2014- MNRE Scholarship)

Sl. No.	Name of student	Scholarship Amount Rs.(per month)
1	Aleena Mary Cherian	5,000/-
2	Arun kumar R.	5,000/-
3	Dhanya Jaikumar	5,000/-
4	Greeshma Devassy	5,000/-
5	Greeshma MM	5,000/-
6	Harikrishnan Nair	5,000/-
7	Jeevitha	5,000/-
8	Jithin R.	5,000/-
9	Kiran K.	5,000/-
10	Nancy D	5,000/-
11	Madhuri Harsha	5,000/-
12	Prajuna Vijayan	5,000/-
13	Rishi S. Mathew	5,000/-
14	Santhoshima	5,000/-
15	Smrithi Padmakumar	5,000/-
16	Sujish Kurup	5,000/-
17	Sumi E Mathew	5,000/-
18	Surya A	5,000/-

19	Vishnu Das	5,000/-

42. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. Yes, from Board of Studies to Institutional Post graduate Programme (PGP) Committee meeting and Academic council ends up with the final decision.

43. Does the department obtain feedback from
a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes, in ACNS, AIMS
b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes, in ACNS, AIMS
c. alumni and employers on the programmes offered and how does the department utilize the feedback? Yes, in Amrita Viswavidyapeetham

44. List the distinguished alumni of the department (maximum 10)

Batch (2011-2013)

Gayathri Menon N -IIT, Mumbai

Vani R.IISc.,Bangaluru

Ashwin-IIT Chennai

Daya K Chacko, (Ontorio, Canada)

Maria Alphonsa B, N Sindhura Reddy, Elmy Elizabeth Xavier (United States of America)

Sivashanmugham, JRF, ACNS, AIMS

Arun T. A, Teaching Assistant, ACNS, AIMS

M Nivedhitha Sundaram, Teaching Assistant, ACNS, AIMS

Faiza Basheer, Project Assistant, ACNS, AIMS

Reshmi S Nair, Teaching Assistant, ACNS, AIMS

Pillai Rashmi Rajgopal, Teaching Assistant, ACNS, AIMS

Sulfeekker A. Teaching Assistant, ACNS, AIMS

Thashma P G, Project Assistant, ACNS, AIMS

45. Give details of **student enrichment programmes** (special lectures / workshops / seminar) involving external experts.

- Dr. Sathees C. Raghavan (Associate Professor, IISC Bangalore) “DNA Breaks to Repair: Insights into Oncogenesis and Cancer Therapy”, at ACNS, AIMS on April 03, 2013.
- Prof .Kaneko (president SPD Labs, Japan) on “Spray pyrolysis deposition and its applications in fabrication of dye-sensitized solar cells” at ACNS, AIMS on April 09, 2013.
- Dr. Vijay Menon, Inspirational lecture, Amriteshwari Hall, AIMS on 29 April 2013.
- Dr. Vijay Kumar-Assessment of margin of resection in Cancer Surgery, at ACNS, AIMS on June, 2013.
- Dr. Dilip Panikar-Glioblastoma diagnosis and treatment, - ACNS, AIMS on July, 2013.
- Dr. J. van Helvoirt, CEO of IME Technologies, The Netherlands, ‘Electrospinning and its possibilities’ at ACNS, AIMS on July 2013.

- Indo-US Workshop on Biotechnology and Translational Medicine, AIMS, 10th Aug, 2013.
- Bioquest Conference, Amritapuri during 11th -14th Aug, 2013.
- Symposium on 'Transforming the world-Convergence of Science and spirituality' at AIMS on 8th September, 2013.
- Amalabharatham Clean-up programme at AIMS on 11th September, 2013
- Dr. Ismail Siyad-Pancreatitis versus pancreatic CA, Crones Vs TB, Flicker test-hep.encephalitis, at ACNS, AIMS on August, 2013.
- Dr. Dinesh M, Challenges in Radiational Oncology, at ACNS, AIMS on September, 2013.
- Dr.Jinesh, NTU Singapore, "Atomic Layer Deposition: Towards "More than More" at ACNS, AIMS on June 2013.National Workshop on Information Systems Security, January 2012.
- IEEE International Conference on Technology Enhanced Education (ICTEE 2012), Amrita Vishwa Vidyapeetham, January 3- 5, 2012.
- International Conference on Nanobio and Nanosolar, February 2012
- Prof. Claude C.A. Bernard, (Immunology and Stem Cell Laboratories, Monash University), at ACNS, AIMS on February 2012.
- National Conference on New and Renewable Energy, March 2012
- Dr. Giridharan, Scientist F, Sr. Deputy Director, Head, National Center for Laboratory Animal Sciences, NIN, Hyderabad on Animal Research /Quality Control at ACNS, AIMS on 20th August 2012.
- Dr. Giridharan, Scientist F, Sr. Deputy Director, Head, National Center for Laboratory Animal Sciences, NIN, Hyderabad on "Obesity animal models- life style" at ACNS, AIMS 18th August, 2012.
- Prof. Ashok Venkitaram, the inaugural Jubilee Professor of the Indian Academy of Sciences of the year given a talk at ACNS, AIMS on August 13, 2012.
- Prof. Seeram Ramakrishna, Electrospinning and its applications, at ACNS, AIMS on Sept.17, 2012.

46. List the teaching methods adopted by the faculty for different programmes.
Lecturers, Tutorials, Practicals

47. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? Constant monitoring

48. Highlight the participation of students and faculty in extension activities.
Extension services/activities

S. No.	Details of Extension Activities (Provide a short but descriptive account of your contribution for each.)
(i)	Tsunami relief work
(ii)	Community development programmes such as values of National Integration, secularism, democracy, socialism, humanism, peace, scientific temper, flood or drought relief, small family norms etc.
(iii),	Tree plantation
(iv)	Health and hygiene awareness programmes
(v)	Environmental awareness programmes
(vi)	Social work
(vii)	Medical camps (eye camp, blood donation camp)

(viii)	Literacy programmes
(ix)	AIDS awareness programmes
(x)	Green and tidy programmes
(xi)	Awareness programmes for the public about our great national heritage and ancient cultural values
(xii)	Organising vocational and job oriented courses for the public
(xiii)	Participation in extension activities with our Ashram –Talk on meditation and science
(xiv)	Positions held/Leadership role played in organizations linked with Extension work such as NSS, NCC, YRC or any other similar activity
	• Symposium on ‘Transforming the world-Convergence of Science and spirituality’ at AIMS on 8th September, 2013. • Service to kids orphanages • Amalabharatham Clean-up programme at AIMS on 11th September, 2013

49. Give details of “beyond syllabus scholarly activities” of the department.

Nil

50. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. Yes, UGC & NAAC Grade A Accreditation

51. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The Centre has been the first in India to develop a strong thrust in the applications of nanotechnology in medicine. The Centre is a Thematic Unit of Excellence in Medical Bio-Nanotechnology under the Government of India and has published over 100 papers in the past 2 years in this area as well as applied for over 35 patents. The two areas in the biomedical arena where the Centre has contributed to new knowledge and developments are: Developments of new nanomedicines and nano contrast agents; discovery of new biomarkers of neurodegenerative diseases; development of tissue engineered implants for heart, bone and vascular tissue and development of new stent materials. In the area of energy the Centre has pioneered electrical storage cells of high energy capacity and high power density. Further the centre has integrated storage with solar panels to create a stand alone device.

52. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Integration of research in a clinical hospital setting
- Interdisciplinary faculty
- Faculty with strong experience abroad in post doctoral research
- Emphasis on innovative research and publication in high impact international journals
- Value oriented education with emphasis on service to society

Weaknesses:

- a) Funding is largely from private sources with government providing mainly project support

Opportunities:

- a) Collaborations with a range of foreign universities
- b) Translations of research to products

Challenges:

- a) Weakness of the industrial sector in India in high technology areas

53. Future plans of the department.

- a. Translation of research outcomes to societally useful products both to the clinics and to Indian villages
- b. Further developmental of international collaborations

**Amrita Education
Research
Laboratory –
Amritapuri**

Evaluative Report of the Department

Name of the Department : [Amrita E-Learning Research Lab](#)

Year of establishment : [2008](#)

Is the Department part of a School/Faculty of the university? If so, specify.
[NO](#)

Research thrust areas as recognized by major funding agencies
[Amrita Virtual Interactive E-learning World \(A-VIEW Classroom\)](#)

S. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project*
1.	A-VIEW	Prof. Kamal Bijlani	MHRD		Since 2009 till date

Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

[ConnectONE funded by DST](#)

Research facility / centre with
state recognition – [A-VIEW Research Lab, Amrita University](#)
national recognition – [A-VIEW Research Lab, Amrita University](#)
international recognition

Publications:

Number of papers published in peer reviewed journals (national / international) - [24](#)

Monographs

Chapters in Books

Edited Books

Books with ISBN with details of publishers

Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

Citation Index – range / average

SNIP

SJR

Impact Factor – range / average

h-index

Also, fill out information in the table below.

Year	Type of Publication	Publication Details	Average citation index and impact factor of publications
2012		Title of the Paper: “Attention Analysis in E-Learning Classroom using a Simple Web Camera” Authors: Athi Narayanan S., Prasanth M, Mohan P, M.R. Kaimal, Kamal Bijlani Name of the Conference: eINDIA 2012 Title of the Paper: Mobile Software Platform for Rural Health Enhancement Authors: Maneesha V Ramesh, Sruthy Anand, Rekha P Name of the Conference: International Conference on Advances in Mobile Network, Communication and Its Applications Name of the Organizer: IEEE 2012 Title of the Paper: Learning from educational computer games: Differences across gender and medium of instruction in school. Authors: Chatterjee, S., Mohanty, A. and Bhattacharya, B. Name of the Conference: International Conference on Technology Enhanced Education Name of the Organizer: IEEE 2012. Title of the Paper: Buddhi Edge Authors: Ramkrishna, Dilip Krishnaswami, Asif Qamer Name of the Conference: T4E Conference Conference Venue: IIIT Hyderabad, 2012	
2011		Title of the Paper: Talk to a Teacher-Ecosystem for Synchronous Online Interaction with a Large set of Students Authors: Kamal Bijlani, Ramesh Guntha, Chitra S.Pai, and Salil George Name of the Conference: IC4E 2010	

Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions**

Participation of Amrita Faculty in Faculty Development Programmes conducted **by Other Institutions**
NIL

Student projects

Percentage of students who have done in-house projects including inter-departmental projects – **48%**

The Computer World Honors Award, Washington DC, USA awarded Amrita E-Learning Research Lab as The Computer World Honors Laureate 2012 for developing A-VIEW under the Training & Education category.

A-VIEW also received the Educational Excellence Award in the field of educational technology at the Indo-Global Educational summit held at Hyderabad in Sept 2012.

Ask A Question through A-VIEW has received the award "Best Government Sector Initiative in Education" at World Education Summit 2012, New Delhi.

Seminars/ Conferences/ Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S. No	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants		Source of Funding	Seminar / Workshop Outcome
1.	Hands-on - Central University of Karnataka	9th - 10th Apr 2013	Outside State	56		Certificates are issued to successful participant.
2.	Avinashilingam University for Women Coimbatore	20th Mar 2013	Outside State	38		Certificates are issued to successful participant.
3.	Hands-on- NIT, Trichy	1st - 2nd Feb 2013	Outside State	52		Certificates are issued to successful participant.
4.	Hands-on- FISAT, Angamaly, Kerala	16th Nov 2012	Within State	47		Certificates are issued to successful participant.
5.	Hands-On - GTU, Gujarat	7th Dec 2012 - 9th Dec 2012	Outside State	262		Certificates are issued to successful participant.
6.	Hands-On- Amal Jyothi College of Engineering	14 th Dec 2012	Within State	100		Certificates are issued to successful participant.

Diversity of staff

Percentage of faculty who are graduates

of the same university	23%
from other universities within the State	49%
from universities from other States	28%
from universities outside the country	1 %

List of doctoral, post-doctoral students and Research Associates

a) From the host institution/university

b) From other institutions/universities

S. No	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/ University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	Athi Narayanan S	ME in Embedded System Technologies	Anna University, Coimbatore	Amrita University	Dr. Ramachandra Kaimal, Chairman - CSE,IT,CSA, Amrita University	Computer Vision Algorithms of E-Learning Applications.
2.	Sunil Kumar K.	MCA	Visvesvaraya Technological University	Amrita University	Dr. K S Sreelatha, Assistant Professor, Dept. of Physics, Govt Polytechnic College, Nattakom, Kottayam	Infant babies emotion detection through face expression.
3.	Sruthy S Anand	M. Tech in Wireless Networks and Applications	Amrita University	Amrita University	Dr. Shiffon Chatterjee, Assistant Professor in E-Learning Technologies, Amrita E-Learning Research Lab, Amrita University, Kollam.	Technology and methods to support innovative pedagogical approach

Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths –

- Nationally Recognized for providing high quality education technology at a low cost
- Participation in Strong national distance learning programs (Online gurukul, Ask a Question, talk to a teacher etc.)
- Several projects with national significance (Schools, Colleges, Startups etc., across the nation) are being delivered by AERL associating with various departments of Government of India like MHRD, DST, NIC, NSTEDB and with other educational institutions like IITs..
- Strong multimedia content development team and Subject Matter Experts (SME) team which can develop engaging content on any topic.
- Opportunities for higher studies in the field of elearning.

Weaknesses

- Geographically distant from a large urban area resulting in lower attractiveness to external professionals
- Insufficient alternative sources of revenue other than Govt. Funding.
- Lack of process standardization certifications like ISO, CMMI etc

Opportunities

- Increased internet connectivity across the country even in remote areas has resulted in people searching for alternative learning methods, which is a huge opportunity for elearning solutions.
- Government of India is taking big steps towards promoting elearning on which AERL can capitalize based on ongoing projects.
- Game based learning is catching up big time globally and AERL has already advanced much in this path.
- Dearth for skilled and qualified teachers to satisfy exponentially rising demand for education technology across the nation which A-VIEW can leverage to its benefit.
- Tablet PCs being provided by the government to students at a subsidized price. This can increase the need of solutions like A-VIEW to get connected to experts / experienced teachers.

Challenges

- Resistance from other universities / commercial players as software / services are delivered free of cost by AERL.
- Inconsistent internet connectivity at least in some part of the country.
- Insufficient infrastructure in terms of bandwidth and equipments in at least some of the colleges and universities
- Getting the teaching fraternity to adapt to e-learning, especially from the non-engineering colleges in the rural and semi urban areas.
- Educating teachers and learners to consider blended learning approach as a suitable alternative for traditional face to face learning.

AMMACHI Labs - Amritapuri

Evaluative Report of the Department

1. Name of the Department : AMMACHI Labs
2. Year of establishment: 01 September 2009
3. Research thrust areas as recognized by major funding agencies
 - Haptics simulation and Virtual reality
 - Human Computer Interaction
 - Learning technologies
 - Human motor skill studies
 - Life enrichment education
 - Women Empowerment
 - Vocational education
 - Instructional Design
4. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project*
1.	MOVE Project	Bhavani B.	Jeff Robinov Family Foundation	50,000 USD	1 year
2.	Women Empowerment Project	Ranganadhan R., Bhavani B.	United Nations Democracy Fund	350,000 USD	3 years

5. Inter-institutional collaborative projects and associated grants received
 - a) National collaboration b) International collaboration
 - National

S. No.	Name of Department/School in Amrita	Primary Contact in Amrita - Name & Designation	Name (s) of Collaborating Institution (s)	Primary Contact (Collaborator) – Name & Designation	Description of Research Programme (include details of amount, start date, duration, and project title)
1.	AMMACHI Labs, Amritapuri (2009-2010)	Bhavani B	Dept. of Computer Science, Amrita School of Engineering,	Asst. Prof. Kumar Rajamani Ph.D.	Development of virtual soldering and fabric painting simulation for

			Bangalore		vocational training

6. Publications:

* Number of papers published in peer reviewed journals (national / international):

1. Sandrine Bonin, *From "Management by Materialism" to "Management by Spiritual Wisdom"*
2. R. Sooraj, N. Akshay, T. G. Jeevan, Rao R. Bhavani. *"Design and Analysis of a Parallel Haptic Orthosis for Upper Limb Rehabilitation"* International Journal of Engineering and Technology Vol.5, 2013.
3. N. Akshay, S. Deepu, Rao R. Bhavani, *"Augmented Vocational Tools Using Real Time Audio-Visual Feedback for Psychomotor Skill Training"*, IEEE International Conference on Technology Enhanced Education (ICTEE), Amritapuri, India. January 2012.
4. N. Akshay, K. Sreeram, Aneesh Anand, Ranga Venkataraman, Rao R. Bhavani, *"MoVE: Mobile Vocational Education For Rural India"*, IEEE International Conference on Technology Enhanced Education (ICTEE), Amritapuri, India. January 2012.
5. Joshua Freeman, N. Akshay, Krishnashree Achutan, *"Photovoltaic Solar Cell Virtual Laboratory"* IEEE International Conference on Technology Enhanced Education (ICTEE), Amritapuri, India. January 2012.
6. *Simple Conservative, Autonomous, Second-Order Chaotic Complex Variable System*. Delmar Marshall and J. C. Sprott International Journal of Bifurcation and Chaos (IJBC) **20**, Issue 3 697-702 (2010)
7. N. Gupta, K. Yogeshwara, Vinay Kumar, R.N. Rajamani, K. Bijlani, K. Achuthan, B. Bijlani, *"Virtual Fabric Paint Environment Using Touch and Gesture for Vocational Training"*, IEEE International Workshop on Haptic Audio visual Environments and Games (HAVE), 7-8 Nov. 2010.
8. B. Bhavani, Srividya Sheshadri, R. Unnikrishnan, *"Vocational Education Technology: Rural India"*, Proceedings of the 1st Amrita ACM-W Celebration on Women in Computing in India, September 2010.
9. B. Bhavani, Kumar Rajamani, Kamal Bijlani, Krishnashree, N. Sreedha, V. Nithyanandan, J. Rahul, Srividya Sheshadri, *"Virtual Media Enhanced Vocational Education Curriculum"*, Second International Conference on Computer Research and Development (ICCRD), Kuala Lumpur, Malaysia, June 2010.
10. C. Venkittarayan, Jayaprakash, V. M. Gopal, R. Kartikkumar, B. S. Nitin, N. Madan, K. Rajamani, K. Achuthan, Bijlani Bhavani, *"Virtual Soldering Environment Using Touch and Gesture for Engineering Labs Education"*, IEEE Technology Symposium (TechSym), 3-4 April 2010.
11. *Simple Driven Chaotic Oscillators With Complex Variable*. Delmar Marshall and J. C. Sprott CHAOS **19**, 013124 (2009)
12. *Computational Studies of CO and CO⁺: Density Functional Theory and Time-Dependent Density Functional Theory*. Delmar Marshall Journal of Quantitative Spectroscopy and Radiative Transfer, **109** 2546-60 (2008)

7. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Note: Provide tabular data, with faculty name, designation, name of outside

institution, dates, theme of visit, and outcomes

<i>S. No.</i>	<i>Name of the staff member</i>	<i>Name & Location of laboratory/institution/industry visited</i>	<i>Purpose of visit</i>	<i>Duration</i>
1	Bhavani B	Biomedical Lab, Arizona State University, USA	International collaboration	June 2010
2	Bhavani B	Robotics Lab, University of New Mexico, USA	International collaboration	June 2010
3	Bhavani B	Prof. Skip Rizzo's Lab at University of Southern California, USA	International collaboration	June 2010
4	Akshay Nagarajan	JSS North East Regional Meeting, Guwahati	To present reforms for the tribal population among the JSS beneficiaries and initiate collaborations	23/05/2010.
5	Ajay Balakrishnan	JSS directors meet at Cochin	Present AMMACHI Labs work and co-ordinate a group interviews with directors to identify high priority courses for computerization	(26-May-2010)
6	Ajay Balakrishnan	JSS directors meet at Indore	Present AMMACHI Labs work and co-ordinate a group interviews with directors to identify high priority courses for computerization	13-Jun-2010
7	Bhavani B.	Visited Dr. Brent Gillespie's Haptics Lab, University of Michigan, USA	Collaboration	28 th Nov 2010
8	Bhavani B.	Visited MIT, USA	Collaboration	June 2011
9	Akshay Nagarajan	Stanford University USA	To build active research collaborations between Stanford and Amrita. During his visit, he worked under the guidance of Prof. Ken	January 2012

			Salisbury, developing low cost haptic simulators for vocational training that would be deployed across India by Amrita University. He was also course assistant for the CS277: Experimental Haptics course	
10	Akshay Nagarajan	University of Michigan, USA	Visiting researcher from AMMACHI Labs to the Haptics Lab at the University of Michigan. He worked with Dr. Brent Gillespie in design of experiments for testing the efficacy of motor skill learning when trained on haptic simulators. There he also participated in various projects involving psychophysical experiments and experimental testing of robots controlled by EEG signals in rats.	May 2012 to July 2012
11	Bhavani B.	Michigan State University, USA	Collaboration and joint project possibility exploration	Nov 2011
12	Bhavani B.	ETH Zurich	Visiting Dr. Pierre Dillenbough's lab for Collaboration and joint project possibility exploration	Oct 12 th 2011
13	Bhavani B.	TUM	Visit to Dr. Mathias	Nov 2011

			Harders, TUM - for remote course offering proposal	
14	Ajay Balakrishnan	Plenary Hall, Vigyan Bhawan, New Delhi	‘Consultative Meet with Chairmen and Directors of Jan Shikshan Sansthan’ chaired by Shri Kapil Sibal. The reforms and innovations introduced in the JSSs during the 11th Five Year Plan and future reforms were discussed.	June 21 st 2012
15	Bhavani B	Stanford Design School, Stanford University, USA	Joint Project initiation	20/06/2013

8. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (please specify)

S. No.	Name of the staff member	Name of national committee	Role/Function	Duration (mm.yyyy to mm.yyyy)
1.	Bhavani B.	National Knowledge Functional Hub, FICCI	Secretary, Southern Region	February 2012 to January 2013
2.	Bhavani B.	Committee on Reforms and Restructuring of Jan Shikshan Sansthan	Technology Expert	6/10/2012 till date

9. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions**

S. No.	Programme Name	Dates: (DD/MM/YY to DD/MM/YY)	# Attendees**	Location / Venue
1.	Sent all engineers to tribal areas to understand the educational requirements	18th - 27th October 2009	Hari P Ajayan, Preejamol, Srividya S, Rahul Jayadas	Nedungandam, Idukki
2.	Lab view and solid works training was provided	10th February 2010	Akshay N, Deepu DS, Josh Freeman	Amrita School of Engineering, Amritapuri
3	Students taken to Shilpa Kala Kshetram to check	25th Jan 2010	Unnikrishnan R	Amrita Shilpa Kalakshetram,

	how Haptics can be used on Wood carving			Trivandrum
4	Computer Graphics classes by Dr. Kumar Rajamani	22th February 2010 to 20th March 2010	Unnikrishnan R, Aparna Rangudu, Akshay Nagarajan, Jose James	Amrita School of Biotechnology, Amritapuri
5	Mathematics classes and Linear Algebra by Dr. Rajan S, Purdue University	Sep 15th 2009, Sep 18th 2009, sep 24th 2009	Deepu D S, Leo Thomas, Aparna Rangudu	Amrita Vishwa Vidyapeetham, Amritapuri.
6	Lecture Series on Haptics by Kanav Kahol, Kanav Kahol, Assistant Professor, School of Biological and Health Systems Engineering Arizona State University, Arizona	5th - 15th December 2009	25 participants	Through Skype at Ammachi Labs.
7	FIRA Robot World Congress - robotics workshop	15-19 September 2010	Unnikrishnan R. Nagarajan Akshay, Deepu D S	Amrita Vishwa Vidyapeetham Bangalore, India
8	Adobe Flash - Game Development and New features Seminar by Arul Kumaran, Pragmatic / RESTful Web API Consultant, Singapore		50+ including A-View participants	Biotech conference room, Amritapuri
9	Animations in Movies class, Rajesh Shrama, Disney Engineer	1/3/2011	10	Amrita University, Amritapuri

10	Talk on Tactile Haptics By Dr. Margaret Minsky, MIT Media Lab	17/12/2012	17 members of the Ammachi labs Haptics team	Amrita Vishwa Vidyapeetham Amritapuri
11	E- Learning methodologies and things to remember Ashok Gaba, IGNOU	Oct 9 th 2012	30 members from Ammachi Labs	Ammachi Labs
12	Two wheeler electrical system Mr. Gopan, Honda certified sr. mechanic	Nov 15 th , 16 th , 17 th 2012	6 members from Ammachi Labs	AMMACHI Labs
13	Sound engineering, Mr. Varun, Expression University, USA,	12/26/2012	10 from Ammachi Labs	AMMACHI Labs

Participation of Amrita Faculty in Faculty Development Programmes conducted **by Other Institutions**

S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants***
1	IIT Mumbai	Mumbai	Product design workshop at IIT Bombay	23-09-2010 Till 25-09-2010	Jose James, Sekhar M.

2	College of Engineering, Munnar	Munnar, Kerala	ISTE Mechatronics Workshop	05/11/2011 to 12/11/2011	Akshay Nagarajan, Deepu DS
3	Dell	Bangalore	Dell Storage Product Training	23-24 July 2013	1
4	IEEE	Trivandrum	Global humanitarian Technology Conference	23-24 August 2013	2

10. Student projects

S. No.	Name of the Project	Principal Investigator and Co-investigator, if any (Names & Designations)	Assistance received from Amrita*	Duration of the Project
1.	Wood Carving	Bhavani B	-	2 months
2.	Face Painting with Haptics	Bhavani B	1,20,000 INR	6 months
3.	Fabric painting simulation	Bhavani B	-	6 months
4.	3d shooting game and bath tub installations in unreal	Bhavani B	-	6 months
5.	Sign Language tutor	Akshay Nagarajan	47000 INR	10 months
6	Sanitary Plumbing Solutions	Bhavani B.	-	6 months
7	Development of a virtual hair cutting simulator using Visio haptic technology and NVIDIA Physx	Bhavani B.	19000 INR	6 months
8	Virtual Make up Simulator	Bhavani B.	-	6 months
9	Integration of Wiimote with UDK	Bhavani B.	12000 INR	6 months
10	Chai 3D World Editor	Bhavani B, Ranga Venkataraman	10000 INR	3 months
12	Virtual interactive simulation for emergency response in an earthquake	Bhavani B, Akshay Nagarajan	25000 INR	6 months
13	Brawn: An haptic Device for Rehab	Bhavani B, Akshay Nagarajan	35000 INR	3 months
14	Haptics Slider	Bhavani B	10000 INR	6 months

15	Mobile Version of SAVE Software	Bhavani B, Ranga Venkataraman	5000 INR	3 months
16	ROI Analysis	Bhavani B, Ajay Balakrishnan	5000 INR	2 months
17	Haptics Augmented High school Physics	Bhavani B	10000 INR	6 months
	Social Networking for Vocational Education	Bhavani B	10000 INR	6 months
18	Organizational Analysis	Bhavani B	2000 INR	1 month

S. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any (Names & Designations)	Assistance received from Amrita*	Duration of the Project
1	Haptic exoskeleton	Bhavani B, Akshay Nagarajan	45000 INR	12 months
2	Two Degrees Of Freedom Haptic Device Using Maglev Actuation	Bhavani B, Akshay Nagarajan	21000 INR	9 months

11. Awards / recognitions received at the national and international level by

S. No.	Name and Designation of the Staff member	Name of the Award / Recognition received	Name of the Agency	Month & Year of receiving the award / recognition
1.	Bhavani B. , Director	3rd best Citizen's Choice Award in the Digital Learning-Skill Development Initiative category at the National level Conference E-INDIA 2010	Government of India	August 2010
2	Bhavani B, Director	Top 10 Young Innovators in India Award	Action for India	21st January 2012
3	Bhavani B, Director	India's Best Skill Development Enterprise Award	NSDC	Feb 2013

12. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S.	Name of the	Dates:	Number of	Source of	Seminar /

No.	Seminar / Workshop organized by the Department	(DD/MM/YY to DD/MM/YY)	Participants		Funding	Workshop Outcome
1.	Haptics Lecture series by Kenneth Salisbury, Stanford University, USA	9-21-2011	Local	96	Amrita University	Introduction to Haptics for the first time in India in a public seminar series. Also led to Student projects in Haptics
			Within State			
			Outside State			
			Within State			
			Outside State			
2	Haptics Seminar by Prof. Mandayam A. Srinivasan, MIT, USA	8/5/2011	Local	13	Amrita University	Initiation of student projects
			Within State	7		
			Outside State	-		
3	Haptics and Vocational education workshop at international conference for technology enhanced education 2012	3-4 Jan 2012	Local	185	Amrita University	Graduation for Amrita's first batch of Women Plumbers, Introduction to computerized vocational training courses

13. Code of ethics for research followed by the departments

Research Code of Conduct

Research and development shall be conducted and communicated in accordance with the highest scientific, professional, and ethical standards and in a manner that fosters mutual respect and enhances the reputation of the individual researcher, his/her colleagues, and AMMACHI Labs.

As a member of AMMACHI labs, I subscribe to the following principles:

- When performing research activities, I shall:
Conduct, manage, judge, and report scientific research objectively, honestly, and thoroughly.
Be honest and realistic in stating claims or estimates based on available data and understand the limitations of my knowledge.
Use appropriate diligence in preserving and maintaining documentation, such as

original data records, so that others may reproduce results.

Acknowledge all conflicts of interest and not knowingly engage in activities where a conflict of interest impedes my ability to act in an objective, honest, and ethical manner.

Recognize past and present contributors to my research and not accept or assume credit for another's accomplishments.

Properly reference and acknowledge past work and accomplishments of my colleagues and others in the scientific community.

Take responsibility for safety and the impacts of my research on the environment and human and animal subjects.

- When communicating and proposing research, I shall:
Claim authorship in a work only if I have made a significant intellectual contribution as part of conception, design, data collection, data analysis, or interpretation and made significant contributions to the scientific communication's preparation.
Claim authorship only if I am willing to be held responsible for the validity and interpretation of data from my contributions and for the conclusions as presented.
Ensure that co-authors on publications and proposals have the opportunity to review and comment on the scientific communications prior to their release.
Clearly define expectations for proposals and projects for which I am the principal investigator, including research roles and support for co-investigators.
Use technical review to achieve the high-quality research product essential to maintaining both my reputation and that of the scientific community at AMMACHI Labs.
Ensure that my research products represent substantive new contributions to the field.
Accurately describe research methodology and data processing in all research products, including clear traceability of all figures and images to original data.
- When dealing with others, I shall:
Be honest and professional in my interactions with students, colleagues, staff, supervisors, sponsors, reviewers, editors, and the public.
Welcome constructive criticism of my personal scientific research and offer the same to my colleagues in a manner that fosters mutual respect and objective scientific debate.
Mentor new colleagues, students, and guests on the AMMACHI Labs Research Code of Conduct, leading them by example on how to conduct and report their research in an ethical manner.

Research Misconduct

All funded research is covered by a research misconduct policy. According to this policy:

- Research misconduct means fabrication, falsification, or plagiarism in proposing, performing, or reviewing research, or in reporting research results, but does not include honest error or differences of opinion
- Fabrication means making up data or results and recording or reporting them.
- Falsification means manipulating research materials, equipment, or processes, or changing or omitting data or results such that the research is not accurately represented in the research record.
- Plagiarism means the appropriation of another person's ideas, processes, results, or words without giving appropriate credit.

- Finding of Research Misconduct means a determination, based on a preponderance of the evidence that research misconduct has occurred. Such a finding requires a conclusion that there has been a significant departure from accepted practices of the relevant research community and that it be knowingly, intentionally, or recklessly committed.

14. Diversity of staff

Description	Value	%
Total Employees	76	100.00
Staff who are graduates of the Same University	11	14.4
Staff from other universities within the state	48	63.2
Staff from universities from other states	14	18.4
From universities outside the country	3	3.9

15. Present details of departmental infrastructural facilities with regard to: NA

Research laboratories

Development Side:

Deployment Side: 130.8 Square Meters

16. List of doctoral, post-doctoral students and Research Associates

a) From the host institution/university

b) From other institutions/universities

S. N o.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	Bhavani B.	MS Physics	Wayne State University, Detroit, Michigan, USA	Dept. of Computer Science, Amrita School of Engineering, Amritapuri	Dr. Maneesha Ramesh, Director, Amrita Center for Wireless Applications, Amrita Vishwa Vidyapeetham	Disaster Management
2.	Srividya Sheshadri	MSW	Columbia University, USA	Dept. of Social Work, Amrita School of Arts and Science, Amritapuri	Dr. Bipin Nair, Amrita Vishwa Vidyapeetham	Sociology

3.	Christopher Coley	MA Philosophy	Colorado State University, USA	Dept. of Social Work, Amrita School of Arts and Science, Amritapuri	Dr. Bipin Nair, Amrita Vishwa Vidyapeetham	Sociology
4.	Rahul ES	Msc Applied Electronics	Bharathiyar University, Coimbatore	Dept. Electronics and communication, Amrita School of Engineering Amritapuri	Dr. Krishnashree, Amrita Vishwa Vidyapeetham	Electronics and Communication engineering
5.	Ranjith R	Msc Applied Electronics	Bharathiyar University, Coimbatore	Dept. Electronics and communication, Amrita School of Engineering Amritapuri	Dr. Krishnashree, Amrita Vishwa Vidyapeetham	Electronics and Communication engineering
6.	Unnikrishnan R	MCA	Amrita University Amritapuri	Dept of Computer Science, Amrita School of Engineering, Amritapuri	Dr. Govind Srimathveeravalli, Memorial Sloan Kettering Cancer Center.	Rehabilitation
7.	Jose James	B Tech		Dept of Computer Science, Amrita School of Engineering, Amritapuri	Dr. Kaimal, HOD Dept. of Computer Science, Amrita University	

17. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

1. Diverse research areas in the fields of Human Computer interactions, Haptics simulation and Virtual reality, Learning technologies, Life enrichment education, Women Empowerment, Instructional Design
2. Computerized vocational education software has Low cost infrastructure set up multilingual support, web-based user interface and low-cost, light-weight haptic technology replacing heavy-duty tools and machinery for different vocational courses
3. Nationally and Internationally Recognized for providing high quality vocational education
4. MoVE-Mobile Vocational Education Unit, to provide vocational education for sustainable development in logistically and geographically diverse areas
5. Deep understanding of the needs of the target audience through long years of experience delivering vocational training through JSS, Amrita Sree

Weakness

1. Limited collaborations for learning technology research
2. Lack of Process and Product standardizations certifications like ISO
3. Technology up gradation / standardization needed across products and components

Opportunities

1. We see the 2000 plus vocational courses and 500 million plus people waiting to get trained in India and people across the world as our biggest opportunity
2. Human computer interaction Technologies and Haptics their adoption rates are advancing at a rapid pace globally as well as nationally and this will open up more avenues
3. Development opportunities: Not many agencies are developing computerized VET and there is a huge market for this. Our initiatives can bring about a huge difference in the access to vocational education and resources in rural India. Using Human Computer Interaction technology, powered by the modalities of multimedia and haptics that greatly improve accessibility and scalability, AMMACHI Labs aims to augment skill development, life enrichment education, healthcare, disaster risk reduction and much more.
4. Government of India is taking big steps towards promoting skill development and research focusing on low literacy populations on which AMMACHI Labs can capitalize based on ongoing projects. This will promote the centre to gain national and regional recognition.
5. Deployment opportunities: large number of international and national (public and private) agencies have expressed interest and initiated engagement. There is huge potential for deployment projects

Challenges

1. Lack of Standardized Vocational educational & Training curriculum
2. Resistance from other universities / commercial players / services are delivered free of cost
3. Geographical disadvantage leading to lack of access to skilled resources
4. Challenges in securing quality content for vocational trades
5. Insufficient alternative sources of revenue other than Govt. Funding.

Amrita Center for Cyber Security – Amritapuri

EVALUATIVE REPORT – CYBER SECURITY

1. Faculty profile, adequacy and competency of faculty

Amrita Centre for Cyber Security Systems and Networks has 12 regular and 5 adjunct faculty members. Among them two hold a doctoral degree. All of them have had a significant number of years of international industrial experience (more than 5 years) prior to joining Amrita. Two faculty members possess an MS degree from abroad and three hold other PG degrees. The faculty have been PIs of major research projects funded by Government of India and have guided several B.Tech and M.Tech students on research projects.

2. Student profile according to programmes of study, gender, region etc

Students to M.Tech courses are selected through an entrance examination which is conducted on All India basis. They are drawn from all parts of the country. 10% of the seats are reserved for students belonging to the scheduled castes and scheduled tribes. The male to female ratio is almost 1:1.

3. Changes made in the courses or programmes during the past five years and the contribution of the faculty to those changes

- o M.Tech in Cyber Security Systems and Network was introduced in August 2012.
- o Ph.D in Cyber Security Systems and Networks was introduced in August 2009.

4. Trend in the success rate and drop out rate of students during the last five years

The first batch of M.Tech students are yet to graduate. But there has not been any dropouts so far. The labs are open 24 hrs for the students. Students that have exhibited poor performance students have been given additional training. Moreover a student coordinator is appointed to address the students' grievances.

5. Learning resources of the department like library, computers, laboratories and other such resources

Every M.tech student is provided with a computer which works to 50 computers for both batches together. These are all networked. In addition to this students are given wifi access for learning purposes. The labs also have a very good set up for conducting Aview classes. Students academic records are managed through an in-house built computer system named Amrita university management system.

IT Enabled services is the primary provider of IT, telecommunication, computing and all related facilities at Amrita VishwaVidyapeetham, Amritapuri campus. With constant up gradation to provide the state-of-the-art facilities, the campus has earned a reputation for its work across a range of computer-based disciplines. The highly distributed computing environment uses cutting-edge computer simulation to solve problems for industry and academia. The center has its own Data center where high end servers are maintained for the purpose of data backup, web access and content filtering, firewall, routers, switches, server and network monitoring systems, audio/video, Surveillance systems. The center has its own networking systems which is purely managed by the experts in the field.

The department has 9 state of the art labs such as Network Security lab, Networking lab, Operating Systems lab, Cryptographic lab, Cyber physical systems lab, Internet of things lab, Cloud security lab

6. Enhancement of learning resources during past 5 years.

Books related to various topics in network security, networking, operating systems, algorithms and latest topics like cyber physical systems are in the library. Besides this we have a dedicated **Digital library** which is updated with the latest online courses from coursera, udacity and other MOOCS site so that students can access it faster locally and learn.

7. Modern teaching methods in practice other than lecture method.

1. Hands on lab for all subjects is emphasised. This helps students grasp the theory better.
2. Where ever appropriate slides and videos are used
3. Some subjects are delivered by experts in the industry using our inhouse software Aview
4. Problem solving course uses online judges like topcoder and marks are given for participating in contests like ICPC and topcoder matches
5. Students are required to take part in security contests like InCTF and other contests to gain knowledge about real world security.

8. Participation of teachers in academic and personal counseling of students.

1. Each student have a counsellor and they can meet any time the student wants.
2. Regular feedback about academics during class committee meetings
3. Weaker students are given special counselling

9. Details of faculty development programmes and teachers who benefited during the past five years.

Faculty Development program was conducted by Dr.Kaladhar (Netapp Inc.) on Cloud Computing, Dr. Bharat Jayaram on Formal Methods. The faculty that benefitted included Mr.Kamalanathan, Mr.Sudharsan, Mr.Vipin, Mr.Hari. Several well known experts such as Dr. Herbert Bos (VU, Amsterdam), Dr. Gene Tsudik (Editor of ACM TISSEC Journal), Dr. Ethan Miller (UC Santa Cruz), Dr.PrashantMahopatra (UC Davis) were invited and specific topics related to security were discussed in addition to the lectures Co-guidance on projects with faculty who are from Louisiana State University, VU, Amsterdam are done on a continuous basis

10.Participation of teachers in academic activities other than teaching and research.

Faculty have been involved in organizing International Conference on Internet of Things in Aug 2012 training students to compete in international events. They have also been heavily involved in service oriented activities within and outside campuses. These include giving invited lectures at conferences, training internship students, giving talks etc.

11.Collaborations with other departments and institutions at the national and international level:

The relevant details are listed below:

Dual degree program : Amrita has partnership with Vrije University, Amsterdam where outstanding students are given a chance to earn an MS in Parallel and Distributed System from VU, Netherlands along with an M.Tech from Amrita University.

12.If research is a significant activity, the thrust areas of the school

- Secure Cloud Computing: Threat modeling, Development of soft sensors, Detection of Rogue providers/ Administrator Operations, Re-architecting software stacks for cloud Environments
- Distributed Security in Cyberspace:
- Security Data Visualization
- Cryptography
- Formal Methods
- Intrusion Detection
- Virtual Labs
- Digital Forensics

13. Details of ongoing projects:

S. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project*
1.	GPGPU Processing	PrabaharanPoornachandran, Krishnashree Achuthan	EMC	20 Lakhs	2 yrs
2.	Advanced Threat Detection	PrabaharanPoornachandran, Krishnashree Achuthan	DeitY	2.1 Cr	2 yrs
3.	Cloud Computing (Phase II)	ShijuSatyadevan	DeitY	51.6 lakhs	2 yrs
4	Secure Framework for Internet of Things	Krishnashree Achuthan, ShijuSatyadevan	DeitY	3.24 crores	2 yrs

16. Participation of the school in the extension activities of the university.

The faculties both teaching and non teaching have participated in Sabarimala clean up for the last 2 years.

17. Method of continuous student assessment

1. Lab assignments and theory assignments are given regularly
2. Paper reading sessions in subjects applicable and evaluation is done
 3. Mini project given in subjects applicable and evaluated
 4. Two internal exams (1st and 2nd internals) followed by final exam
 5. Lab exams where applicable.

18. Placement record of the past students and the contribution of the school to the student placements.

1. Separate department to help students prepare for placements
2. Conducted regular classes to help students prepare for aptitude tests
3. Mock interviews for students and guidance preparing resume

19. Significant achievements of the department or faculty or students during the past five years

- Secured large granted projects on frontier areas of technology

- Amrita Cybersecurity Centre's ethical hacking team "Bi0S" secured 14th place in Mozilla CTF amongst 211 international teams
- The centre conducts the largest ethical hacking contest i.e. InCTF in the country, educating, creating awareness on Cybersecurity.
- Conducted two large international conferences i.e. International Conference on Cybersecurity, Cybercrime and Cyber forensics in August 2009 and International Conference on Security of Internet of Things, August 2012.
- An Indo-US workshop on architectures of Big Data, Privacy was also conducted in August 2012.

20. Participation of the school in COSIP/ COHSSIP/ SAP/ CAS/ DSA/ DRS/ FIST/ etc.
NA

21. Plan of action of the school for the next five years

- Expand the research areas.
- Conduct faculty development program
- Organize workshops /special lectures
- More emphasis on Research.
- Impart training for the development of research staff.
- Establish new research labs
- Recruitment of resources for further expansion of the project
- To develop student skills through academic and extracurricular events.
- Give opportunity to students to do internship in International Universities through Student Exchange Program.

22. Any other highlights

Amrita Virtual Labs (VALUE) – Amritapuri

EVALUATIVE REPORT OF VALUE Virtual Lab

1. If research is a significant activity, the thrust areas of the school

The thrust areas are:

- o Biotechnology and Biomedical Engineering
- o Physical Sciences
- o Chemical Sciences
- o Computer Sciences
- o Mechanical Engineering

2. Details of ongoing projects:

VALUE Virtual Labs is an initiative of MHRD as part of the NME-ICT (National Mission on Education through ICT). It is a collaborative undertaking of Amrita University, IITs (Delhi, Kanpur, Kharapur, Bombay, Madras, Roorkee, Guwahati, IIT Hyderabad, NITK Suratkal, COE Pune and Dayalabagh Educational Institute.

Sl No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project*
1	Virtual Lab Pilot	Dr. Krishnashree Achuthan	MHRD	1.09 Cr.	5 yrs
2	Virtual Lab Main	Dr. Krishnashree Achuthan	MHRD	13 Cr.	4 yrs
3.	Virtual Lab Remote Trigger	Dr. Krishnashree Achuthan	MHRD	3.41 Cr	2 yrs

3. “Programmes by research” offered by the school

NA

4. Publications of the faculty, for the past five years. Details regarding citation index and impact factor analysis.

The center has 16 paper publications all in international journals and 1 book chapter to its credit.

5. Participation of the school in the extension activities of the university.

The staff members participated in Sabarimala clean up drive for the last 2 years (2012 & 13).

6. Significant achievements of the department or faculty or students during the past five years

1. Amrita V Labs was made available free of cost to Indian Institutions and students on Feb 23rd 2012. It was launched “nationwide” formally by Union HRD Minister Mr. KapilSibal.

2. In April 2013, VAUE Virtual labswon “**2013 World Education Summit Awards** in the field of **Innovation in Open and Distance Education**.”

3. Amrita VALUE Virtual labs has a dedicated channel is now on YoutubeEDU, a community of quality educational channels and a free source of high grade educational content from world renowned professors, and leading universities including MIT, Stanford, UC Berkeley etc. On Amrita vlab channel you will get access to the videos of laboratory experiments performed in biological sciences,

physical sciences and chemical sciences and many more. Click on the link below to check out now

<http://www.youtube.com/user/amritavlab>

4. Faculty from over 150 institutions have been trained on using Virtual Labs giving them all hands-on training. We have actively sought feedback, incorporated it into VL development

7. [Participation of the school in COSIP/ COHSSIP/ SAP/ CAS/ DSA/ DRS/ FIST/ etc.](#)

NA

8. [Plan of action of the school for the next five years](#)

- Increase the number of Nodal centers to 50
- Expand support to existing nodal centers at different phases of implementing virtual labs.
- Provide support through online classes, In house implementation of virtual labs.
- Implement virtual labs for engineering students in physics, chemistry at Amrita Vishwa Vidyapeetham, Amritapuri
- Free online demo virtual labs through web conferencing tool to expand support to the users.
- Bimonthly a- view classes based on request from other institutes
- Create lab manual based on the syllabus in physics and chemistry.
- The manual will encompass the syllabus of major universities of India
- Train more students and teachers on virtual labs by conducting online workshops and training programs.
- Customize and modify the LMS system of virtual labs to support teachers and easier evaluation of results.

9. [Any other highlights](#)

The highlights of the VALUE Virtual labs are:

- Cost Effective: Unlike traditional physical laboratories tremendous resources are not needed whilst providing hands on experience of experimentation
- Media Rich: It creates an online learning environment where users can perform physical laboratory experiments in a computer simulated environment - Anytime , Anywhere.
- Fun: Amrita VALUE virtual labs apply new learning technologies that are exciting and fun for the new generation.

**Amrita Center for
Research in
Advanced
Technologies for
Education
(CREATE) -
Amritapuri**

Evaluative Report of the Department

1. Name of the Department
Amrita Center for Research in Advanced Technologies for Education (CREATE)
2. Year of establishment
2009
3. Is the Department part of a School/Faculty of the university? If so, specify.
Yes. School of Engineering
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) **NA**
5. Interdisciplinary programmes and departments involved **NA**
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
NA
7. Details of programmes discontinued, if any, with reasons **NA**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
NA
9. Participation of the department in the courses offered by other departments
YES. M.Tech (Elearning Technologies), M.Tech (CS)
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others) **NA**
11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Raghu Raman	MBA MCA	Head and Director, Amrita CREATE	Virtual Learning environments, big Data, Learning Analytics	24	0
Prema Nedungadi	MCA	Joint Director Amrita CREATE	Adaptive Learning. Machine Learning	23	0
Smrithi V	MS	Senior Research	Serious games	14	0

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
		Associate			

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

NA

13. Percentage of classes taken by temporary faculty – programme-wise information

NA

14. Programme-wise Student Teacher Ratio

NA

15. Number of academic support staff (technical) and administrative staff: sanctioned, and actual

Designation	Sanctioned	Actual
Academic support staff (Technical)	11	11
Administrative staff	3	3

16. Research thrust areas as recognized by major funding agencies

- Modeling, Simulation and Management of:
 - Adaptive learning systems.
 - Language Learning systems.
 - Virtual and Interactive learning environments.
- ICT-based intervention for differently abled learners.
- Availability of e-learning content in local regional languages.
- Digital literacy in rural community centres.
- Use of visualisation tools in data analysis of teacher and learner performance.
- Strategic uses of handheld computing devices in learning.
- Design and deployment issues in cloud computing environments

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project*
1.	MEDSIM	Raghu Raman, Prema Nedungadi	DeitY, GOI	99 lacs	2
2.	OLABS 2	Prema Nedungadi, Raghu Raman	DeitY, GOI	300 lacs	3
3	Adaptive	Raghu Raman, Prema	DeitY,	135 lacs	2

	learning and CCE	Nedungadi	GOI		
4	ERP	Raghu Raman	NMEICT, MHRD	545 lacs	3

18. Inter-institutional collaborative projects and associated grants received **NA**
b) National collaboration b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **NA**
20. Research facility / centre with **NA**
- state recognition
 - national recognition
 - international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies **NA**
22. Publications:
- * Number of papers published in peer reviewed journals (national / international)
7
 - * Monographs
 - * Chapters in Books1
 - * Edited Books
 - * Books with ISBN with details of publishers
 - * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)13
 - * Citation Index – range / average
 - * SNIP
 - * SJR
 - * Impact Factor – range / average
 - * h-index

Also, fill out information in the table below.

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2013	International Journal	1.	Title of the Paper: The VLAB OER experience: Modeling potential-adopter students' acceptance Authors: R Raman, K Achuthan, P Nedungadi, S Diwakar, R Bose Name of the Journal: IEEE Transactions on Education (in press)	

			Month and Year of Publication: 2013 (In Press) Volume No. (In Press) Page No.	
		2.	Title of the Paper: Complementing Neurophysiology Education for Developing Countries via Cost-Effective Virtual Labs: Case Studies and Classroom Scenarios Authors: S. Diwakar, H. Parasuram, C Medini, R. Raman, P. Nedungadi, S. Srivastava, K. Achuthan , B. Nair Name of the Journal: The Journal of Undergraduate Neuroscience Education Month and Year of Publication: 2013 (In Press) Volume No. Page No.	
	International Conference (Proceedings)	3	Title of the Paper:Enhanced STEM Learning with Online Labs:empirical study comparing physical labs, tablets and desktops Authors: Prema Nedungadi, Raghu Raman, Mark McGregor Name of the Conference:43rd ASEE/IEEE Frontiers in Education Conference (FIE 2013), USA Duration of the Conference: Name of the Organizer:ASEE/IEEE Conference Venue: USA Page No: in press Proceedings Published By:	
		4	Title of the Paper:Virtual Labs in Engineering Education: Modeling perceived critical mass of potential adopter teachers Authors: Raman, R; Achuthan, K; Nedungadi, P Name of the Conference: EC-TEL 8th European Conference on Technology Enhanced Learning 2013, Springer Lecture Notes in Computer Science (LNCS) series Duration of the Conference: Name of the Organizer:EC-TEL Conference Venue:, Cyprus, Europe Page No: Proceedings Published By:	
		5	Title of the Paper:Considering Misconceptions in Automatic Essay	

			Scoring with A-TEST - Amrita Test Evaluation & Scoring Tool Authors: P Nedungadi, Jyothi L, Raman Name of the Conference: Africomm Fifth International IEEE EAI Conference on e-Infrastructure and e-Services for Developing Countries Duration of the Conference: Name of the Organizer: IEEE EAI Conference Venue: Malawi Page No: Proceedings Published By:	
		6	Title of the Paper: Modeling Diffusion of Blended Labs for Science Experiments among Undergraduate Engineering Student Authors: R Raman, K Achuthan, P Nedungadi, M Ramesh Name of the Conference: Africomm Fifth International IEEE EAI Conference on e-Infrastructure and e-Services for Developing Countries Duration of the Conference: Name of the Organizer: IEEE EAI Conference Venue: Malawi Page No: Proceedings Published By:	
2012	International Journal	7	Title of the Paper: A new approach to personalization - Integrating e-learning and m-learning Authors: Prema Nedungadi, Raghu Raman Name of the Journal: Springer Journal, Educational Technology Research & Development Month and Year of Publication: Aug 2012 Volume No. Page No.	
		8	Title of the Paper: Modeling diffusion of a Personalized Learning framework Authors: Karmeshu, Raghu Raman, Prema Nedungadi Name of the Journal: Springer Journal, Educational Technology Research & Development Month and Year of Publication: Aug 2012 Volume No. Page No.	

	National Conference (Proceedings)	9	Title of the Paper: Biotechnology Virtual Labs: Facilitating Laboratory Access Anytime-Anywhere for Classroom Education Authors: Shyam Diwakar, Krishnashree Achuthan, Prema Nedungadi and Bipin Nair Name of the Conference: Innovations in Biotechnology, Eddy C. Agbo (Ed.), ISBN: 978-953-51-0096-6, InTech Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		10	Title of the Paper: Learning-Enabled Computer Assessment of Science Labs with Scaffolds Methodology Authors: Prema Nedungadi, Raghu Raman Name of the Journal: The Technology Interface International Journal Month and Year of Publication: 2011 Volume No. 11 Page No.	
		11	Title of the Paper: Integrating Collaboration and Accessibility for Deploying Virtual Labs using VLCAP Authors: Raghu R, Nedungadi P, Achuthan A, Diwakar S Name of the Journal: International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies Month and Year of Publication: 2011 Volume No. Vol.2 No.5 Page No.	
		12	Title of the Paper: Enhanced Facilitation of Biotechnology Education in Developing Nations via Virtual Labs: Analysis, Implementation and Case-studies Authors: S. Diwakar, K. Achuthan, P. Nedungadi and B. Nair Name of the Journal: International Journal of Computer Theory and Engineering Month and Year of Publication: 2011 Volume No. vol. 3, no.1 Page No. 1-8	

	International Conference (Proceedings)	13	Title of the Paper: Transitioning to ICT Enabled Continuous and Comprehensive evaluation – Reducing teacher workload Authors: Raghu Raman, Prema Nedungadi Name of the Conference: 3rd International Conference on Machine Learning and Computing”, Singapore Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
2011	International Conference (Proceedings)	14	Title of the Paper: Computer Assessment of Practical Skills (CAPS) using Scaffolding Methodology as Enabler of Learning Authors: Prema Nedungadi, Raghu Raman Name of the Conference: IAJC-ASEE Joint International Conference on Engineering and Technology, Hartford, USA Duration of the Conference: Name of the Organizer: IAJC-ASEE Conference Venue: Page No: Proceedings Published By:	
		15	Title of the Paper: Collaborative & Accessibility Platform for Distributed Virtual Labs Authors: Prema Nedungadi, Raghu Raman, K Achuthan, S. Diwakar Name of the Conference: IAJC-ASEE Joint International Conference on Engineering and Technology, Hartford, USA Duration of the Conference: Name of the Organizer: IAJC-ASEE Conference Venue: Page No: Proceedings Published By:	
		16	Title of the Paper: Virtual Labs: Pervasive education & scenes from an ICT perspective”, Proceedings of the <u>5TH GUIDE INTERNATIONAL CONFERENCE 2011</u> Authors: Diwakar S, Achuthan K, Nedungadi P, Nair B Name of the Conference: E-learning innovative models for the integration of	

			education, technology and research Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		17	Title of the Paper:The VALUE @ Amrita Virtual Labs Project: Using Web Technology to Provide Virtual Laboratory Access to Students Authors: K. Achuthan, S. Sreelatha, S. Surendran, S. Diwakar, P. Nedungadi, S. Humphreys, S. Sreekala, Z. Pillai, R. Raman, A. Deepthi, R. Gangadharan, S. Appukuttan, J. Ranganatha, S. Sambhudevan, S. Mahesh Name of the Conference: Proceedings of IEEE Global Humanitarian Technology Conference (GHTC), 30 October – Seattle, Washington Duration of the Conference: Name of the Organizer:IEEE Conference Venue: Page No: Proceedings Published By:	
		18	Title of the Paper:Performance Improvements in Schools with Adaptive Learning and Assessment Authors Raghu Raman, Prema Nedungadi Name of the Conference: International Conference on Distance Learning and Education (ICDLE 2010) Duration of the Conference: Name of the Organizer:IEEE Conference Venue:Puerto Rico, USA Page No: Proceedings Published By:	
		19	Title of the Paper:The VALUE @ Amrita Virtual Labs Project: Using Web Technology to Provide Virtual Laboratory Access to Students Authors: Diwakar, K. Achuthan, P. Nedungadi Name of the Conference: Biotechnology Virtual Labs – Integrating Wet-lab Techniques and Theoretical Learning for Enhanced Learning at Universities Duration of the Conference: Name of the Organizer:DSDE Conference Venue:Bangalore	

			Page No: Proceedings Published By:	
2010		20	Title of the Paper: Effectiveness of adaptive learning with interactive animations and simulations, Authors: Nedungadi, P.; Raman, R Name of the Conference: 3rd International Conference on Advanced Computer Theory and Engineering Duration of the Conference: Name of the Organizer: ICACTE Conference Venue: Page No: Proceedings Published By:	
		21	Title of the Paper : OpinionMaps for Tracking and Visualizing Feedback on Digital Video Content Authors: Nikhil Sharma, Raghu Raman Name of the Conference: International Conference on Distance Learning and Education (ICDLE 2010) Duration of the Conference: Name of the Organizer: ICDLE Conference Venue: Puerto Rico, USA Page No: Proceedings Published By:	

23. Details of patents and income generated **NA**

24. Areas of consultancy and income generated **NA**

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Note: Provide tabular data, with faculty name, designation, name of outside institution, dates, theme of visit, and outcomes

Faculty Name	Designation	Institution visited	Dates	Theme of visit	Outcomes
Prema Nedungadi	Joint Director Amrita CREATE	CRESST, UCLA, USA	June 18 – 19, 2013	Collaborative research, student exchange	MoU has been signed between Amrita and CRESST/UCLA
Prema Nedungadi	Joint Director Amrita CREATE	NIAS Bangalore	May 2013	Teacher training programs	MoU has been signed between Amrita and NIAS
Raghu Raman	Head & Director Amrita	ITI, Sau Paulo, Brazil	April 16 – 19,	Exploring skill based training programs	Future visits and meetings scheduled

	CREATE		2013		
Prema Nedungadi	Joint Director Amrita CREATE	Beijing, China	April 15 – 16, 2012	Workshop on Computer based simulations	Received leadership awarded

26. Faculty serving in

b) National committees b) International committees c) Editorial Boards d) any other (please specify)

- **NMEICT – National Mission on Education through ICT**
- **(Past Chair 2012) IEEE Education Society, India council**
- **IFETS Advisory Editor**
- **CBSE - Value Committee**

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions NA**

Participation of Amrita Faculty in Faculty Development Programmes conducted **by Other Institutions**

Nil

28. Student projects **NA**

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities / industry / institute

Note: Department must maintain records of the projects.

29. Awards / recognitions received at the national and international level by

- Faculty
 - o Raghu Raman
 - IEEE Education Society, USA – Outstanding contribution for year 2012
 - IEEE Education Society, India council - Outstanding Chapter award - 2013

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants		Source of Funding	Seminar / Workshop Outcome
1.	IEEE International conference on Technology Enhanced Education (ICTEE)	January 3 – 5, 2012	Local	25	self	IEEE conference Proceedings
			Within State	235		
			Outside State	250		
2.	INSPIRE Science	May 18 – 22,	Local	0	DST	Students

	CAMP for students	2012	Within State	164		winning award at the Intel sWorld Science Fair
			Outside State	0		
3	International Workshop on Technology for School Education	Jan 4'th, 2012	Local	120	Amrita	OLabs Training to Principals and Administrators of Schools
4	ERP Workshop	August 13-14, 2011	Outside State	0	MHRD EdRP project	

31. Code of ethics for research followed by the departments
32. Student profile programme-wise: **NA**
33. Diversity of students **NA**
34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. **NA**
35. Student progression **NA**
36. Diversity of staff
37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period **NA**
38. Present details of departmental infrastructural facilities with regard to
 - a) Library
 - b) Internet facilities for staff and students
 - c) Total number of class rooms
 - d) Class rooms with ICT facility
 - e) Students' laboratories
 - f) Research laboratories
39. List of doctoral, post-doctoral students and Research Associates **NA**
 - a) from the host institution/university
 - b) from other institutions/universities
40. Number of post graduate students getting financial assistance from the university. **NA**
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. **NA**

42. Does the department obtain feedback from
 - a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
 - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
 - c. alumni and employers on the programmes offered and how does the department utilize the feedback?
43. List the distinguished alumni of the department (maximum 10)
NA
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
45. List the teaching methods adopted by the faculty for different programmes.
NA
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

NA
47. Highlight the participation of students and faculty in extension activities.

NA
48. Give details of “beyond syllabus scholarly activities” of the department.

NA
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

NA
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

1. Interdisciplinary Research with School of Computer Science
2. Training teacher students of Amrita School of Education and Teachers at Amrita Vidyalayam Chain of Schools
3. Large Scale Acceptance Nationwide of funded projects such as OLABs with recommendation by CBSE chairman
4. Teaching and mentoring MTech students in Computer Science and ELearning Technology
5. Organizing science research for students - with mentored students and schools winning at IRIS 2013 international levels.

Weakness

1. Shortage of researchers in Education Psychology

Opportunities

1. Great opportunity to serve the society in making drastic societal change by bringing out quality education.
2. Develop tools in technology enhanced educational products and methods in high school and higher secondary level.
3. Improve research activities and develop products to enhance the quality of education and bring social benefits.
4. Promote STEM, TEL based online education Challenges.

Challenges

1. Maintaining the work flow of the centre after grant period is over and sustaining the project.
2. Develop the products in all regional language in India and implement the projects in rural as well as urban schools.

52. Future plans of the department.

The Amrita Center for Research in Advanced Technologies for Education (CREATE) is an educational technology initiative pioneered by Amrita University. CREATE applies innovative digital solutions to provide accessible and affordable educational technologies for all. We aim to improve the quality of education for all with innovative solutions that integrate research and practice. Social and educational systems must be designed in such a manner that creativity and values are nurtured along with knowledge. CREATE is meeting the research challenge to determine the features and applications which can lead to such types of phased transformation through educational technologies. The solution to these problems requires an interdisciplinary approach that draws upon expertise in the physical, biological, statistical and social sciences. CREATE has assembled a multidisciplinary team with these factors in mind.

We are establishing partnerships with technology firms, educational institutions, government organisations and NGOs that will support product co-development, strategy identification, and/or research. We combine CREATE's expertise with that of our partner organisations to create vibrant educational products and services.

Amrita School of Arts & Sciences - Amritapuri

Evaluative Report of Amrita School of Arts and Sciences

53. Name of School : Amrita School of Arts and Sciences

54. Year of establishment : 2003

55. Is the Department part of a School/Faculty of the university? If so, specify. NA

56. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Programme Name	Programme Duration	Student Intake	Start Date
1	Integrated MSc (Physics and Maths)	5 Years	30	2006
2	MSc(Physics)	2 Years	10	2009
3	P hD (Physics)	3 – 5 Years	6	2009
4	Bachelor of Commerce [B.Com]	3 Years	60	2006
5	Bachelor of Business Management [BBM]	3 Years	70	2006
6	Master of Commerce [M.Com]	2 Years	16	2012
7	MSW	2 years	32	2007
8	MSc Chemistry	2Years	20	2008
9	PhD Chemistry	3 – 5 Years	6	2004
10	Integrated MSc Chemistry	5 Years	40	2012
11	Integrated M A English Language& Literature	5years	36	2012
12	M. Sc Mathematics	2 years	7	2012
13.	PhD Mathematics		4	2010

57. Interdisciplinary programmes and departments involved

Sl. No.	Programme Name	Departments Involved	Programme Duration	Student Intake	Start Date
1.	Virtual lab: A Virtual laboratory is a media rich interactive online learning	Dept. of Physics, Biotechnology			
2.					

	environment Which allows the user to access and conduct simulated and remote triggered experiments. The objective is to provide an immersive learning experience that will allow students and teachers to access online community hub to share and enhance conceptual knowledge through a plethora of resources. These include videos, animations, demonstrations, exploration of experimental parameters and workbooks to capture results that mim ics real life experimentation Integrated Mathematics and Physics	and Chemistry	2009-2010		2009
		Department of Mathematics and Physics	5 years	30	2006

58. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil

59. Details of programmes discontinued, if any, with reasons: Nil

60. Examination System: Annual/Semester/Trimester/Choice Based Credit System:
Semester/ Choice Based Credit System.

61. Participation of the department in the courses offered by other departments : NA

62. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Actual
Professor	12	12
Associate Professors	3	3
Asst. Professors	25	25
Others	52	52

63. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/ MPhil students guided for the last 4 years
Dr V.M. NandaKumaran	PhD	Professor & Chairperson of Physics	Non linear Dynamics	35 Years	
Dr. Delmar Marshall	PhD	Professor	Computational Electronic Structure	12 Yrs, 5 Months	
Dr. Narayanankutty Karupath	PhD	Associate Professor	Quantum Mechanics and Astrophysics	34 years	
Dr. Ganesh Sundaram	PhD	Assistant Professor	Theoretical And Computational Physics	18 years	
Dr. Rajmohan Kombiyil	PhD	Assistant Professor	Plasma Physics	4 Yrs 10 months	
Dr. V Sitaram	PhD	Assistant Professor	Conducting Polymers	2 years	
Dr. V Rakesh	PhD	Assistant Professor	ZnO thin films	5yrs 6months	
Sreedev P	MSc, M.Phil	Lecturer	Dielectrics	4yrs, 10 months	
Remya S Nair	MSc, NET	Lecturer	Astrophysics	2 years 2 months	
Dhanya S R	MSc, MEd	Lecturer	Electronics	2 years 2 months	
Br. Sivanandhan	MSc	Lecturer	History of Science	6yrs, 2months	
Soumya G Nair	MSc, Bed	Lecturer	Astrophysics	4Years	
Roshima N S	MSc	Teaching Assistant	Nanotechnology	2 years	
Mr. Jai Misra	M.B.A	Professor			

Dr. Prema D R	M. Com, PhD	Professor & Chairperson of commerce	Entrepreneurship Development & management	29 years	01
Mr. Manoharan T G	M. Com, M.Phil	Lecturer	Banking and Nonbanking Financial Institutions	10 years	
Ms. Anandavally	M. Com, M.Phil	Professor	Relevance of Indian Spirituality in Management Wisdom	25 years	
Bri. Meera	M.A, Phil	Lecturer	Indian Heritage and Culture	6	
Mr. Arun K Pillai	M.TECH, MBA	Asst. Professor	Corporate Social Responsibility, Technology Management	11 years	
Bri. Jisha	M.A	Asst. Professor	Human Resources Management	10 years	
Bri. Sobhana	M.B.A	Asst. Professor	HR and Marketing	7.5 years	
Ms. Dayana Das	P.G.D. M	Lecturer	Human Resource and Organizational Psychology		
Mr. K. Vinod Kumar	L.L.M, P.G.D. C.A	Lecturer		10.5 years	
Ms. Jayashree S	M. Com, SLET	Lecturer		10 years	
Ms. Pravitha N R	M.B.A	Lecturer	Finance and Marketing, HR and Marketing	6 years	

Ms. Durgalashmi C V	M. COM	Lecturer	Financial Accounting	6 years	
Ms. Renjini S Nair	B.TEC H, M.B.A, NET	Lecturer	Micro Finance, Capital Markets and Financial Services, Financial Consultancies	4 years	
Ms. Jyothilekshmi H	M.B.A	Lecturer	HR	5 years	
Ms. Arathy K S	M. Com, NET	Lecturer	Human Resource Management, Financial Management	3 years	
Ms.Ambili R	M. Com	Lecturer	Finance, Marketing	7 years	
Mr.Aby Mon	M. Com	Lecturer	Finance, Cost Accounting, E- Commerce	7 years	
Ms. Kala V K	M.B.A	Lecturer	HR, Marketing	6.5 years	
Rajeev MM	MSW, NET Ph.D	Chairperson of Social Work	Medica & Psychiatry,	Teaching – 4 years,8 months Field- 10 years	
Kochukrishna Kurup	MSc., MSW. NET, PGDC RL	Lecturer	PM/IR (HR), Child Rights	Teaching – 8 years Field/ Ind - 10 years	
Aswathy S	MSW	Lecturer	Community Devt.	Field 4years	
Vivek S	MSW	Lecturer	Community Devt.	1year	
Veena Suresh	MSW	Teaching Asst.	Mental& phyl.Health	1 year	
Nisanth M	MSW	FW Coordinator	Community Devt.	1 year	
Dr. M. Viswanathan	MSc, M.Phil, PhD	Professor& Chairperson of Chemistry	Coordination Chemistry	34 years & 7months	

Prof. Reghunandanan Nair	MSc	Professor	Pure Chemistry	35 years	
Dr. A. Suresh	MSc, PhD	Associate Professor	Organic Conjugated Polymer	21 yrs	
Dr. K.M. Sreedhar	MSc, PhD	Assistant Professor (Sel. Gr)	Polymer supported organic synthesis and reactions	9 years	1
Dr. Zeena S. Pillai	MSc, PhD	Assistant Professor (Sel. Gr)	Photo chemistry	6 years	1
Ms.Sreedha Sambhudevan	MSc, B.Ed	Assistant Professor	Polymer chemistry	10 years & 5 months	
Dr.Beena.S	MSc, PhD	Assistant Professor	Analytical Chemistry	5 years & 6 months	
Dr. Saritha. A	MSc, PhD	Assistant Professor	Polymer chemistry	8 years & 6 months	
Dr. Smitha Chandran.S	MSc, M.Phil, PhD	Assistant Professor	Environmental Sciences	12 years	
Dr Siva Subrahmanian	MSc PhD	Assistant Professor	Catalysis	4 months	
MS. Divya Mohan.R	MSc	Lecturer	Applied Chemistry	1year, 10 months	
R Rejithamol	MSc	Lecturer	Organic Chemistry	4 months	
Sujatha K.K.	M.A. PhD. B.Ed.	Professor & Chairperson of English	Indian Writing in English	45 years	4
Ramanathan P.V.	M.A. M.Phil. PhD.	Professor	Indian Writing in English	42 years	2
Jyothi M.K.	M.A. M.Phil. PhD.	Professor	American Literature	23 years	
Beena S.Nair	M.A. PhD.	Asst. Professor	American Literature	2 years	

Indu B.	M.A. M.Phil. B.Ed.	Asst. Professor	Indian Writing in English & Spiritual Literature	10 years, 6 months	
Arun S.	M.A. M.Phil. B.Ed.	Lecturer		4 years	
Neelima Devadasan	M.A. B.Ed.	Lecturer		1 year	
Deepthi B.	M.A. B.Ed.	Lecturer		6 months	
Dr.Ushakumari	Ph. d	Associate Professor	Stochastic Processes	18 years	3
Dr Sreeja V.K	Ph. d	Assistant Professor& chairperson of Maths	Algebra	15 years	
Dr Rajan	Ph. d	Assistant Professor	Number Theory	7 years	
Lasitha	M.Sc	Assistant Professor	Mathematics & Statistics	17 years	
Sathidevi	M. Sc	Assistant Professor	Mathematics	12.5 years	
Sreelatha Sharma	M. Sc	Assistant Professor	Mathematics	12 years	
Pramod P. Nair	M. Sc	Assistant Professor	Mathematics	7 years, 1month	
Jayalekshmi	M. Sc	Assistant Professor	Mathematics	8 years, 8 months	
Sarika S.G	M. Phil	Assistant Professor	Mathematics	8 years & 8month s	
Ramya M.R	M. Sc	Lecturer	Mathematic	3 years, 10 months	
Manjusha	M .Phil	Lecturer	Mathematics	7 years	
Naren	M. Sc	Lecturer	Mathematics	10 years	
Hemalatha	M. Phil	Lecturer	Mathematics	6 years	
Prajeesh	M Sc. Tech	Lecturer	Mathematics	1 year , 10 months	
Dhanesh	M Sc. Tech	Lecturer	Mathematics	1 year , 10 months	
Jishnuraj	M. Phil	Lecturer	Mathematics	8 yrs	

64. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Note: Please provide details of date of appointment, courses taught, research projects executed, and any other contribution from the same. If the faculty are no longer with Amrita, mention the exit date. Provide in tabular form.

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/ MPhil students guided for the last 4 years
Dr. Sachidanandan	PhD	Professor			
Dr.Sonmanath [ASB]	PhD	Professor	global finance & investment	35 Yrs	
Dr.Hardick Vachhrajani[ASB]	PhD	Assistant Professor	Entrepreneurship Development & Innovation management	12 years	
Prof. Nava Subramaniam [Deakin University, Australia]	PhD	Professor	Auditing, corporate governance, management accounting and control system design, and accounting education	30 years	
Parveen Patkar		Rtd. Professor	Child rights	25 years	-

65. Percentage of classes taken by temporary faculty – programme-wise information :

Nil

66. Programme-wise Student Teacher Ratio : 15:1

67. Number of academic support staff (technical) and administrative staff: sanctioned, and actual

Designation	Sanctioned	Actual
Lab Assistant	4	4
Administrative staff	3	3
FW Coordinator	1	1
Lab Attender	1	1

68. Research thrust areas as recognized by major funding agencies:

Heterocyclic Synthesis (For the Department of Chemistry)

17. Number of faculty with ongoing projects from

a) national - NIL

b) international funding agencies – NIL

c) Total grants received - Rs. 9.12 lakhs

Give the names of the funding agencies, project title and grants received project-wise.

S. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project*
1.	Organic bulk hetero junction devices for solar cell application	Ms C.O. Sreekala	DST WOS-A	9.12 lakhs	2009-2012 3 Years

18. Inter-institutional collaborative projects and associated grants received

c) National collaboration b) International collaboration

a. National

S. No	Name of Department/ School in Amrita	Primary Contact in Amrita - Name & Designation	Name(s) of Collaborating Institution (s)	Primary Contact (Collaborator) – Name & Designation	Description of Research Programme (include details of amount, start date, duration, and project title)
1.	Dept. of Physics	Dr. K.S Sreelatha	DRDO centre Jodhpur, Rajasthan	Dr. M.S Roy Scientist-E	Fabrication of Solar Cells
2.	Dept. of Physics	Dr. Ganesh Sundaram	Institute of Mathematical Sciences, Chennai, India	Dr. R. Shankar and Dr. S.R. Hassan	Condensed Matter Theory Group since 2010
3.	Physics	Dr. Ganesh Sundaram	ME department, Amrita School of Engineering	Dr. Ganesh Udupa	Study and simulation of landing dynamics of a lunar soft lender

4	Physics	Dr. Ganesh Sundaram	M.A. Math	Dr. Ganesh Udupa	A Ducted Micro Wind Turbine With Optimizations for Higher Efficiency
5.	Social Work	Rajeev MM Project coordinator	Coconut Development Board , Govt. of India	R. Jayanath Technical Officer, CDB.	Leadership Training Programme for coconut producers society
6.	Social Work	VS Kochukrishna Kurup	Disaster Management authority, Govt. of Kerala	Remesh Krishnan, Project coordinator , KSDMA	Street play Road show in Three districts of Kerala on Disaster Risk reduction
	Chemistry	Dr. A. Saritha	E- Learning Amrita Research Lab	Dr. Bijilani	7 Lakhs. 3 Years Development of Suitable Pedagogic methods in Chemical Engineering

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
 Project entitled “Macrocyclic and Carbocyclic constructions by SET oxidations of styrenes, allenes and cyclopropanes” Sanction Letter/ Order No and date of sanctioning the project: SR/FT/CS-034/2008, March 9, 2009 with total Project Cost sanctioned Rs. 16,71,000.00. The date of commencement of pProject: 11/05/2009 and the date of completion of Project is 12/12/2012 by Dr. Ani Deepthi, Asst. Professor (Sel.Gr).

20. Research facility / centre with
- state recognition : Yes
 - national recognition : Yes
 - international recognition : Yes

21. Special research laboratories sponsored by / created by industry or corporate bodies :
Nil

22. Publications:

- * Number of papers published in peer reviewed journals
(National / international) : 24
- * Monographs
- * Chapters in Books : 5
- * Edited Books
- * Books with ISBN with details of publishers: Nil
- * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- * Citation Index – range / average
- * SNIP
- * SJR
- * Impact Factor – range / average :2.1
- * h-index

Also, fill out information in the table below.

Year	Type of Publication	Publication Details	Average citation index and impact factor of publications
2008	International Journal	Title of the Paper: Computational studies of CO and CO+: Density functional theory and time- dependent density functional theory Authors: Delmar Marshall Name of the Journal: Quantitative Spectroscopy and Radioactive Transfer Month and Year of Publication: 2008 Volume No. 109(15) Page No. 2546-2560	1.862
2009	International Journal	Title of the Paper: Simple driven Chaotic oscillators with complex variables Authors: Delmar Marshall; Sprott. J.C Name of the Journal: Chaos Month and Year of Publication: 2009 Volume No. 19 Page No. 013124- 013124-7	1.795
2010	International Journal	Title of the Paper: Simple conservative, Autonomous, second order Chaotic complex variable systems Authors: Marshall .D and Sprott. J. C Name of the Journal: Int J Bif & Chaos (IJBC) Month and Year of Publication: March 2010 Volume No. Page No.	0.918

2011	National	Title of the Paper: Sundials: Ancestors of Our Clocks Authors: P.D.Anoop Name of the Journal: Resonance, a monthly journal for science education published by Indian Academy of Sciences, Bangalore Month and Year of Publication: January 2011 DOI: 10. 1007/s 12045-001-0005-4 Volume No. 16 Page No. 29-37		
2013	National Journal	Title of the Paper: Emperical study on Private Labels Authors: Ms. Arathy Sudhakaran Name of the Journal: Research scholar Month and Year of Publication: march -2013 Volume No.III Page No. I		
2008-2013	International Journal	1.	Title of the Paper: Recent advances in Can mediated reactions in Organic Synthesis” Tetrahedron :65,10745 Authors: Vijay Nair and Ani Deepthi Name of the Journal: Tetrahedron Month and Year of Publication: (2009) Volume No. :65, Page No. 10745	3.060
		2.	Title of the Paper: Synthesis of Modified Neurotensin on Poly(styrene-co-hexanediol diacrylate) Resin:Quantification of Native Neurotensin in Brain During Diabetics Using Synthetic Peptide" Authors: Sreedhar et al Name of the Journal: Asian Journal of Chemistry Month and Year of Publication: 2009 Volume No. 21(9) Page No. 6792 - 6802.	0.213
		3.	Title of the Paper: Electroactive dipyremethane Cu(II) monolayers Authors: Beena .S and Girish Kumar Name of the Journal: Electroanalysis, Month and Year of Publication: 2009 Volume No. 20208-18 Page No2317-2323.	2.63
		4.	Title of the Paper: PVC supported liquid membrane potentiometric sensors incorporating a Mn(III) porphylene for the direct determination if undissociated paracetamol, Authors: Beena .S and Girish Kumar	2.63

			Name of the Journal: Electroanalysis, Month and Year of Publication: 2009 Volume No. 20208-18: Page No, 2009-2015.	
		5.	Title of the Paper: Design Development and testing of Rubber Nanocomposites, Authors: Saritha.A, Kuruvilla Joseph, Sabu Thomas, Muraleekrishnan Name of the Journal: Key Engineering Materials, Month and Year of Publication: 2010 Volume No. 124(6) Page No123-126	2.5
		6.	Title of the Paper: Biomolecular motor proteins as targets for cancer- a computational study' Authors: Ajith G Warriar, Barani dharan. M, Deepak O.M., Krishnan Namboori P.K, Sujana Surendran S, SaiRam G.L Name of the Journal: IEEE Explore Month and Year of Publication:2010 Volume No. DDOI 10.1109/ IEEE techSym 2010.129 Page No978-0-7695-3845-3/10	
		7.	Title of the Paper: Oxidative addition of 1,3-dicarbonyl compounds to terminal acetylenes mediated by cerium (IV) ammonium nitrate, Authors: Akhil Sivan, Ani Deepthi and Vidya Nandilath Name of the Journal: Synthesis Month and Year of Publication: 2011 Volume No. 15 Page No. 2466 Page No123-129	2.95
		8.	Title of the Paper: The VALUE @ Amrita Virtual Labs Project Using Web Technology to Provide Virtual Laboratory Access to Students Authors: Krishnashree Achuthan, K. S. Sreelatha, Shone Surendran, Shyam Diwakar, Prema Nedungadi, Steven Humphreys, S. Sreekala C. O., Zeena Pillai, Raghu Raman, Ani Deepthi, Rathish Gangadharan, Saritha Appukuttan, Jyothi Ranganatha, Sreedha Sambhudevan, Suma Mahesh Name of the Journal: IEEE Global	

			Humanitarian Technology Conference Month and Year of Publication: 2011 Volume No. 978.0.7695-0/11 DOI.10.1109/GHTC.2011.79 Page No117-121	
		9.	Title of the Paper: Role of surfactant type and modifier concentration in tailoring the properties of chlorobutyl rubber organoclay nanocomposites Authors: Saritha.A, Kuruvilla Joseph, Sabu Thomas, Muraleekrishnan Name of the Journal: Journal of Applied Polymer Science Month and Year of Publication: 2012 Volume No. 124(6) Page No:123-126.	1.8
		10	Title of the Paper: Chlorobutyl rubber nanocomposites as effective gas and VOC barrier materials Authors: Saritha.A, Kuruvilla Joseph, Sabu Thomas, Muraleekrishnan Name of the Journal: Composites part A Month and Year of Publication: January, 2012. Volume & Pages: 43, 864-870,	2.75
		11	Title of the Paper: Mechanical and Thermophysical properties of TiO ₂ filled chlorobutyl composites Authors: Saritha.A, Kuruvilla Joseph, Sabu Thomas, Muraleekrishnan Name of the Journal: Polymer Composites, Month and Year of Publication: 2012) Volume No. 32(10) Page No1681–1687	2.75
		12	Title of the Paper: Dendrimers as Nd ³⁺ legends: Effect of Generation on the Efficiency of the Sensitized Lanthanide Emission Authors: Zeena S. Pillai, Paola Ceroni ² , Manja Kubeil, Dr. Jan-Martin Heldt, Dr. Holger Stephan, Dr. Giacomo Bergamini, Name of the Journal: Chemistry-An Asian Journal Month and Year of Publication: April,2013 Volume No. 8.	4.5

			Page No: 771-777	
	National Journal	1.	Title of the Paper: Journey Homeward: the Spiritual Quest In Anita Desai's Novel Journey to Ithaca Author: Indu B Name of the Journal: The Quest Month and Year of Publication: Dec 2008 Volume No.: 22, No. 2 Page Nos.: 105-111	
	International Journal	1.	Title of the Paper: The 2-edge geodetic number and graph operations Authors: A.P.Santhakumaran & S.V.Ullas Chandran Name of the Journal: Arab J. Math Month and Year of Publication: 2012 Volume No. 1 Page No. 241-249	
		2.	Title of the Paper: The vertex detour hull number of a graph Authors: A.P.Santhakumaran & S.V.Ullas Chandran Name of the Journal: Discussiones Mathematicae Month and Year of Publication: 2012 Volume No. 32 Page No. 319-328	
		3.	Title of the Paper: The detour hull number of a graph Authors: A.P.Santhakumaran & S.V.Ullas Chandran Name of the Journal: Algebra & Discrete Mathematics Month and Year of Publication: 2012 Volume No. 14 Page No : 307-322	
		4.	Title of the Paper: Linear edge geodetic graphs Authors: A.P.Santhakumaran & T.Jebaraj and S.V. Ullas Chandran Name of the Journal: J.Appl.Math & Informatics Month and Year of Publication: 2012 Volume No. 30 Page No : 371-382	
		5.	Title of the Paper: construction of a R-strongly unit regular monoid from a regular biordered set and a group Authors: A.R. Rajan & V.K. Sreeja Name of the Journal: Asian European	

			journal of Mathematics Mathematics Month and Year of Publication: 2011 Volume No. 4 Page No :653-670	
		6.	Title of the Paper: A multigradient algorithm using mixture of experts architecture for land cover classification of multisensory images, Authors: Pramod P Nair Name of the Journal: International Journal of RemoteSensing Month and Year of Publication: 2011 Volume No. Vol. 32, No. 17 Page No : 4933–4941:	
		7.	Title of the Paper: ' How not to share a set of secrets' Authors: Sahasranand K.R, Nithin Nagaraj, Sundaravaradhan Rajan Name of the Journal: International journal of computer Science and Information Security Month and Year of Publication: April 2010 Vol.8,No 1 .Page 234-23	

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated : Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Department of Chemistry	Dr Zeena Pillai, Asst. Professor (Sel.Gr)	University of Bologna, Italy	Prof. Paola Ceroni Associate Professor Dept. of Chemistry University of Bologna, Italy	Extension of the Erasmus Mundus scheme on June2011-July2011 for collaborative research.	May-June 2010 and June 2011, Established International collaboration & peer reviewed research publication

26.Faculty serving in :

- c) National committees b) International committees c) Editorial Boards d) any other (please specify)

Sl. No.	Name of the Journal / Conference	National / International	Title of the Journal Reviewed	Name of the faculty
1.	(i) Referee of Journal of Applied Mathematics & Stochastic Analysis, Hindawi publishing corporation, New York	International	Applied Mathematics & Stochastic Analysis	Dr. P.V. Ushakumari
2.	(ii) Referee of British Journal of Mathematics and Computer Science, Science Domain international, UK, USA	International	Journal of Mathematics and Computer Science	Dr. P.V. Ushakumari
3.	(iii) Referee of Asia Pacific Journal of Operational Research, Singapore	International	Asia Pacific Journal of Operational Research	Dr. P.V. Ushakumari
4	(iv)Referee of International Journal of information& Management systems	International	International Journal of information& Management systems	Dr. P.V. Ushakumari
5	Referee of International journal of Mathematics and soft computing	International	International journal of Mathematics and soft computing	Dr. Sreeja V.K
6.	Referee of Bulletin of the Malaysian Mathematical Sciences Society	International	Bulletin of the Malaysian Mathematical Sciences Society	Dr. Sreeja V.K

a. Editorship of Journals / Conference Proceedings

S. No.	Name of the Journal / Conference	National / International	Name of the faculty
1.	Academic Editor of British Journal of Mathematics and Computer Science, SDI	International	Dr.P.V.Ushakumari

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs,

workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions**

1	ASAS	Physics	Dynamical System	18 th Aug, 2010	88	S3 ME Class(124) Room, Amritapuri Campus
2	ASAS	Physics	Problem of measurement in Quantum Mechines-1	18 th Aug, 2010	88	Room No124
3	ASAS	Physics	Problem of measurement in Quantum Mechines-2	4 th Sept, 2010	80	CCR Room, Amritapuri Campus
4	ASAS	Physics	Organic semi conductor materials for future technology	Sept 8, 2010	76	LR(CCR)Room
5	ASAS	Physics	Lasers In Nano structuring of materials	Nov3, 2010	83	CIR E-learning Room (LR-2)
6	ASAS	Physics	Strange Matter not a solid, not a liquid not a gas	18 to 21 Dec, 2010		
7	ASAS	Physics	Spread of Epidemic – A Physicist' s view	18 to 21 Dec, 2010		
8	ASAS	Physics	Magnetism	12/01/2011	45	Physics department
9.	ASAS	Mathematics department	Real analysis and Research in analysis by Dr.V. Krishna Kumar	January 29 2011		Amritapuri campus
10.	ASAS	Mathematics department	Abstract algebra by Dr. Balasubramaniam	April 17-21, 2009		Amritapuri campus
11.	ASAS	Mathematics department	Introduction to Commutative Algebra by Dr. M.I. Jinnah	May 18 ,2009		Amritapuri campus
12.	ASAS	Mathematics department	A course on combinatorics by Dr. M.I. Jinnah	Dec, 2012		Amritapuri campus
13.	ASAS	Mathematics department	Lectures on Operator theory by Dr.V.Krishna Kumar	June 25 to July 2, 2011		Amritapuri campus
14.	ASAS	Mathematics department	Invited Lecture by Dr. C. Gupta,	January 1, 2011		Amritapuri campus

			Emeritus Professor, US University on the topic Analysis and measure theory			
15.	ASAS	Mathematics department	Theory of ordinary differential equations by Dr.V. Krishna Kumar	28-31 December 2009		Amritapuri campus
16.	ASAS	Mathematics dept	Quantitative Theory of Differential equations	June 14- 17, 2010		Amritapuri
17.	ASAS	Mathematics dept	Vedic Mathematics By S. Haridas	March 6 2012		Amritapuri
18.	ASAS	Mathematics dept	Research on teaching and learning of Mathematics concepts using Apos theory by Dr. Aneshkumar Maharaj	Mar 7 th 2013		
19.	ASAS	Commerce & Management	Faculty Development Programme on Research Methodology	27/7/11 to 28/7/11	18	Amritapuri
20.	ASAS	Commerce and Management	Inter –Campus Workshop on Social Entrepreneurship	30/12/11 to 31/12/11	15	Amritapuri
21.	ASAS	Commerce and Management	Inter –Campus Workshop on Social Life skills	08/07/13	18	Amritapuri
22.	Amrita Vishwa Vidyape etham and SUNY Bufallo , US	Dept. Of Social Work	ICSTSD-2011, International conference on Society, Technology nad Sustainable development-	3-6-2011	150	AIMS, Kochi
23.	ASAS	Department of Commerce and Mangt.	FDP on Research methodology	27-6-12	30	Amrita University
24.	ASAS	Amrita	Sadgamaya FDP	11-7-12	--	Amrita

		vishwa vidyapeetam, Amritapuri campus	Amrita Vishwa vidyapeetam, Amritapuri campus	13-7 -12		University
25.	ASAS	Coconut development Board & Dept of Social Work,	Leadership training programme for Coconut Producers Society members.	6-9-12 8-9-12	300	Amrita University
26.	ASAS	Dept of Social Work & Chemistry, Amritapuri	National Seminar on “Genetically modified crops and food security”	27-02-13	83	Amrita University
27.	ASAS	Dept of Social Work, Amritapuri Campus	Workshop on “Biodiversity and Social Sciences”	22-3-13	55	Amrita University
28.	ASAS	Dept of Social Work, Amritapuri Campus	One day Street-play Theatre	12-2-112	30	Amrita University
29.	ASAS	Dept.of Social Work	National workshop on psychosocial care in disaster, life skills education & counselling	4-10 Nov 2012	50	Amrita University

Participation of Amrita Faculty in Faculty Development Programmes conducted **by Other Institutions**

Sl. No	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates : (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants
1.	Science Academies and Mar Ivanios Collage, Thiruvananthapuram	Mar Ivanios College, Thiruvananthapuram	Two- day Joint Academies Lecture Workshop on Analytical Chemistry and Environmental Sciences.	11-12 Dec 2008	1
2.	TIFR-Radio		International	4-8	

	astronomy Centre, Ooty, Tamilnadu	Ooty, Tamilnadu	School on Solid State MMR', organized by TIFR-Mumbai, at TIFR-Radio Astronomy Centre, Ooty, Tamilnadu	Jan,2010	1
3.	Centre for Nano Science and Nano technology, Kottayam	Mahatma Gandhi University	National workshop of Nano materials- NWNM-2010	4-6 Jan, 2010	
4.	International School of Photonics, CUSAT	Kochi	Invited talk on Stimulating Teachers through Advanced Training Program	October, 1 2010	N/A
5.	International School of Photonics, CUSAT	Kochi	Invited talk on mode theory of Optical fibers	Feb 28, 2011	N/A
6.	International School of Photonics, Cochin University of Science and Technology, Cochin	Kochi	Annual Photonics Workshop (APW 2012) "Recent Trends in Photonics". Dr. V M. Nandakumaran delivered an invited lecture on " Bose- Einstein Condensation of Bosons"	Febr 27, 2012.	N/A
7.	Ettimadai,	Coimbatore	Dr. Venkateswara Pai Presented a paper entitled " Computation of Planetary Positions in Indian Astronomy" at i on	Mar 3, 2012.	
8.	"World Sanskrit Conference held New Delhi	New Delhi	Dr. Venkateswara Pai Presented a paper	Jan 2012	

9.	Kerala State Council for Science Technology and Environment Department	Thiruvananthapuram, Kerala	“Raman spectroscopy: Recent Advances, techniques and applications”	10 th August 2012,	Dr. Rakshesh V & Sreedev P
10	IEEE IMAC4s conference	IEEE	Participated delivered special Inaugural Address	22 Mar 2013	Dr. Del marshall
11 .	Zahareth Margozechis college	Pillaiyanmanai	National conference on recent trends in Discrete Mathematics	9-11 December 2010	1
12 .	St. Xaviers college	Palayamkottai	National conference on recent trends in graph theory and applications	24-25 February 2011	1
13 .		Mahabalipuram	ICM satellite conference on modular forms	1-8-2010 to 17-8-2010	1
14 .		Hyderabad	International congress of Mathematicians	19-8-2010 to 27-8-2010	1
15 .		Bangalore Campus (TIFR)	International Congress of Mathematicians, Satellite conference on partial differential equations	13 to 17 August 2010	1
16 .		Banguluru campus	Dr. V. Krishnakumar delivered an invited lecture on the topic “Linear Algebra-An over view”	February 14, 2011	1

17	National Institute for Science, Education & Research	Bhubaneswar	Dr. V. Krishnakumar delivered an invited lecture on the topic “Weyl’s Limit classification Theory; a Geometric perspective”	April 18-20, 2011	1
18	The School of Sciences	IGNOU, New Delhi	Dr. V. Krishnakumar attended the expert committee meeting for Review of the Mathematics Curriculum of the Bachelors of Degree programme of IGNOU”	September 20 -22, 2010	1
19	Kariavattam Campus, University of Kerala	Trivandrum	Dr. V. Krishnakumar attended the Annual meeting of the “Board of studies in Mathematics (PG)”	Dec 1 2010	1
20	TIFR	Bombay	Dr. Rajan Sundaravaradhan delivered a talk on some structural results for the stability of root numbers	2010	1
21	IIT	Bombay	Dr. Rajan Sundaravaradhan delivered a talk on Tate’s Thesis I and II	2010, November 22 nd and 26th	1
22	University of Calicut		Dr. V. Krishna Kumar delivered a series of two invited lectures	25-26 February 2010	1

			on “Theory of distributions” at the National seminar on Functional Analysis		
23	Organized by Mathematics Talent search and Nurture programme (MTS & NP	University of Calicut	Dr. V. Krishna Kumar delivered an invited lecture on “Linear Algebra-a geometric approach”	5 th April 2010	1
24	Academic Staff College	University of Kerala, Trivandrum	Dr. V. Krishna Kumar delivered a course of lectures on “Quantitative Theory on Differential equations”	31 st May & I st June 2010	1
25	Sponsored by “National Board of Higher Mathematics”	University of Calicut	Dr. V. Krishna Kumar delivered a course of lectures on “Linear Algebra and Geometry”	3-7 May 2010 & 17-22 May 2010	1
26	Department of Future Studies, University of Kerala, Trivandrum	University of Kerala	Indo-Slovenian workshop on Graph products :Structure and algorithms	7-8 Feb 2012	1
27	Amrita Vishwa Vidyapeetham	Ettimadai	National workshop on Computer Vision and Image Processing Techniques,	21-24 Feb 2012	1
28	Amrita Vishwa Vidyapeetham	Ettimadai	International Conference on Graph Theory and Applications	11-12-2008 to 13-12-2008	1
	IMK,	Trivandrum	FDP on	3/12/2010	Ms .

29	University of Kerala		“Statistical Packages on Research”	to 5/12/2010	Chithralekha B.S., Lecturer
30	Bharath Matha Institute of Management	Cochin	Workshop on “SPSS- Statistical procedure for Social Sciences”	November 2012	Ms. Jayshree S., Lecturer
31	Cochin College	Cochin	Workshop on “SPSS- Statistical procedure for Social Sciences”	20/12/2010 to 22/12/2010	Ms. JayshreeS., Lecturer
32	The Gandhigram Rural Institute	Gandhigram, Tamilnadu	Workshop on, “Environmental and Research Resource Economics”	3/3/2012 to 4/3/2012	Mr. Manoharan. Lecturer
33	State Council for Science, Technology and Environment	Sasthra Bhavan, Trivandrum	Workshop on, “ Research Methodologies ”	15/12/2011 to 16/12/2012	Ms. Durgalashmi Lecturer
34	IIT Bombay	Amritapuri	Workshop – introduction to research methodologies – conducted by IIT Bombay	25/6/12 to 4/7/12	Mr. Manoharan. Lecturer
35	Association of schools of Social Work at Rajagiri College of Social sciences ,	Kalamasery. Kochi	UNICEF workshop on Understanding children issues against MDGs:	19-20 December 2008	VS. Kochukrishna Kurup, Lecturer
36	Dept.of Social Work, Sacred heart college, Tirupattur, TN. and NIMHANS Bangalore.	Tirupattur, T N.	UGC – National conference on Role of Youth in Community Based Disaster Management. (NCDM2012)	2-3 February, 2012	VS. Kochukrishna Kurup, Lecturer
37	Dept.of Social Work Bharathidasan University,	Thiruchirappally.	National conference on Working with Youth Women	27-28, March, 2012	VS. Kochukrishna Kurup, Lecturer

			and Children with HIV/AIDS		
38	Kasthurba Medical College, Manipal, Karnataka	Manipal, Karnataka	XXXI Annual National Conference of Indian Society of Professional Social Work at Kasthurba Medical College	3rd to 5 th January 2013	Dr.Rajeev MM
39	jointly by <i>SUNY Buffalo and Department of Social Work</i>	and AIMS, Cochin	International conference on Society, Technology and Sustainable Development organized jointly by SUNY Buffalo and Department of Social Work		Dr.Rajeev MM
40	Mahatma Gandhi University	Kottayam	Vulnerability <i>Conference 2011</i> , School of Environmental Sciences,	March 12–14, 2011	Dr.Rajeev MM
41	Saraswathy Thyagarja College,	Pollachi	Elder Abuse- Greater significance in post disaster context- experience in Andaman & Nicobar Islands	7& 8 th July 2010	Dr.Rajeev MM

28.Student projects

- percentage of students who have done in-house projects including inter-departmental projects :25
- percentage of students doing projects in collaboration with other universities / industry / institute 100%

29. Awards / recognitions received at the national and international level by

Br. Sivanandan,	Best paper Award in Vedic	All India	June 2010

Lecturer	Section	Conference held at Tirupathy	
Dr. Ganesh Sundaram	Offered a position of Research Associate at the Institute of Mathematical Sciences for 3 three years. This position allows the associate to visit the Institute for up to 3 months a year for three years so as to do collaborative research work Insti- tute of Mathematical Sciences, Chennai, India		

- Doctoral / post doctoral fellows

S. No	Name of Student	Program, Department & School	Description of Achievement / Award	Date of Award	Location	Level of Award
1.	Sreekanth K.M.	Physics, ASAS	Completed a graduate level course on 'Nanoscale materials innovation' organized by the Dept. of material Science - TMFY-MSE. The Royal Institute of Technology, Stockholm, Sweden.	May 2010	Sweden	International
2	Ms. Rosmine Elsa Mohan	Research Scholar	Maulana Azad National Fellowship (JRF) under UGC for research,	Jan 2012		National
3	Ms. Rosmine Elsa Mohan	Research Scholar	Award of Appreciation from Amrita Vishwa Vidyapeetham	2012		institution
4	Sathyanarayanan K.	ASAS, PHYSICS	Participated in the workshop on "Advanced Data analysis Techniques in			

			Astrophysics” held from 10-13 October 2012, at Department of Physics University of Calicut, Kerala.			
5	Sathyanarayanan K.	ASAS, PHYSICS	Participated in the ‘Winter School on Astronomical and Cosmological Surveys’ held from 10-17 December 2012 at Tata Institute of Fundamental Research, Mumbai			

• Students

S No	Name of the Student	Program, Department, & School	Description of Achievement /Award	Date of Award	Location	Level of Award
1	Ms. Arushi P.V.	Int. MSc Physics	Scored 91.45 percentile in JEST 2009 (All India 70 th Rank)	2009	Bangalore	National
2	Ms. Arushi P.V.	Int. MSc Physics	Completed a summer internship at the Physical Research Lab Ahmadabad	May-July 2010	Ahmadabad	National
3	Ms. Arushi P.V.	Int. MSc Physics	First GSLV Gold medal for the Best Essay of the year			National
4	Ms. Arushi P.V.	Int. MSc Physics	Shankar’ s International Silver Medal for Painting competition			International
5	Ms. Arushi P.V.	Int. MSc Physics	District Merit Scholarship from Govt.			State

			of Kerala			
6	Ms. Arushi P.V.	Int. MSc Physics	Qualified the UGC-CSIR NET Exam-2010 (Lectureship)	Dec 2010	Delhi	National
7	Ms. Arushi P.V.	Int. MSc Physics	Qualified GATE 2011 (RANK-389)	2011		National
8	Apurv C. N.	Int M Sc	Joined for PhD (Physics) at Physical Research Laboratory, Ahmedabad		Ahmedabad	National
9	Krishnakumar M.A.	Int MSc	Joined as Project Associate of Radio Physics Laboratory at Radio Astronomy Center (RAC), Tata Institute of Fundamental Research, Ooty.		Ooty	National
10	Ms. Arushi P.V.	Int. MSc Physics	Successfully completed MSc (Engg) at IISc and joined PhD program in Atmospheric Sciences at the Center for Atmospheric and Oceanics Sciences (CAOS) at IISc.	2011	Bangalore	National
11	Anjali Nair L.	Int MSc Physics	Attended Astronomy and astrophysics winter school	December 3-12, 2012	IIST, Valiyamala, Thiruvananthapuram	

			organized by IIST			
12	Anu B.	MSc Physics	Qualified GATE	2013		
13	Lakshmi Das	MSc Physics	Qualified GATE	2013		
14	Anjana J.	MSc Physics	selected for Summer Internship at the prestigious Physical Research Laboratory	2013	PRL , ahmedabad	
15	Sruthy Sankar	MSc Physics	selected for Summer Internship at the prestigious Physical Research Laboratory	2013	PRL , ahmedabad	

Rosmine Elsa Mohan (PhD student)

WORKSHOPS ATTENDED

- Familiarization workshop under Indian Nano User's Program (INUP 2012) , April 16- 18th at *IISc., Bangalore.*
- Hands –on-training under Indian Nano User's Program (INUP 2012), June 18th- 29th at *IISc., Bangalore.*
- Participant of the Indian Science Academy - sponsored Lecture Workshop on '*Recent Trends in Chemical Sciences*' conducted by the Department of Chemistry, Amrita Vishwa Vidyapeetham Kollam, India.
- Participant of *VALUE- workshop on Virtual labs in Physical and Chemical Sciences*, at Amrita Vishwa Vidyapeetham, Kollam, India
- Participant of the seminar '*Matlab and Simulink for Engineering Education*', conducted by Mathworks India at Cochin, India. September 2011
 - 1) Attended two day International seminar on "Financial Inclusion: Exploring the dimensions" on 24th & 25th Feb, 2012, Held at at MSN Institute of Management and Technology, Chavara.
 - 2) Attended a three day international seminar and workshop on sustainable development and governance on December 12-14th, 2012.
 - 3) Attended a two day workshop on research methodologies and spss introduction.
 - 4) Attended intercampus faculty development programme on "social entrepreneurship workshop on 30 & 31, December 2011

LABS VISITED

@ Centre for Nanoelectronics (CEN, IISc.,Bangalore)

Cleanroom, Devices Lab, (Navakanta Bhat) ECE

1. Material Research Center, (S. B. Krupanidhi and S. A. Shivashankar) MRC
2. Instrumentation, (S.Mohan and K. Rajanna)
3. National MEMS Design Center,(Navakanta Bhat) ECE
4. CranesSci MEMS Lab, (Rudra Pratap) ME
5. Bio-MEMS Lab, (V. Venkataraman) PH
6. Optical MEMS, (T. Srinivas) ECE
7. Multidisciplinary Multiscale Devices and Design Lab (M2D2), (G. K. Ananthasuresh) ME
8. Microwave Laboratory, (K. J. Vinoy) ECE

30. Seminars/Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants,if any

Sl. No	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/Y Y to DD/MM/YY)	Number of Participants		Source of Funding	Seminar / Workshop Outcome
1.	Seminar on Basic Electrodynamics	22-24 September, 2008	Local		Amrita Vishwa Vidyapeetham	Successfully Completed
			Within State	30		
			Outside State			
2.	Amrita Amateur Astronomers Club (A3 C), Which was inaugurated by Dr.Anil Bhardwaj, Head, Planetary Sciences Division , Vikram Sarabhai Space Science Center, Trivandrum	January, 2009	Local	112	Amrita Vishwa Vidyapeetham	The program was successfully & it generated a lot of interest
			Within State			
			Outside State			
3	Invited talk on Fifty Years of PHOTONS and hundred years of LASERS	8 th February 2011	Local	28	Amrita Vishwa Vidyapeetham	Successfully Completed & well received
4	Invited talk on Electronic properties of graphene	9 th February 2011	Local	28	Amrita Vishwa Vidyapeetham	Successfully Completed & well received

5	Two days Workshop by the Amrita Amateur Astronomers Club (A3 C) Video Lecture” The Elegant Universe-1 & 2” “Telescope Marking”	5 th 6 th October 2010	Local	88	Amrita Vishwa Vidyapeetham Amritapuri Campus	The program was Successfully and that have resulted in more number of students opting for Astronomy & Astrophysics as their elective subject. A CD ROM with useful astronomy software, Books & other useful tools were given to all the participants
			With in State			
			Out side State			
6	Workshop on Recent Trends in Physics	March 23-25, 2011	Local Outside State		Sponsored by the three Academies of Sciences	Successfully completed & has been a catalyst for such program in other department.
7	“National Science Day” celebrations in the campus	February 28 th , 2011	Local	100		
8	“National Science Day” celebrations in the campus	February 28 th , 2012	Local	100		
9	Prof.C.P.Girijavallabhan, Emeritus Professor, International School of Photonics, CUSAT delivered a lecture Higgs Boson- A Glimpse of God Particle	2: 30 pm on January 24, 2012.	local			
10	Prof P Achuthan Distinguished Professor, Amrita Vishwa	3:00 pm on March 7, 2012	Local			

	Vidyapeetham delivered a lecture Synthesis of Science and Spirituality					
11	Prof VPN Nampoori, CSIR Emeritus Professor, International School of Photonics, CUSAT delivered a special lecture Symmetry in Arts&Sciences	3:00 pm on April 4,2012	local			
12	"Global Positioning System (GPS) - Fundamentals & Research Applications" by Dr. P T Jayachandran, Professor, Dept. of Physics and Head, Radiophysics laboratory, University of New Brunswick (UNB), Canada	22 August 2012			Amrita Vishwa Vidyapeet ham	Successfully completed & well received
13	Dr. N Gopalswamy, Staff Scientist, Solar System Exploration Division, NASA Goddard Space Flight Center, USA; visited the Department of Physics and delivered a talk on " <u>Sun-Earth connection</u> " OR " <u>Solar System Astrophysics</u> ").	Saturday November 3rd, 2012			Amrita Vishwa Vidyapeet ham	Successfully completed & well received
14	<i>To the Moon and Beyond A Neil Armstrong Retrospective and Perspective</i> ” by Prof.Dr.Jayant Murthy, Senior	15 th January 2013			Amrita Vishwa Vidyapeet ham	Successfully completed & generated a lot of interest

	Scientist from Indian Institute of Astrophysics, Bangalore					
15	Priyadarshini planetarium, Trivandrum, has arranged a Sky watching program for Amrita students and staffs	15th & 16th Jan 2013).			Amrita Vishwa Vidyapeetham	Successfully completed & largely benefited the UG & PG students
16	"Nuclear power - A safe, clean and sustainable option" by Sri A.K. Balasubrahmanian, Associate Director (Light Water Reactor Design), Nuclear Power Corporation of India Limited, Department of Atomic Energy, Government of India	25 th March 2013			Amrita Vishwa Vidyapeetham	Successfully completed & largely benefited the UG & PG students
19.	Workshop on Harmonic Analysis	June 24-27 2009			Sponsored by NBHM	
20	ICSTSD 2011 (INTERNATIONAL CONFERENCE) (Org: Member)	3-5 June, 2011	Local		SUNY Buffalo, USA	Proceedings
			Within State	50		
			Outside State	50		
21.	Workshop on enriching families	17-19 th Nov, 2008	Local		Registration fee	Skill enhancement
			Within State	35		
			Outside State			
22.	Workshop on family mental health: intervention, training & research	22 nd -24 th July, 2009	Local		Registration fee	Skill enhancement
			Within State	38		
			Outside State			
23.	National workshop on psychosocial care in disaster, life skills education & counselling	4-10 November, 2012		50	Amrita University	Competence building

24	National Seminar on “Genetically modified crops and food security” Dept of Social Work & Chemistry, Amritapuri	27-2-13	local	80	Swadesi science movement	Competence building
25	Indian Academy of Sciences sponsored Lecture workshop on Recent trends in Chemical Sciences	26-27th, August, 2011	Local	75		
			Within State	22		
			Outside State	7		
26	KSCSTE sponsored National seminar on Frontiers in Chemical Sciences (FCS-2011)	16th November, 2011	Local			
			Within State	75		
			Outside State	5		
27	Two week ISTE workshop for teachers on "Introduction to Research Methodologies" Under the <i>National Mission on Education through ICT</i> (MHRD, Govt. of India Conducted by IIT Bombay	25 th June to 4 th July	Local			
			With in State	74		
			Out side state	1		

31. Code of ethics for research followed by the departments

The research students are taught to acknowledge the results of the previous researchers in the field. Since research is a continuing activity based on the works of others. They are made aware of the consequences of plagiarism and are strongly discouraged from any activity involving plagiarism.

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
Integrated MSc (Phy/Maths)	95	10	33	90%	90%
MSc Physics	18	2	7	90%	90%
MSc Maths	8	1	6		
MSW	35	8	12	100%	100%

MSc Chemistry	59	0	22	90.9%	94.8%
Int.MSc (Chem)	45	07	16	NA	
Int. MA	70	13	23	NA	
B Com	Nil	41	21	78	95.66
BBA	Nil	34	20	84.33	89.66
MCom	Nil	03	07	NA	

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MSW	0	95%	5%	0
MSc Chemistry	0	100%	10	0
Int.MSc Chemistry	0	100%	0	0
Int. MA	0	100%	0	0
Int MSc Phy&Math Maths	0	100% 98%	0 20	0 0
BCom	0	99%	1	0
MCom	0	100%	0	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise : Nil

For students with admission status active during the report period:

For passed out students who got the NET/SLET/GATE etc results during the report period: Nil

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	Nil
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	Nil

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	10
from other universities within the State	78
from universities from other States	10

from universities outside the country	2

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

S. No.	Name of faculty	Name of Advanced Degree (include specialization)	Month & Year of Passing
1.	Ramya M.R.	Qualified in the national level eligibility test for lectureship	2012
2.	Jayalekshmi K.K.	Qualified in the national level eligibility test for lectureship	2013
3.	Renjith R. Pillai	Ph.D	2012
4.	Rajeev M.M.	Ph.D	2013
5.	Dr. Beena S.	Ph.D (Fabrication of electrochemical sensors for metal ions and pharmaceuticals)	March,2011
6.	Dr. Saritha A.	Ph.D (Polymer Nano Composites)	December,2012

38. Present details of departmental infrastructural facilities with regard to

a) Library

The School has an excellent central library which has more than 40,000 books and many international research journals. It is open upto 9.30 at night. It is also open on Sunday. There is a digital library VIDYA, which is also one of the main sources of learning.

b) Internet facilities for staff and students.

The School has fast internet connectivity which enhances the learning experiences of staff and students considerably

c) Total number of class rooms: 25

d) Class rooms with ICT facility: 5

e) Students' laboratories: 4 Science labs+ 1 Language lab

f) Research laboratories: 1 lab for Chemistry

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

b) from other institutions/universities

S. No	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/ University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation & Institution of PhD Guide	Research Topic / Area
1.	C.O. Sreekala	MSc Physics	MG University	Dept. of Physics, Amritapuri Campus Jan 2007	Dr. K S Sreelatha, Asst. Prof. , Amrita Vishwa Vidyapeetham, Amritapuri & Dr. M.S. Roy,	

					Scientist E, Defense Research lab, Jodhpur, Rajasthan	
2.	Sreekanth K M	MSc Physics	MG University	Dept. of Physics, Amritapuri Campus March 2009	Dr. K S Sreelatha, Asst. Prof. , Amrita Vishwa Vidyapeetham, Amritapuri & Dr. N.V. Unnikrishnan, Director, School of pure and Applied Physics, M.G. University Kottayam	
3.	Asha R Pai	MSc Physics	M.G. University	Dept. of Physics, Amritapuri Campus December 2007	Dr. K S Sreelatha, Asst. Prof. , Amrita Vishwa Vidyapeetham, Amritapuri	
4.	Sivananda n D.S	MSc Physics	M.G. University	Dept. of Physics, Amritapuri Campus February 2009	Prof. Balakrishnan, Amrita Vishwa Vidyapeetham, Amritapuri	
5.	Rosmin Elsa Mohan	MSc Physics	M.G University	Dept.of Physics, Amritapuri Campus July 2010	Dr. K.S Sreelatha, Asst. Prof. , Govt Polytechnic Collage Kottayam	Non-liner Dynamic/ Optical Solutions
6.	Ms. Shinma	MSc Physics	M.G University	Dept.of Physics, Amritapuri Campus October 2010	Dr.K.S Sreelatha, Asst. Prof. , Govt Polytechnic Collage Kottayam	Image processing/ In fact cry recognition using natural networks
7.	Lakshmi S Bose	MSc Physics	M G University	Dept. of Physics, Amritapuri Campus	Dr. K. Narayanankut ty Associate	Extra galactic radiation

					Professor, Amrita Vishwa Vidyapeetham, Amritapuri	
8.	Jyothi S Nair	MSc Physics	M G University	Dept. of Physics, Amritapuri Campus	Dr. K. Narayanankut ty Associate Professor, Amrita Vishwa Vidyapeetham, Amritapuri	Dust in galactic plane
9.	Sathyanara yanan	MSc Physics	Calicut Universiity	Dept. of Physics, Amritapuri Campus	Dr. K. Narayanankut ty Associate Professor, Amrita Vishwa Vidyapeetham, Amritapuri	An investigatio n of Molecular clouds with Galex
10.	Jinchu I	MSc Physics	M G University	Dept. of Physics, Amritapuri Campus	Dr. Krishnasree Achuthan, professor, Amrita Vishwa Vidyapeetham, Amritapuri & Dr. K S Sreelatha, Asst. Prof., Govt. poly technic College Kottayam	Dye sensitized Solar cells
11.	Mr. Arun. K. Pillai	M.Tech- Technol ogy Manage ment MBA- Operati ons Manage ment	University of Kerala National Institute of Business Management, Chennai	Deakin University Australia	Dr. Naveentham Subramaniam, Professor, Deakin University	Exploring prospects and best practices of Coincubati on in Asia- Pacific region /entreprene urship
12.	Ms. Pravitha N.R	MBA- finance and Marketi ng	VIIMS College/ Anna university	Amrita school of arts and science	Dr. Ajithkumar , Professor	Growth of Capital Market and its impact on Investers confidence

						with special reference to Kerala/ Behavioral finance
13.	Ms. Durga lakshmi C.V	MCom-finance	Annamalai university	Amrita school of arts and science	Dr. Ajithkumar, Professor	Relevance of Microfinance Models in Kerala/ Microfinance
14.	Ms. Dayana Das	PGDM Human Resources and Marketing	Barathi Vidya Mandir ,Kochi	Amrita school of arts and science	Dr. Ajithkumar, Professor	Role of woman Empowerment and Work Ethics Psychology / Women empowerment
15	Ms. Jyothilakshmi	MBA-Human Resources	Dayananda Sagar Institute, Visweswara ya Technological University	Amrita school of arts and science	Dr. Ajithkumar, Professor	Non-liner Dynamic/ Optical Solutions
16	Ms. Kala.V. Krishnan	MBA-HR and Marketing	GRD Institute of Management, Barathiyar University	Amrita school of arts and science	Dr. Prema, HOD, Commerce and Management	Image processing/ In fact cry recognition using natural networks
17	Bri. Meera	MA Sanskrit	Sasthamcott a, Devosam Board Collage	Amrita school of arts and science	Dr. Maneesha Sudheer, HoD of Wireless network	Extra galactic radiation
18	Ms. S. Jayasree	MCom-finance	Meenakshi collage for women, University of Madras Chennai	M.G. University	Dr. M. C. Dileep Kumar, Vice Chancellor of Sanskrit University, Kaladi.	Dust in galactic plane

19	Mr. Manoharan .T.G.	MCom-Finance	NMSM Govt. College Kalpetta	The Gandhigram Rural Institute	Dr. K. Manikandan, Professor and Co-guide is Dr. Manivel, Professor, Department of economics	An investigation of Molecular clouds with Galex
20.	VS Kochukrishna Kurup	MSW , NET	Shivaji University, Kolhapur	Amrita University	Dr. P. Rangasami, Asst . Prof, Amrita university	Child Right and Protection
21.	Veena Suresh	MSW	Amrita University	Amrita University	Dr.K.R. Priya, Amrita University	
22.	Akhil Sivan	MSc Chemistry	Kerala University	Chemistry, Amrita School of Arts & Sciences, Amritapuri	Dr. Ani Deepthi, Asst. Professor, Amrita School of Arts & Sciences	Organic Synthesis
23.	Mr. Deepak O.M.	MSc Chemistry	University of Bangalore	Chemistry, Amrita School of Arts & Sciences, Amritapuri	Dr. K.M. Sreedhar, Asst. Professor, Amrita School of Arts & Sciences	Theoretical Chemistry- Computational Chemistry
24.	Ms. Vrenda K.V.	MSc Chemistry	Calicut University	Chemistry, Amrita School of Arts & Sciences, Amritapuri	Dr. K.M. Sreedhar, Asst. Professor, Amrita School of Arts & Sciences	Solid Phase Organic Synthesis
25.	Ms. Sandhya R.	MSc Chemistry	Calicut University	Chemistry, Amrita School of Arts & Sciences, Amritapuri	Dr. K.M. Sreedhar, Asst. Professor, Amrita School of Arts & Sciences	Solid Phase Organic Synthesis
26.	Ms. Anjali V.	MSc Chemistry	Kerala University	Chemistry, Amrita School of Arts & Sciences, Amritapuri	Dr. K.M. Sreedhar, Asst. Professor, Amrita School of Arts & Sciences	Solid Phase Organic Synthesis
27.	Ms. Sreedha Sambhudevan	MSc Polymer Chemistry	Mahatma Gandhi University	Chemistry, Amrita School of Arts &	Dr. Balakrishnan Shanker, Associate	Material Science- X-Ray Shielding

				Sciences, Amritapuri	Dean, Amritapuri campus	Materials

40. Number of post graduate students getting financial assistance from the university: Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Conducting survey for the need and feasibility of the courses.

42. Does the departments of the school obtain feedback from

d. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

We conduct a peer evaluation of the faculty members of the departments.

e. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. Faculty feedback is there where the students can openly express teacher's weakness and strengths and in that way the teachers can also improve their talents and can rectify their mistakes.

f. alumni and employers on the programmes offered and how does the department utilize the feedback : No

43. List the distinguished alumni of the school : Nil

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S. No.	Name of Expert Resource	Topic	Date	Number of participants
1.	S. Haridas	Vedic Mathematics	March 6 th 2012	
2.	Dr. Aneshkumar Maharaj, University of Kwazulu, South Africa	Expected learning outcomes of students presentation which highlights work habits and creative thinking	March 6, 2013	
3.	Dr Aby George	Good governance	26-09-13	45
4.	Team from NDMA/ KSDMA	Lessona from Uttarkhand	12-9-13	3
5.	Dr. Sekhar, Nimhans	Life skill, Psycho socialCare	1-7 Nov.2012	80
6.	Dr.Nair, Pushpagiri medical College	Genetically Modified Food	27 th February 2013	60

7.	Dr Kuruvila Joseph, Department of Chemistry, Indian Institute of Space Technology, Thiruvananthapuram	Nano Technologies	March 7, 2011	75
8.	Prof. Andreas Toupadakis, Professor of UC Davis	Self Awareness for Personal Growth and Success	August 14, 2012	70
9.	Dr. G. Rajendran Rtd Prof, Kerala University	Electronic Spectroscopy	November 20, 2012	60
10.	Mr. Renjan Mathew Varghese, State Director, WWF- India	Ecological Footprint and the Kerala Scenario	27-11- 2012	50
11.	Dr. S. Krishnan, Rtd Professor, University college Thiruvananthapuram	Crystal symmetry	September 12 th , 2012	55
12.	Dr. Rani Joseph Head, department of polymer science& Rubber Technology, CUSAT	Green Tyres	February,26,2013	50
13.	Dr Padmam	The Values of Life and Literature	15 November, 2012	40
14.	Dr Rajan	The Power of the Word	14 November, 2012	44
15.	Dr Murali	Importance of Spoken English	4 August, 2012	39
16.	Dr Balu	“Common Errors of Indian Students	4 August, 2012	45

45. List the teaching methods adopted by the faculty for different programmes

1. Lecturing, 2. Seminar, 3. Use of audio visual equipments, 4. Role plays, 5. PowerPoint presentation, 6. Group discussion, Focus Group discussion, 7. Field visit, 8. Debate, etc.

46. How does the School ensure that programme objectives are constantly met and learning outcomes are monitored?

The Syllabi for various academic courses are updated as per the recommendations of the Board of studies. The courses are designed to be on part time and also based on industry needs (in the case of commerce and management)

We have class committees, including student representatives and faculty who were handling the respective courses, Course committees, to discuss the course plans and evaluation policies, scrutiny committee, evaluating the standard of Question papers for each subject, Academic monitoring committee ensures the quality of question paper and whether it follows the course plans provided.

47. Highlight the participation of students and faculty in extension activities.

We use to send students to various programmes like M.T.T.S. (Mathematics Training and Talent Search programme) so as to expose young minds to the excitement of doing mathematics. The students can establish a rapport with other participants and teachers which help them shape their career in mathematics

- a. Participation Teachers Training workshops (TTPs) are conducted for higher Secondary teachers in Kollam District in association with WWF-India and CPREEC, Chennai as part of their ongoing programme on spreading Environment Education and for Sustainable Development on 4th January 2013. About 30 participants from different schools attended the training programme.
- b. A community extension programme was conducted for the students under the auspices of the department of chemistry in association with the Amrita sanjeevani and Ammachi labs. It was arranged as a one day Training Programme on the fabrication of finger caps, rubber bands, balloons and gloves for students at Amrita School of Arts and Science, Amritapuri on 27-03-13. The programme was inaugurated by the principal School of Arts and Sciences and the plenary lecture was delivered by Dr. Elizabeth, scientific officer, Rubber research institute of India, Kottayam. Students enjoyed the plenary lecture session which gave them deep insight into rubber and latex compounding. There were around 50 participants who actively participated in the programme and made the session lively through discussions and interactions. A skilled technician from the Common facility service center was arranged for the hands on session. There was a demonstration of latex compounding followed by hands on training on the fabrication of latex products. The students were thoroughly made to understand the theory behind each step and thus the programme turned out to be really an informative one the participants were engaged in the fabrication of finger caps, balloons, gloves and rubber bands during the hands on session. Every participant could indulge himself or herself in the fabrication process during the hands on session.

48. Give details of “beyond syllabus scholarly activities” of the department.

The various departments under the School organize lectures and seminars by eminent persons to enlighten the students and faculty about current trends in each of the areas. Popular events such as Sky watching wing telescopes are organized with professional help from the state observatory.

49. State whether the programme/ School is accredited/ graded by other agencies? If yes, give details.

School has been assessed and accredited by NAAC.

50. Briefly highlight the contributions of the School in generating new knowledge, basic or applied.

Development of Virtual lab: A virtual laboratory is a media rich interactive online learning environment which allows the user to access and conduct simulated and remote triggered experiments. The objective is to provide an immersive learning experience that will allow students and teachers to access an online community hub to share and enhance conceptual knowledge through a plethora of resources. These include videos, animations, and demonstrations, exploration of experimental parameters and workbooks to capture results that mimics real life experimentation.

Deliverables Projected: Anytime- anywhere access provided to students and lectures to sophisticated simulations, animations and modeling covering a broad spectrum of curriculum for UG & PG sections. Amrita has initiated a program providing VL nodal centers involving several colleges across India and thus is pioneering higher education and research using VL. Our department is instrumental in development and deployment of virtual labs in Chemical Sciences.

51.Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- The school imparts quality education to the students through highly qualified and dedicated faculty members
- Healthy interaction between the faculty and the students through the advisors and counselors as well as regular meetings with the parents to inform them about the progress of the students.
- Peaceful ambience in the campus for students to pursue their work with concentration and dedication.
- The school concentrates on the harmonious development of the head and the heart through value-based education and also inculcates in the students a sense of responsibility towards the society by encouraging them to do service to the society
- State of art ICT services are available to the students.

Weaknesses

- Lack of enough number of full-time research students. Full-time research students form an integral part of any department. Interaction of PG students and the research students will produce a vibrant academic ambience in the department.
- More number of middle level faculty are needed.

Opportunities

- Exchange programmes between Amrita and foreign universities. This would enable the students to get trained by experts from other Institutes.
- Possibility to do inter-disciplinary work with other schools and research centres of the university. Already physics and chemistry faculty are collaborating on virtual lab project.
- Students get experience in organizing mega events such as Tech Fest

Challenges

- The school has to attract research funds from National agencies like DST, DBT and BRNS and become a centre of excellence in research.

- The school has to have more middle level faculty with sufficient teaching, research and administrative experience who can take over responsibilities when the senior faculty members retire.
- Strengthen the existing collaborative research and initiate new ones.

52. Future plans of the School.

In the future we plan to give more emphasis on

1. Strengthening field based research studies.
2. Enlarging the coverage of extension programmes.
3. Enlarge the research activities of the School.
4. Organizing National/ International conferences.

Amrita School of Arts & Sciences - Kochi

Evaluative Report of the School

I. Name and address of the School

Name of the School/College: **AMRITA SCHOOL OF ARTS AND SCIENCES**
 Address: **BRAHMASTHANAM, NORTH EDAPPALLY P.O. KOCHI – 24, KERALA.**
 PIN: **682 034**
 Phone: **0484 - 2801489, 2801965, 2802899**
 Fax: **0484 – 280 2511**
 E-mail: **asaskochi@gmail.com**
 URL: **http://www.amrita.edu/asas/kochi/**

II. For communication:

a) Address for Communication:

Office:

Name	Area/STD Code	Tel. Number	Mobile Number	Fax Number	Email ID
Dr. U. Krishnakumar, Director	0484	2801489	9496290333	2802511	asaskochi@amrita.edu asaskochi@gmail.com
Dr. K.N. Aneesh, School Level Co-ordinator	0484	2801489	9995770266		Aneeshkn1@Gmail.com

Residence:

Name	Area/STD Code	Tel. Number	Fax Number
Dr. U. Krishnakumar Director	0484	2801489	2802511
Dr. K.N. Aneesh, School Level Co-ordinator	0484	2801489	

1. Date of establishment of the Institution: 2005

2. Date of recognition by the respective regulatory body such as AICTE / Medical Council of India/Others:

	Name of the Regulatory Body / University	Date of Approval			Approved (Specify the outcome)	Remarks
		dd	mm	yy		
1	UGC	18	01	2007	approved	
2	AICTE					

3. Campus and Building Area in acres/sq. m:

a.

1.	Land Area	3.32 acres

b.

	Details	Sq. m
1.	Built-in-area (Total)	8645.14
2.	Administrative & Academic Blocks	638.20 and 3,600
3.	Staff Quarters	--
4.	Hospital	---
5.	Auditorium	899.70
6.	Seminar Halls	360
7.	Play Fields, Gymnasiums, etc.	TWO
8.	Hostels	2,676.29
9.	Common Rooms	ONE
10.	Shopping Complex (shop)	20
11..	Guest House	20
12.	Canteen	100
13.	Others, Please specify	

4. Location of the School (based on Government of India Census*) and area:

	Location *	Campus area in acres	Built up area in sq. mts.
i. Main campus area	Urban	3.32	8645.14
ii. Other campuses in the country			
iii. Campuses abroad			

* Urban, Semi-Urban, Rural, Tribal, Hilly Area, Any other (please specify)

* Refer Govt. Gazette. (Kulasekharapuram is the village that the campus is located and in the census website, it lists the place as a 'village' – Refer to URL

<http://www.censusindia.gov.in/2011census/Listofvillagesandtowns.aspx> -> Meta Data ->

'02. Rural-Urban Areas')

5. Provide information on the following:

- Auditorium/seminar complex with infrastructural facilities

Auditorium:

Built up area: 899.70 sq.m.

Capacity: 1000 persons

Facilities: Internet, UPS back up with audio visual arrangements

Seminar Hall:

Built up area: 360 sq.m.

No. of Seminar Halls: three (3)

Facilities: Internet, UPS back up with audio visual arrangements

- Sports facilities

* Playground - 2

* swimming pool - 0

* gymnasium - 0

* Any other (please specify)

- Hostel

* Boys' hostel - NIL

i. Number of hostels

ii. Number of inmates

iii. Facilities

- * Girls' hostel
 - i. Number of hostels - 2
 - ii. Number of inmates - 447
 - iii. Facilities - Each room is equipped with cupboards, study tables, fan, chairs, cot and mattress.
Common facilities in hostel: Solar Water Heater for hot water, phone connections, water purifiers etc.
- * Working women's hostel - NIL
 - i. Number of hostels.
 - ii. Number of inmates
 - iii. Facilities
- Residential facilities for faculty and non-teaching - Separate rooms are provided in hostels to accommodate teaching and non teaching staff members.
- Cafeteria - Functioning in the shop and provides tea, coffee and snacks.
- Health centre – Nature of facilities available – inpatient, outpatient, ambulance, emergency care facility, etc. - Medical facilities are easily available to the students at the Amrita Institute of Medical Sciences (AIMS) which is one kilometre away from the School. Suitable arrangements are available to take the students to the Hospital whenever medical assistance becomes necessary.
- Facilities like banking, post office, book shops, etc. - Dhanlaxmi Bank counter is functioning in the school premises.
- Transport facilities to cater to the needs of the students and staff - 6 school vehicles are plying to transport students and staff from all parts of the city and suburbs.
- Facilities for persons with disabilities
- Animal house
- Incinerator for laboratories
- Power house - A Transformer with 750 KVA capacity and two Generators with 127 KVA capacity each (one standby)
- Waste management facility - operating a Waste treatment plant with a capacity of 1,50,000 litres per day.

6. Current number of academic programmes / courses offered within the School, under the following categories: (Enclose the list of academic programmes offered)

Particulars	Number
UG	4
PG	5
Integrated Masters	1
M. Phil.	
Ph. D.	3
Integrated Ph. D.	
Certificate	
Diploma	
PG Diploma	
Any other (please specify)	

Total	13

7. Number of working days during the last academic year.

170

8. Number of teaching days* during the past four academic years.

(*Teaching days' means days on which classes were engaged. Examination days are not to be included)

648 days

9. Number of positions in the university

Positions	Teaching faculty			Non-teaching staff	Technical staff
	Professor	Associate Professor	Assistant Professor		
Sanctioned by the university	9	-	46	30	7
Number of persons working on contract basis	2		1		

10. Qualifications of the teaching staff.

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.	2	2			1	2	7
M.Phil.	2				4	14	20
PG	3				12	13	28
Temporary teachers							
Ph.D.							
M.Phil.							
PG							
Part-time teachers							
Ph.D.							
M.Phil.							
PG	2				1		3

11. Emeritus, Adjunct and Visiting Professors. **NIL**

	Emeritus	Adjunct	Visiting
Number			

12. Students enrolled in the university departments during the current academic year, with the following details:

Students	UG	PG	Integrated Masters	M.Phil.	Ph.D.	Integrated Ph.D.	D.Litt./D.Sc.	Certificate	Diploma	PG Diploma
	*M/*F	*M/*F	*M/*F	*M/*F	*M/*F	*M/*F	*M/*F	*M/*F	*M/*F	*M/*F
From the state where the university is located	775 (F)	256 (F) and 73 (M)								
From other states of India	19 (F)	3(F) 1(M)								
NRI students	12 (F)									
Foreign students	1 (F)									
Total	807	333								

*M-Male *F-Female

Department of Computer Science and IT

13. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Programme Name	Programme Duration	Student Intake	Start Date
1	Ph. D. (CS & IT)		4	2010
2	Master of Computer Applications (MCA)	3 years/ Six Semesters	60	2008
3	Bachelor of Computer Applications (BCA)	3 Years/ Six Semesters	100	2005

14. Details of programmes discontinued, if any, with reasons

S. No.	Programme Name	Year of discontinuation	Reason(s) for discontinuation
1	MSC IT	2010	

15. Examination System: **Semester System**

16. Participation of the department in the courses offered by other departments
Courses are offered in other Departments (listed below) that fall under Computer Science Stream are taught by the faculty of Department of Computer Science and IT.

MCom (Finance and Systems)

1. Office Automation LAB (Sem 1)
2. Information Systems , SPSS and Other Software Tools Practicals (Sem 2)
3. IT Services Management (Sem 3)
4. Management Information System (Sem 3)

BCom (CA)

1. PC Software (Theory and LAB) (Sem 1)
2. Introduction to Programming (Theory and LAB) (Sem 2)
3. Visual Programming Using VB (Theory and LAB) (Sem 3)
4. Tally LAB (Sem 4)
5. Web Technologies and E Commerce (Theory and LAB) (Sem 5)

BBM

1. Management Information System (Sem 2)
2. E – Commerce (Sem 5)

17. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
Dr. U Krishnakumar	Ph. D(IIT-Mumbai), M.E. CS (IIT Sc Bangalore), BTech (Calicut)	Chairman (Board of Studies), Director, Research Supervisor	Distributed Computing, Medical Informatics, Mentoring, Culture and Media Studies	38 years academic experience and 20 years research experience in India and abroad	1
Dr. M. V Judy	PH. D (CS), M. Phil (CS), MCA	Asst. Professor(SG), HOD, Research Supervisor	Evolutionary Algorithms, Computational Biology	11 years experience , including 9 years in research	4
C. V Prasannakumar	MCA, PGDCA	Asst. Professor	Cryptography, Networking, Databases	16 years academic experience including 6 years abroad	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
				and 1 year in research	
A. S Mahesh	M. Sc CS, MBA (Systems and Marketing), M. Phil (CS), PGDCA, O Level	Asst. Professor	Cloud Computing, Networking, Programmin g	10 years in teaching	
M. Soumya Krishnan	MCA, MSc (CS), M. Phil (CS)	Asst. Professor	Software Engineeing, Data Mining, ITES	10 Years in teaching	
S. Sumesh	M.Tech(IS S), MSc (CS), MCA, O Level	Asst. Professor	Intrusion Detection System, Network Security, Web Programmin g	8 Years Teaching	
Nima S Nair	MCA, M.Phil(CS) , PGDCA, O Level	Asst. Professor	Networking, Medical Informatics, Database	13 years in teaching	
Ranjidha Rajan	MCA, M.Phil(CS) , PGDCA, O Level	Asst. Professor	Bio Informatics, Object Oriented Analysis and Design, Object Oriented Programmin g	13 years academic experience including 2years in research and 2 years in Industry	
L. Nitha	MCA, M.Phil(CS) , PGDCA, O Level	Asst. Professor	Data Mining, Micro Processor, Operating	12 years in teaching	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
			Systems		
K. G. Gaina	M.Sc (CS), M.Phil (CS), PGDCA, O Level	Asst. Professor	Neural Networks, Data Mining	13 years in teaching	
V. R Rajalakshmi	MSc (IT), PGDCA, O Level	Asst. Professor	Database Systems, OOPS Programming, Data Structures	7 years In teaching	
R. Nandakumar	M. Tech(CS), MSc (Physics – IIT Chennai)	Asst. Professor	Algorithms, Geometry	15 years including 8 years in industry, 7 years in research	
A. G. Harinarayanan	MCA	Asst. Professor	Network Security, Web programming	5 years Academic experience including 1 year research	
V. Leena	MCA	Asst. Professor	Neural Networks, Object Oriented, Technology	9 years including industry and teaching	
T. Remya Nair	MCA	Asst. Professor	Web Technology, OOPS Programming	5 years in teaching	
G. Deepa	MCA	Asst. Professor	Software Engineering, Client Server Architecture	8 years in teaching	
N. Arun Kumar	MCA	Asst. professor	Image Processing, Natural	4 years in teaching	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
			Language Processing		
Sreeja Ashok	MCA	Asst. Professor	Software Engineering, Project management, Software QA	14 years in Wipro, including 1 year in teaching	
Sanal Chandran	MSc IT, PGDCA	Lecturer	Cloud Forensic, Ethical Hacking	2 years in teaching and 1 year in industry	
Uma Devi	MSc (CS)	Lecturer	Software Engineering, JAVA	5 years in teaching	
K. P. Ambily	MSc (CS), MPhil (CS)	Lecturer			
S. Geetha	MSc (CS), MPhil (CS)	Lecturer			

18. Programme-wise Student Teacher Ratio

S. No.	Programme	Student Teacher Ratio
1	BCA	25 : 1
2	MCA	15 : 1

19. Number of academic support staff (technical) and administrative staff: sanctioned, and actual

Designation	Sanctioned	Actual
Technical Assistant		2
Lab Assistant		2

20. Research thrust areas as recognized by major funding agencies

Cloud Computing, Cryptography, Medical Informatics, Data Mining, Artificial Intelligence, Networking.

21. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Investigator :Dr.M.V Judy	Development of a computational tool, algorithms for gene finding,	November 2011	Cognitive science research initiative	18, 80,400.00

	mapping of genotype – phenotype based on classification of clinical data for Autism spectrum disorder		programme of department of science and technology government of india	

Also, fill out information in the table below.

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2013	International Journal	1.	Title of the Paper: An Enhanced Solution to the Protein Folding Problem Using a Hybrid Genetic Algorithm With G-Bit improvement Strategy Authors: Dr. M.V Judy Name of the Journal: International Journal of Modeling and Optimization Month and Year of Publication: 2012 Volume No. ISBN: 978-1-4577-0725 Page No.	
		2.	Title of the Paper: Authors: Name of the Journal: Month and Year of Publication: Volume No. Page No.	
		3.		
	National Journal	1.	Title of the Paper: Authors: Name of the Journal: Month and Year of Publication: Volume No. Page No.	

22. Faculty serving in

d) National committees b) International committees c) Editorial Boards d) any other (please specify)

Computer Society of India (CSI) student chapter

- (1) -Dr, M.V Judy [Student Branch Counselor(SBC)]
- (2) A.G Harinarayanan [Member],
- (3) Nitha L [Member],
- (4) Sumesh S [Member],
- (5) Ranjidha Rajan [Member],

23. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions**

S. No.	School Name	Department Name	Programme Name	Dates: (DD/MM/YY to DD/MM/YY)	# Attendees**	Location / Venue
1	ASAS, Kochi	Organised by the School	Faculty Development Programme by Dr. Achyut Shankar S Nair, Director, Centre for Bioinformatics, Kerala University.	July 2008	Faculty members of the School	ASAS, Kochi
2	ASAS, Kochi	Organised by the School	Session on Values in Teaching by Dr. N. Gopalakrishnan, Scientist, Indian Institute of Scientific Heritage	December 23, 2011	All Faculty Members	ASAS Kochi
3	ASAS, Kochi	Organised by the School	One day Refresher session on Teaching and Research	May 28, 2011	All faculty members of the School	ASAS, Kochi
4	ASAS, Kochi	C I R	Two day workshop on Faculty Development – Communication	5 – 6 June 2012	All faculty members of the School	ASAS, Kochi

**Attach separate list of faculty names, designations, and department/school names.

Participation of Amrita Faculty in Faculty Development Programmes conducted **by Other Institutions**

S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants***
1	Cochin University of Science And Technology, Kochi	Kochi	“Emerging Trends in Information Technology and Its Application”	4th Nov 2010	Dr. U Krishnakumar , Mahesh A.S .

			“Cloud Computing and Virtualization”		
2	Department of Computer Science, St. Thomas College,	Trissur,	Research Trends in Computer Science	February 2012	Dr.M.V Judy
3	Federal Institute of science and Technology FISAT	Karukutty	Computational biology	February 2012	Dr.M.V Judy
4	Centre of Bioinformatics, University Of Kerala,	Trivandrum	“Virtualization – Hands on session using BioSlax”	15 th October 2011	A.S Mahesh
5	Centre of Bioinformatics, University Of Kerala,	Trivandrum	“Soft Computing Techniques in Bioinformatics”	15 th October 2011	Dr.M.V judy
6	Centre of Bioinformatics, University Of Kerala,	Trivandrum	“Naïve Bayes Classifier”	15 th October 2011	Ranjidha Rajan

***Attach separate list of faculty names, designations, and department/school names.

24. Student projects

- percentage of students who have done in-house projects including inter-departmental projects – 5%
- percentage of students doing projects in collaboration with other universities / industry / institute 95%

Note: Department must maintain records of the projects.

25. Awards / recognitions received at the national and international level by

- Faculty
 - o Arun Kumar ,Best Paper Award for the paper “Text extraction from document image using edge information and translation using EBMT” , in International Conference on Engineering applications,ICEA-2013

o

26. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants	Source of Funding	Seminar / Workshop Outcome
1.	“LOOPWHOLE – Ethical Hacking Workshop”	5 th & 6 th April 2011	Local 20 Within State 18 Outside State 2		
2.	National Seminar on “Softcomputing Techniques in Computational Biology”	14 th & 15 th October 2011	Local 25 Within State 20 Outside State 5		
3	“SAKSHAM – IT Champion Training Program	4 th – 14 th January 22	30		
4	“National Conference in Security Monitoring	15 th & 16 th February 2013	40		

27. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MCA	120	10	50	8%	45%
BCA	250	100		90%	

28. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MCA	50	45	5	

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
BCA	N.A. (students from Board of Higher Secondary Education and CBSE)			

29. Student progression

Student progression	Percentage against enrolled
UG to PG	90%
PG to M.Phil.	10%
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	
Employed	70%
• Campus selection	20%
• Other than campus recruitment	
Entrepreneurs	2%

30. Diversity of staff

Percentage of faculty who are graduates	
of the same university	14%
from other universities within the State	40%
from universities from other States	46%
from universities outside the country	

31. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

S. No.	Name of faculty	Name of Advanced Degree (include specialization)	Month & Year of Passing
1	Rajalakshmi V R	M.Phil Computer Science	2010
2	Mahesh A.S	M.Phil Computer Science	2010
3	Sumesh S	M.Tech (ISS)	2012
4	Arun Kumar	MTech(IT)	2013

32. Present details of departmental infrastructural facilities with regard to

a) Library

Our library has a large collection of books, journals and magazines. The exhaustive collection of books also includes many international editions. Reading area is also provided for facilitating quiet reading and self learning for the students. Library is also equipped with a Digital Library System with an excellent archive of more than 2000 GB information in all subject areas in

different formats. Online access to IEEE journals and innumerable international databases.

b) Internet facilities for staff and students

We have Multiple Dedicated Leased line access with internet-bandwidth of 15 Mbps and 20 VPN dedicated lines. All the machines in the staff rooms are provided with high speed Internet Facility. Department also maintains an Internet LAB for students.

c) Total number of class rooms -

8 class rooms including lab with ICT facility

d) Class rooms with ICT facility –

All the class rooms are smart class rooms equipped with systems and projectors.

e) Students' laboratories –

Computer labs at the School are equipped with advanced and sophisticated networked computing environment with state-of-the-art technology. There are over 300 desktop systems that are networked over fast Ethernet and Wireless LAN using switches and routers. We have a Cloud Computing platform with Blade Servers, Storage Servers, Firewall and Manageable Switches. All the desktops in the lab are provided with latest programming tools and operating Systems.

33. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

b) from other institutions/universities

S. N o.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	Mahesh A.S	MCA,MPhil(CS and IT)	Sikkim Manipal University, Vinayaka Mission	Amrita Vishwa Vidyapeetham	Dr.U Krishnakumar	Cloud Security
2.	Ranjidha Rajan	MCA,MPhil(CS and IT)	Bharathiar University	Amrita Vishwa Vidyapeetham	Dr.M.V Judy, Amrita School of Arts and Sciences, Kochi	GenotypePhenotype Mapping / Computational Biology and Softcomputing
3	Harinarayanan A.G	MCA	Sastra University	Amrita Vishwa Vidyapeetham	Dr.M.V Judy, Amrita School of Arts and Sciences, Kochi	Classification of medical data/ Datamining

4	Sreeja Ashok	MCA	Bharathiar University	Amrita Vishwa Vidyapeetham	Dr.M.V Judy, Amrita School of Arts and Sciences, Kochi	Improved Stastical Techniques for Predictive Modeling and Analysis of Big Data

34. Does the department obtain feedback from

g. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Before every syllabus updation there is a faculty level discussion and feedback on existing curriculum and syllabi and all valid suggestions are considered for the board level meeting.

h. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Every semester a feedback is taken from the students on curriculum ,teacher-learning evaluation . The Department used to conduct class committees to take the feedback of students.

35. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S.No.	Name of Expert Resource	Topic	Date	Number of participants
1	Sri. G. Krishnakumar, Senior Manager (Technology), SAPIENT Corporation Ltd., Bangalore	Project Management using Ajile Methodology	07/02/2008	100
2	Sri. Bijoy Sivan, Application Development Manager, Atlas Development Corporation, Kolkata	Software Project Management	18/02/2008	150
3	Dr. S. Babu Sunder, Professor, CUSAT	Medical Imaging	20/02/2008	150
4	Br. Pradeep Achan, COO, Amrita Technologies	Technology Trends in enterprise application development	21/02/2008	150
5	Sri. Madhu Guptha, CEO & MD, Radha Electronics	PC Principles	22/02/2008	200
6	Sri. Vinod Nambiar, Associate Vice President, ASSYST international	Modern Trend in Software Engineering	23/2/2008	150
7	Dr.Muralikrishna, Scientist, Signal Processing Division,	Monte carlo Systems	23/2/2008	100

	NPOL				
8	K Jayakrishnan , Director, Xtend Technologies	What every s/w engineer should know	25/2/2008	150	
9	Sri. M. Srivalsan, Manager, ICTS, Amrita Vishwa Vidyapeetham	Wireless networks and security issues	25/02/2008	150	
10	Smt. Daleesha M Viswanathan, Lecturer in Computer Science, CUSAT	Artificial intelligence	26/02/2008	200	
11	Smt. S. Malathi Lecturer in Computer Science, CUSAT	Software documentation	27/02/2008	100	
12	Sri. M. Elangovan Professor in CAD/CAM, Amrita Vishwa Vidyapeetham	Opportunities in CAD / CAM	01/03/2008	150	
13	Dr. A. Unnikrishnan, Associate Professor, NPOL, Kochi	Neural Networks in signal Processing	09/02/2009	100	
14	Dr. K. Poullose Jacob, Director (Strategic Planning and HOD Computer Science, CUSAT)	Cloud Computing	11/02/2009	100	
15	Smt. Daleesha Viswanath, Lecturer, Dept. Of Computer Secience, CUSAT.	Information Retrieval	02/02/2009	100	
16	Sri. K. Jayakrishnan, Director, Xtend Technologies	Computer Viruses	02/02/2009	100	
17	Sri Madhu Guptha, CEO & MD , Radha Electronics	Hardware technology Trends	09/02/2009	150	
18	Sri. A Sreekumar, Lecturer, Dept. of Computer Science, CUSAT	Cryptography – Secret Sharing	10/02/2009	160	
19	Sri. Ramesh Govind, Project Manager, Infovista Ltd., Kochi	Use of an open source software in enterprise computing	11/02/2008	150	
20	Sri. G. Krishnakumar, Senior Manager, Sapient Corporation Ltd.	Agile computing	13/02/2009	150	
21	Dr. Muralikrishna, Scientist, NPOL, Kochi	Defence Strategic Applications using IT	13/02/2009	100	
22	Smt. S. Malathy,	Building reusable	18/02/2009	150	

	Lecturer, Dept. of software Computer Science, CUSAT					
23	Sri. Jayakrishnan K. Director, Xtend Technologies (P) Ltd.	Advanced Programming	C	18/10/2010	200	
24	Sri. M. Srivalsan, Head, ICTS Amrita Vishwa Vidyapeetham, Coimbatore	Introduction to Virtualisation		22/10/2010	150	
25	Sri. Prasanth. R. Nair, Vice Chairman Dept. of IT, Amrita Vishwa Vidyapeetham	Biometrics and Cyber Security		01/11/2010	100	
26	Dr. Vargheese Paul, Vice Principal TOC-H Institute of Science and Technology	Information Security and Cryptography		03/11/2010	150	
27	Sri. K.V. Somanathan Pillai Senior Manager, Indian Bank, Coimbatore	Judicious Cyber Spacing		04/11/2010	150	
28	Sri. Madhusoodan Gupta, CEO and M D, Radha Electronics	New Generation of Microprocessors		09/11/2010	150	

36. List the teaching methods adopted by the faculty for different programmes.
- Lectures, assignments, demos on practical sessions, seminars, quizzes and Power Point presentations,
 - Expert Lectures in advanced areas
 - Guidance for appropriate reference.
 - remedial coaching for slow learners.
 - case study and simulations,
37. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Feedback from the students
 - Class committee meetings
 - Performance of students in tests, quizzes, periodical examinations etc.
 - Continuous lab evaluations.
 - Frequent departmental meetings and open discussions
38. Highlight the participation of students and faculty in extension activities. Voluntary participation of students in all the social welfare activities such as Amalabharatham, Sanskriti (an initiative of students and staff) etc. to fulfill Amma's desire, leadership development, environmental friendly and event management capabilities.
39. Give details of "beyond syllabus scholarly activities" of the department.

An extramural lecture series, “Vidyamritam”, seminars, different entrance examination coaching, spiritual interest, created through lectures of qualified and eminent personalities, regular life skills coaching, frequent interactions with concerns officials and experts for creating awareness of traffic rules and regulations. Annual cultural festival, “kalamritam”, art exhibitions, photography competitions, etc are also conducted.

40. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

41. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Bridge courses for non computer science streams are conducted before the actual classes are started. A tech board is maintained to inform on new knowledge base and topics.

42. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

- Amma’s blessings
- Good team work of faculty.
- Providing Smart class facility.
- Expert lecture series on different areas.
- Weekly sessions by faculty to share on the emerging areas and research works.
- Extra care for slow learners.
- Dedicated, committed and co-operative faculty with teaching and industrial exposure
- Good library facilities with extended hours
- Good computer lab facilities with extended hours
- Good syllabus and curriculum
- Adequate transportation facilities for students and staff
- Good infrastructure
- 90 – 95% placements
- Updations in knowledge levels of students and staff through sessions by experts from industry

43. Future plans of the department.

To groom more professional with skill, ethical values and commitment to the society. To enhance journals in Departmental library. To grow the department as a nationally accredited research department.

44. Names of programmes offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Programme Name	Programme Duration	Student Intake	Start Date
1	Ph. D. (Commerce)		3	2010
2	M. Com. (Master of Commerce)	2 years (4 semesters)	23	2008
3	B. Com. (Bachelor of Commerce)	3 years (6 semesters)	100	2005
4	B.B.M. (Bachelor of Business Management)	3 years (6 semesters)	35	2011

45. Details of programmes discontinued, if any, with reasons

S. No.	Programme Name	Year of discontinuation	Reason(s) for discontinuation
1	M. Sc. (Hospital Administration)	2009	Shifted to Medical Campus, Kochi

46. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester System

47. Participation of the department in the courses offered by other departments
Courses are offered in the Department of Computer Science and IT that fall under Commerce Stream are taught by the faculty of Department of Commerce and Management and vice versa.

48. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Actual
Professor	5	5
Associate Professors		
Asst. Professors	8	8
Others		

49. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M. Phil. students guided for the last 4 years
Dr. M.V. Kamalakshi	M. Com., Ph. D.	Professor	Financial Management	38 years	2 (Ph. D.)
Prof. CA S. Jagdish	FCA	Professor	Finance and Taxation	11 (Teaching), 22 (Professional)	
Dr. S. Venugopal	M. Com., Ph. D.	Professor	Management and Finance	34 years	4 (Ph. D.)
Prof. T.K. Ajaikumar	MA, PGDBA	Professor	HR and Marketing	11 (Teaching), 30 (Professional)	
Prof. S.	M. Com., B.	Professor	Finance and	35 years	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M. Phil. students guided for the last 4 years
Sasidharan Uppath	Ed., M.B.A., M. Phil., M. H.R.M. (doing part time research)		Marketing		
K.R. Shabu	M. Com., M. Phil	Asst. Professor	Accounting and Finance	22 years	
Dr. A.S. Ambily	M. Com., Ph. D.	Asst. Professor	Accounting and Finance	7 years	
K.G. Rajani	M. Com., M. Phil., PGDCA, SET, UGC NET (doing part time research)	Asst. Professor	Entrepreneurship and Management	11 years	
K.V. Vijay Lakshmy	M. Com., UGC Net/JRF (doing part time research)	Asst. Professor	Accounting and Management	5 years	
Sony Vijayan	ML, UGC NET, (doing part time research)	Asst. Professor	Commercial Law, Constitution Law and Maritime Law	5 years	
S. Girish	M. Com., UGC Net	Asst. Professor	Marketing and HR	3 years	
G. Aswathy	M. Com., DFA, UGC Net	Asst. Professor	Marketing and HR	2 years	
Gayatrilaxmi R. Panicker	MBA, UGC Net/JRF	Asst. Professor	Finance and Marketing	1 Year (Teaching), 1 year (industry)	

50. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Note: Please provide details of date of appointment, courses taught, research projects executed, and any other contribution from the same. If the faculty are no longer with Amrita, mention the exit date. Provide in tabular form.

Name	Qualification	Designation	Specialization	Date of appointment	Courses taught
CA S.H. Pramod Prabhu	ACA, PGDBA, CISA (USA)	Adjunct Expert Faculty	Finance and Taxation		Financial Management, Direct and Indirect Taxes

51. Percentage of classes taken by temporary faculty – programme-wise information

S. No.	Programme	Percentage
1	B. Com.	5%
2	B.B.M.	5%
3	M. Com.	10%

52. Programme-wise Student Teacher Ratio

S. No.	Programme	Student Teacher Ratio
1	B. Com.	1 : 4.17
2	B.B.M.	1 : 7.05
3	M. Com.	1 : 3.57

53. Publications:

- * Number of papers published in peer reviewed journals (national / international)
- * Monographs
- * Chapters in Books
- * Edited Books
- * Books with ISBN with details of publishers:

S. No.	Year of publication	Title of the Book	Name of the Publisher	Author and Co-author	ISBN
1.	2011	Management Accounting	Kalyani Publishers	K.R. Shabu and K.M. Vineeth	978-93-272-1332-4
2.	2011	Applied Cost Accounting	Kalyani Publishers	K.R. Shabu and K.M. Vineeth	978-93-272-1409-3
3	2011	Management Accounting	Kalyani Publishers	K.R. Shabu and K.M. Vineeth	978-93-272-1410-9
4.	2011	Accounting for Managerial Decisions	Kalyani Publishers	K.R. Shabu and K.M. Vineeth	978-81-272-3676-2
5.	2011	Financial Accounting for MCA	Kalyani Publishers	K.R. Shabu and K.M. Vineeth	978-93-272-1423-9
6.	2012	Principles of Management and Accounting	Kalyani Publishers	K.R. Shabu and K.M. Vineeth	978-93-272-1804-6
7	2012	Introduction to Accounting	Kalyani Publishers	K.R. Shabu and K.M.	978-93-272-2502-0

54. Details of patents and income generated
Nil

55. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted by Amrita Institutions

S. No.	School Name	Department Name	Programme Name	Dates: (DD/MM/YY to DD/MM/YY)	# Attendees**	Location / Venue
1	ASAS, Kochi	Organised by the School	Faculty Development Programme by Dr. Achyut Shankar S. Nair, Director, Centre for Bioinformatics, Kerala University.	July 2008	Faculty members of the School	ASAS, Kochi
2	ASAS, Kochi	Organised by the School	Session on Values in Teaching by Dr. N. Gopalakrishnan, Scientist, Indian Institute of Scientific Heritage	December 23, 2011	All Faculty Members	ASAS Kochi
3	ASAS, Kochi	Organised by the School	One day Refresher session on Teaching and Research	May 28, 2011	All faculty members of the School	ASAS, Kochi
4	ASAS, Kochi	C I R	Two day workshop on Faculty Development – Communication	5 – 6 June 2012	All faculty members of the School	ASAS, Kochi

**Attach separate list of faculty names, designations, and department/school names.

Participation of Amrita Faculty in Faculty Development Programmes conducted by Other Institutions

Nil

56. Student projects

- percentage of students who have done in-house projects including inter-

- departmental projects
- percentage of students doing projects in collaboration with other universities / industry / institute

Note: Department must maintain records of the projects.

Nil

57. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants		Source of Funding	Seminar / Workshop Outcome
1.	Global Financial Crisis and the Impact on Indian Economy (Organised by Dept. of Commerce and Management)	Feb 21, 2009	Local	4	Own funds	Students also attended
			Within State	4		
			Outside State Students attended	3		
2.	Contemporary Trends in Healthcare Delivery (Organised by Dept. of Commerce and Management)	One Day	Local	10	Own funds	Students also attended
			Within State	5		
			Outside State	5		
3	National Conference on Indian Capital Markets: Its Modernity and Vibrancy Organised by Dept. of Commerce and Management	April 1, 2011	Local	5	Own funds	Students also attended
			Within State	6		
			Outside State Students attended	6		
4	National Conference on Indian Mutual Funds Industry: Opportunities and Challenges organized by Department of Commerce and Management	November 5, 2011	Local	8	Own funds	Students also attended
			Within State	8		
			Outside State Students attended	5		

5	One day entrepreneurship motivation Campion	3rd February 2012	Local	6	Own funds	Students also attended
			Within State	4		
			Outside State Students attended	5		
6	National seminar on trends in supply chain management and logistics	3rd march 2012	Local	5	Own funds	Students also attended
			Within State	4		
			Outside State Students attended	4		
7	National seminar on empowerment of women through entrepreneurship	9th march 2012	Local	4	Own funds	Students also attended
			Within State	5		
			Outside State Students attended	5		
8	National Seminar on Foreign Direct Investment (FDI) in Indian Retail Sector and its Impact on Kerala Economy – Dept. of Commerce and Management	19 th March, 2013	Local	5	Funded by Dhanlaxmi Bank	Students also attended
			Within State	4		
			Outside State Students attended	4		
9	Business Skill Development Programme	23 October, 2009	Students of B. Com. and M. Com.	40	Funded by MSME Development Institute (Under Ministry of Industries), Trichur	It was a programme to mould young entrepreneurs for a period of 3 months.

58. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M. Com. (Master of Commerce)	76	22		86%	90%
B. Com. (Bachelor of Commerce)	202	100		93%	

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.B.M. (Bachelor of Business Management)	109	34		First batch – not completed the course of study	

59. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M. Com. (Master of Commerce)	20%	80%		
B. Com. (Bachelor of Commerce)	N.A. (students from Board of Higher Secondary Education and CBSE)			
B.B.M. (Bachelor of Business Management)	N.A. (students from Board of Higher Secondary Education and CBSE)			

60. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. For students with admission status active during the report period:
Nil

For passed out students who got the NET/SLET/GATE etc results during the report period:

S. No.	School Name	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SLET qualified	# qualified in other exams
1	ASA S Kochi	Commerce and Management	2					

61. Student progression

Student progression	Percentage against enrolled
UG to PG	10%
PG to M. Phil.	3%
PG to Ph.D.	2%
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	60%
• Other than campus recruitment	15%
Entrepreneurs	5%

62. Diversity of staff

Percentage of faculty who are graduates	
of the same university	7%
from other universities within the State	72%
from universities from other States	21%
from universities outside the country	NIL

63. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

S. No.	Name of faculty	Name of Advanced Degree (include specialization)	Month & Year of Passing
1.	Dr. A.S. Ambily	Ph. D. (Commerce)	May 2012

64. Present details of departmental infrastructural facilities with regard to:

- Library
The students and staff members of the department make use of the central library. However, there is a small departmental library with about 150 books.
- Internet facilities for staff and students
Internet facilities are provided to the students and staff and there is an e-library in the central library which can be accessed by all.
- Total number of class rooms
11 (eleven)
- Class rooms with ICT facility
All the eleven (11) class rooms are equipped with ICT facility
- Students' laboratories
The students of the department make use of the main computer lab in the slots allotted to them
- Research laboratories: NIL

65. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

S. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	K.G. Rajani	M. Phil. (Commerce)	Bharathiar University	Dept. of Commerce and Management, ASAS, Kochi Campus	Dr. MV Kamalaksi, Professor, ASAS, Kochi	Women Empowerment through Entrepreneurship
2.	Ambili S. Nair	M. Phil. (Mathematics)	Bharathiar University	Dept. of Commerce and	Dr. S. Venugopal,	Supply Chain Management (Inter –

				Management, ASAS, Kochi Campus	Professor, ASAS, Kochi	disciplinary)
3.						

b) from other institutions/universities

S. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	Sony Vijayan	ML		School of Legal Studies, Cochin University of Science and Technology (CUSAT)	Dr. A.M. Varkey, Professor (Rtd), School of Legal Studies, CUSAT, Kochi	Indian Law on Control of Pollution in Maritime Ports
2	K.V. Vijay Lakshmy	M. Com. (Finance)	Mahatma Gandhi University	Dept. of Commerce, Mahatma Gandhi University, Kottayam	Dr. Rajagopala Nair, Professor (Rtd.) St. Albert's College, Ernakulam	A Study on Total Quality Management in Collegiate Education at MG University and its affiliated Arts and Science Colleges.

66. Does the department obtain feedback from
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
Mutual discussions at the Departmental meetings amongst the faculty members are made.
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
Feedback from students are obtained periodically and based on that
67. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S.No.	Name of Expert Resource	Topic	Date	Number of participants
1	Sri. Prasanth R Nair, Vice Chairman (IT), Amrita Vishwa Vidyapeetham, Ettimadai	MIS and Applications	Feb. 7, SAT 2009	130
2	Ms. Shyama Sasidharan, Prime Time, Event Management	Event Management	Feb. 13, FRI 2009	250
3	Dr. M.C. Dileepkumar, Reader, Dept. of Commerce, The Cochin College, Kochi	Youth and Social Commitment	Feb. 13 FRI 2009	330
4	Dr. N. Ajithkumar, Professor, Marthoma College, Perumbavoor	How to prepare a Research Project	Feb. 14 SAT 2009	170
5	Sri. P.K. Aravindan, Director, Kuttukaran Institute of HRD, Kochi	Distinguished Lecture: Brain Utilisation	Feb. 16 MON 2009	360
6	Sri. Sreekumar, Senior Manager, ICICI Bank, Kochi	Practical Banking	Feb. 17 TUE 2009	300
7	Dr. Rajagopala Nair, HOD of Commerce, St. Albert's College, Ernakulam	Accounting for Managers	Feb. 17, TUE 2009	360
8	CA. Sudhir Babu K.B, FCA, Former Mg. Director, KSFE	Chit Funds as an Investment Avenue	Feb. 18 WED 2009	230
9	Sri. Chemmanam Chacko, Writer	Role of Humour as a corrective measure	Feb. 19, THU 2009	360
10	Sri. Brijesh, Head, Reliance Equity, Kochi	Financial Services	Feb. 20, FRI 2009	230
11	Sri. Santhosh Kumar, Junior Chamber International Trainer	Communicate to Excel	Feb. 24, TUE 2009	360
12	Dr. P. Vasantha Kumari, Reader in Commerce, N.S.S. College, Ottapalam	Introduction to Derivatives	Feb. 1, MON 2010	130
13	Sri. E. Madhavan	Managing the	Feb. 2,	350

	General Manager, Reserve Bank of India, Kochi Dr. V.K. Vijaya Kumar	Effects of Global Financial Crisis in India – Role of RBI	TUE 2010	
14	Professor of Economics and Renowned Orator, Sree Krishna College, Guruvayoor. Sri. Sebastian Pothampilly	India – An Emerging Economic Superpower: Challenges and Prospects	Feb. 4, THU 2010	350
15	General Manager, District Industrial Center Sri. Prasanth R Nair, Vice Chairman (IT), Amrita Vishwa Vidyapeetham, Ettimadai	Entrepreneurship Development	Feb. 5, FRI 2010	150
16	Sri. Ganesh Kumar Chief Manager, Indian Bank	Management Information System	Feb. 8, MON 2010	150
17	Smt. Geetha Anand Senior Branch Manager, United Indian Insurance Co. Ltd.	Is Core Banking a solution to all our banking problems?	Feb 20 SAT 2010	350
18	Dr. Rajagopala Nair Professor and HOD (Commerce), St. Alberts College. Sri. P. Santhosh Kumar,	Role of Intermediaries in the new scenario of Insurance Business	Feb 23 TUE 2010	150
19	National President, Junior Chamber International India	Science of Accounting	Feb 24 WED 2010	350
20	Sri. Prashant R Nair, Vice Chairman, IT, Amrita School of Engineering, Ettimadai Dr. Nithyananda Bhat, (Rtd. English Professor) Director, Sukriteendra Research Foundation, Kochi	Yes, We Can!	Feb 25 THU 2010	350
21	Dr. Rajagopala Nair, HOD, Commerce, St. Albert's College, Kochi	Supply Chain Management	Nov. 1 2010	150
22		Effective Communication	Nov. 2 2010	100
23		Economic Progress: A Comparative Study between India and China	Nov. 2 2010	350

24	Smt. Geetha Anand, Senior Manager, United India Insurance	Role of Intermediaries in the new scenario of Insurance business	Nov. 3 2010	150
25	Sri. KV Somanathan Pillai, Sr. Manager, Indian Bank Staff Training College Sri. Balachandran, management	Modern Trends in Banking	Nov. 4 2010	350
26	Consultant and Trainer, Junior Chamber International Dr. Mary Joseph, Dean, Bharat Mata Institute of Management, Thrikkakara, Kochi Prof. Sunanda Muraleedharan, Chairperson, Amrita School of Business, Kochi	Confidence Building and Interview Skills	Jan. 17, 2011	350
27	Dr. Mary Joseph, Dean, Bharat Mata Institute of Management, Thrikkakara, Kochi Prof. Sunanda Muraleedharan, Chairperson, Amrita School of Business, Kochi	Tools and Techniques of Social Science Research	Jan. 18, 2011	150
28	Sri. P Santhoshkumar, National President, Junior Chamber International	Raising Long Term Finance	Jan. 19, 2011	150
29		Different Dimensions	Jan. 20, 2011	350

68. List the teaching methods adopted by the faculty for different programmes.

- Lectures, assignments, seminars, quizzes and PPT presentations,
- institutional visits to observe the real-time operations,
- guidance for appropriate reference of a particular topics,
- corrections of the notes prepared by students, suggestions to improve etc.,
- case study,
- remedial coaching to weaker students

69. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The department ensures that programme objectives are constantly met and learning outcomes are monitored through:

- Feedback from the students
- Class committee meetings
- Performance of students in tests, quizzes, periodical examinations etc.
- Random checking by way of instantaneous questions
- Frequent departmental meetings and open discussions

70. Highlight the participation of students and faculty in extension activities.

Voluntary co-operation and involvement of majority of students (above 80%) in all the social welfare activities such as Amalabharatham, Sanskriti (an initiative of students and staff) etc. to fulfill Amma's desire, development of leadership and event management

capabilities.

71. Give details of “beyond syllabus scholarly activities” of the department:
Vidyamritam , extramural lecture series, industrial visits, seminars, tally certification course, CPT and cAT Examination coaching, spiritual interest created through lectures of qualified and eminent personalities, regular life skills coaching, frequent interactions with concerns officials and experts for creating awareness of traffic rules and regulations, cultural and art exchange, etc., kalamrita activities.

72. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

CPT, CAT coaching, Tally certification course, bridge courses for non commerce streams before the actual classes are started.

73. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength

- Amma’s blessings
- Dedicated, committed and co-operative faculty with teaching and industrial exposure
- Good library facilities with extended hours
- Good computer lab facilities with extended hours
- Smart class room facilities
- Good syllabus and curriculum
- Adequate transportation facilities for students and staff
- Good infrastructure
- Canteen
- Student store
- 90 – 95% placements
- Updations in knowledge levels of students and staff through sessions by experts from industry

74. Future plans of the department.

To grow the department as a nationally accredited research department.

Department of Visual Media and Communication

75. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Programme Name	Programme Duration	Student Intake	Start Date
1	M.J.MC.	2 yrs	22	July 2012
2	MFA (AAA)	2 yrs	34	July 2012
3	MFA (ACM)	2 yrs	13	July 2012
4	B.Sc. VM	3 yrs	120	July 2012
5	Ph.D.		2	

76. Interdisciplinary programmes and departments involved

Nil

77. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil

78. Details of programmes discontinued, if any, with reasons

S. No.	Programme Name	Year of discontinuation	Reason(s) for discontinuation
1	MFA (BJVP)	2012	To meet the needs of the industry, syllabus was remodeled as MJMC

79. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester- Choice Based Credit System

80. Participation of the department in the courses offered by other departments
N/A

81. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Actual
Professor		2
Associate Professors		
Asst. Professors		11
Others		

82. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
Dr. PP. Vijayalakshmi	Ph. D., M. A., PGCTE (CIFL, Hyderabad)	Professor	Teaching of English, Writing for Media	37	2

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
S. Jayaprakash	M.A.(Journalism and Mass Communication), M.H.R.M., M.A.(Literature), L. L. M. PG Diploma (Sanskrit), PG Diploma (Journalism and Mass Communication), M.Phil.	Professor	Mass Communication, Media Ethics and Law, Journalism	29	Nil
R. Sanju	M. F. A. (Visual Media), Advanced Diploma in Multimedia. Pursing Ph.D.	Asst. Professor	Videography, Audiography, Video Editing	8	Nil
B. Sonia Chellirian	M.Phil, Master of Hospital Administration, M.A. in English and Literature, PG Diploma in Environmental Journalism,	Asst. Professor	Drama, Educational Media	8	Nil
Geetha R. Pai	M. A., B. Ed., M. Phil	Asst.Professor	Literature and Communication	11	Nil
L. Vinod	M.F.A. (Applied Arts), UGC-NET(Visual Art), Diploma in Advanced Computer Arts. Pursing Ph.D.	Asst.Professor	Visual Art, Applied Art, Advertising, Art History, Aesthetics, Semiotic	9	Nil

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
			s		
Sunij S Nair	M.C.A, Arena Animation Academy Specialist Programmer	Asst.Professor	Web Programming, Video Game Production.	4	Nil
Vidya R	M. A. (Communication), M. Phil (Communication), Pursuing Ph.D.	Asst.Professor	Mass Communication and journalism, Media Analysis, Communication Research	7	Nil
T. Varun Prabha	M. F. A. (Visual Media), UGC-NET(Mass Communication and Journalism)	Asst.Professor	Video Production, Photography, Direction	4	Nil
M.A. Krishna kumar	M. F. A. (Visual Media)	Asst.Professor	Video Production, Photography, Direction	5	Nil
Smitha Nambiar	M.A. (Advertising & PR), Diploma in Business Management	Asst.Professor	Advertising, Public relations, Video/Film Production and Editing	3	Nil
Harikrishnan D.	M.F.A. (Visual Media), Advanced Diploma in 2D and 3D Animation	Asst.Professor	Motion Graphics, Visual Effects, Design Management, Photography	2	Nil

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
Dr.K.N.Aneesh	Ph. D. (Hindi), M. Phil, M. A., DCA	Asst.Professor	Hindi Drama, Communicative Hindi	5	Nil

83. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Note: Please provide details of date of appointment, courses taught, research projects executed, and any other contribution from the same. If the faculty are no longer with Amrita, mention the exit date. Provide in tabular form.

Name	Date of Appointment	Courses taught	Research projects executed	Date of exit
P.A.Appukkuttan	August 2005	Language Skill		
C.S.Jayaram	August 2008	Film Studies, Visual Arts, Short Film and Documentary, Language Skill		
Hari S Kartha	01/09/2005	Journalism		
Kumar Chellappan	2012	Journalism, Media Studies		
Radharamanan	June 2005	Videography and Photography		
P.J. Cherian	January 2006	Video Production		
Ramesh Ramakrishnan	2006	Audiography		
Manoj Sebastian	2006	Video Editing		
A.K.Haridas	2010	Typography		
Swaroop Kartha	2012	Copywriting		

Name	Date of Appointment	Courses taught	Research projects executed	Date of exit
Renjith S Nath	01/07/2006	2D Animation		15/01/2013
Sarath Chandran	16/10/2007	2D and 3D Animation		01/11/2011
Manoj Chandran	01/07/2006	Photography		01/05/2010
Shiju George	01/07/2010	Photography		01/08/2012

84. Percentage of classes taken by temporary faculty – programme-wise information

85. Programme-wise Student Teacher Ratio

S. No.	Programme Name	Programme Duration	Student Intake	Student Teacher Ratio
1	M.J.MC.	2 yrs	22	22:13
2	MFA (AAA)	2 yrs	34	34:13
3	MFA (ACM)	2 yrs	13	1:1
4	B.Sc. VM	3 yrs	120	120:13
5	Ph.D.		2	2:1

86. Number of academic support staff (technical) and administrative staff: sanctioned, and actual

Designation	Sanctioned	Actual
Asst. Manager (Graphics)		1
Developer (Visual media)		1
Asst. Instructor		1

Also, fill out information in the table below.

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2013	International Journal	1.	Title of the Paper: Authors: Name of the Journal: Month and Year of Publication: Volume No. Page No.	
		2.	Title of the Paper: Authors: Name of the Journal: Month and Year of Publication: Volume No. Page No.	

		3.		
	National Journal	1.	Title of the Paper: Authors: Name of the Journal: Month and Year of Publication: Volume No. Page No.	
		2.	Title of the Paper: Authors: Name of the Journal: Month and Year of Publication: Volume No. Page No.	
	International Conference (Proceedings)	1.	Title of the Paper: Authors: Name of the Conference: Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
	National Conference (Proceedings)	1.		
2012	National Journal		Title of the Paper: Swathantyothar Hindi Natakam meim Abhiviyakth Bharatiya Parivar Authors: Dr. K.N Aneesh Name of the Journal: Anusheelan Month and Year of Publication: January 2012 Volume No. V Page No. 82	
2012			Title of the Paper: Development through Akshaya Centres Authors: Vidya R Name of the Journal: Journal of media Studies Month and Year of Publication: Volume No. 1 Page No.	

87. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Note: Provide tabular data, with faculty name, designation, name of outside

institution, dates, theme of visit, and outcomes

L.Vinod was invited for Chitrakala Parishad Art Exhibition in Bangalore- 2008

88. Faculty serving in

e) National committees b) International committees c) Editorial Boards d) any other (please specify)

L.Vinod is the Honorary Reprographic Officer Saborno Sangrahalay Kolkata.

89. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions**

S. No.	School Name	Department Name	Programme Name	Dates: (DD/MM/YY to DD/MM/YY)	# Attendees**	Location / Venue
1	ASAS, Kochi	Organised by the School	Faculty Development Programme by Dr. Achyut Shankar S Nair, Director, Centre for Bioinformatics, Kerala University.	July 2008	Faculty members of the School	ASAS, Kochi
2	ASAS, Kochi	Organised by the School	Session on Values in Teaching by Dr. N. Gopalakrishnan, Scientist, Indian Institute of Scientific Heritage	December 23, 2011	All Faculty Members	ASAS Kochi
3	ASAS, Kochi	Organised by the School	One day Refresher session on Teaching and Research	May 28, 2011	All faculty members of the School	ASAS, Kochi
4	ASAS, Kochi	C I R	Two day workshop on Faculty Development – Communication	5 – 6 June 2012	All faculty members of the School	ASAS, Kochi

90. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
Students do projects as part of their curriculum
- percentage of students doing projects in collaboration with other universities /

industry / institute

Note: Department must maintain records of the projects.

91. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

92. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Name of the		S. Seminar / Workshop		Dates: (DD/MM/YY to		Number of	Source of	Seminar /
No.	organized by the	Department	DD/MM/YY)n	DD/MM/YY	n			
1.	National conference on Science Communication		From	To	Local			Outcome
			15/10/2012	16/10/2012	Within State	5		
					Outside State	1		
2.	National conference and workshop on Internet Advertising Design and Planning		03/10/2012	05/10/2012	Local			
					Within State	6		
					Outside State			
1	Script to Screen National Conference and workshop on Video Production		07/02/2012	11/02/2012	Within State	4		
2	Perspective-National Workshop on Visual journalism and Video Production		19/04/2011	20/04/2011	Within State	12		
3	Workshop on Environmental Film Making		24/02/2011	25/02/2011	Within State			

93. Code of ethics for research followed by the departments

94. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.J.MC.	76	14	7	First batch-	

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
				students are in the 3rd semester	
MFA (AAA)	40	12	7	100%	100%
MFA (ACM)	24	3	5	100%	100%
B.Sc. VM	71		37		97.5%

95. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.J.MC.	10%	86%	4%	
MFA (AAA)	25%	50%	25%	
MFA (ACM)	37%	37%	25%	
B.Sc. VM	N.A. (students from Board of Higher Secondary Education and CBSE)			

96. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

For students with admission status active during the report period:

S. No.	School Name	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SLET qualified	# qualified in other exams

For passed out students who got the NET/SLET/GATE etc results during the report period:

S. No.	School Name	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SLET qualified	# qualified in other exams
	ASA S Kochi	Visual Media and communication	1			5		

97. Student progression

Student progression	Percentage against enrolled
UG to PG	20%

Student progression	Percentage against enrolled
PG to M.Phil.	
PG to Ph.D.	50%
Ph.D. to Post-Doctoral	
Employed	60%
• Campus selection	40%
• Other than campus recruitment	
Entrepreneurs	

98. Diversity of staff

Percentage of faculty who are graduates	
of the same university	30.7
from other universities within the State	38.5
from universities from other States	30.7
from universities outside the country	0

99. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

S. No.	Name of faculty	Name of Advanced Degree (include specialization)	Month & Year of Passing
1.	Dr. K.N. Aneesh	Ph.D. (Hindi)	2012

100. Present details of departmental infrastructural facilities with regard to

- Library
- Internet facilities for staff and students – 48 Computers
- Total number of class rooms - 6
- Class rooms with ICT facility - 6
- Students' laboratories – 48 Computers
- Research laboratories – 9 Computers

101. List of doctoral, post-doctoral students and Research Associates

- from the host institution/university
- from other institutions/universities

S. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	R. Sanju	MFA	ASAS, Kochi/ Amrita Vishwa Vidyapeetham	Visual Media and Communication/ ASAS, Kochi/ Amrita Vishwa	Dr.PP.Vijayalakshmi/ Professor and Head/ ASAS, Kochi/ Amrita Vishwa Vidyapeetham	Science communication

				Vidyapeetham		
2.	L.Vinod	MFA Applied Art	RLV College/ M.G.University	Visual Media and Communication/ ASAS,Kochi/ Amrita Vishwa Vidyapeetham	Dr.PP.Vijayalakshmi/ Professor and Head/ ASAS,Kochi/ Amrita Vishwa Vidyapeetham	Ancient symbols that shaped the world
3.	Vidya R	M.Phil Communication	Dept.of Journalism and Communication, University of Madras	Dept. of Communication/ Bharatiyar University	Dr.Anuradha M. Assistant Professor, Department of Communication and Journalism, Periyar University	Gender Studies / Films

102. Does the department obtain feedback from

k. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. Discussions on curriculum, syllabus and teaching- learning -evaluation are done in staff meetings and necessary curriculum and syllabus changes are about in board of studies meeting.

l. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. The feedback is reviewed and if necessary appropriate corrective measures are adopted.

m. alumni and employers on the programmes offered and how does the department utilize the feedback?

103. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sl. No.	Name of Expert Resource	Topic	Date	Number of participants
1	Dr. Sarat Menon University of Houston, USA,	Local Media: agency for Global media	2013	215
2	Dr. Suneetha Krishnan , Eminent Social activist and Founder Director , 'Prajjwala'	Role and Security of Women.	2013	215
3	Sri. K. Goplakrishnan , CEO, Amrita TV	Value System of a Journalist	12th November 2012	46
4	Sri. G.P. Nair, Head , Technology, Amrita TV	Past, Present and Future of Broadcast	17th November	96

5	Sri. Manoj K. Das , Resident Editor, TOI, Kochi	Industry Niche Journalism	2012 2012 October 17th	96
6	Sri. Kumar Chellapan , Special Correspondent, The Pioneer, Chennai	Science Journalism	2012 October 17th	96
7	Sri. Sabu John , Bureau Chief, Deepika	Assembly Reporting	2012 October 17th	96
8	Sri. Antony John , Bureau Chief, Malayala Manorama	Sports Reporting and Journalism	2012 October 17th	96
9	Sri. V. S. Shine , Chief Photographer, Matrubhumi	Photo Journalism	2012 October 18th	96
10	Sri. Sajeev , Caricature artist	Cartoon Making, Salient features of the Art of Caricature.	2012 October 18th	215
11	Sri. T. C. Mathew , Associate Editor, Rashtra Deepika	Business Journalism	2012 October 18th	96
12	Smt. Poornima Sreekanth , FCI, Kochi	Jeans & Tees in Grey Cubicles - Exploring Creative & Communication Domains in the Corporate World	2012 October 18th	215
13	Sri. K P Madhu , Science Media Center, IISER, Pune	Science Communication.	2012 October 15th	215
14	Smt. Sudha Nambuthiri (Science Reporter, TOI, and Kochi.	The challenges of science reporting	2012 October 16th	215
15	Sri. Hareesh N Nampoothiri , Visual Design Consultant	Web Design.	2012 October 16th	215
16	Padma Shri Madhu , Veteran Actor	Invited Talk	2012	215
17	Dr. Manoj Shinde , Psychiatrist from Los Angeles	Indian culture to modern psychiatry	11 th January 2012	45
18	Sri. Madanan , Art Editor of Mathrubhumi	Drawing and Painting Lecture Demonstration	2012	150
19	Sri. T. Kaladharan , an eminent Sculptor, Painter, Secretary, Kerala Kalapeetham	Inaugural Talk Script-To-Screen National Workshop on Video Production	7 th February 2012	150
20	Sri. Prakash Babu , Regional	Media Marketing	22 nd	45

21	Manager - Sales and Marketing, Amrita TV Smt. Poornima Ramachandran, Sr. Technical Author at FCI Technology Services	E-Learning Services	February 2012 2 nd March 2012	150
22	Sri. Sajeew C. Warriar, Bureau Chief and Chief Reporter, Amrita TV	Bureau Operations	5 th March 2012	120
23	Smt. Swarupa Kartha, Creative Consultant for Adhere Communications	Women in Advertising	13 th March 2012	120
24	Dr. K. Ampady I.I.S., Dy. Director, Doordarsan, Thiruvananthapuram	Inaugural Talk Perspective - National Workshop on Visual Journalism and Video Production	2011	150
25	Sri. K.G. Jayan, Eminent Cinematographer	Inaugural Talk - 'Behind the Scenes' - National Conference and Workshop on Video Production Techniques for Advertising and Applied Art	16 th November 2011	150
26	Sri. T. Krishnan Unni, National Award Winner and Former Chief, Chitranjali Studio	Behind the Scenes (Audiography)	16 th November 2011	150
27	Sri. B. Ajith Kumar, National Award Winning Editor	Behind the Scenes (Editing)	16 th November 2011	150
28	Sri. Feroze Babu, World renowned Photography and Graphic Designing Expert	Behind the Scenes (Graphic Design & Photography)	16 th November 2011	50
29	Sri. Sankaran Namputhiri, Advertising and Web Technology Architect and Consultant, Chennai, Many group of students created wonderful visual advertisements in the workshop.	Behind the Scenes (Practical Workshop)	17 th November 2011	150
30	Dr. N. Gopalakrishnan, Director, Indian Institute of Scientific Heritage	Distinguished lectures on Indian culture and its greatness	19 th September 2011	150
31	Sri. Sunny Joseph, Cinematographer	Cinematography	2011	165
32	Sri. Manoj K. Das, Chief Editor, Deccan Chronicle	News Editing	2011	100
33	Sri. Deependra Dev,	Digital Animation	2011	100

	Creative Director, Aakar Digital Media Solutions (P) Ltd., Kochi			
34	Dr. S. Anil Kumar, Director of Public Relations, CUSAT	Public Relations	2011	165
35	Sri. Nimal, Manager Operations, MAA Communications BOZELL Ltd.	Advertising in Industries	2011	100
36	Smt. Sudha Nambudiri, Chief Sub-Reporter-Editor, The New Indian Express	Reporting	2011	165
37	Sri. Deepak Dharmadam, Senior Reporter, Amrita TV	Live Reporting	2011	48
38	Sri. Sooraj M. K., Animation Director, Toonz Animation India (P) Ltd.	Animation & VFX	2011	48
39	Smt. Swarupa Kartha, Creative Head, Jellitta Communications	Advertising	2011	48
40	Sri. Kumar Chellappan, Special Correspondent, Deccan Chronicle, Chennai	Web & Radio Journalism	2011	48
41	Sri. Sebastian Thenassery, Content Editor, Amrita TV	Live News Editing	2011	48
42	Ms. Nina Subramani, Film Director, Script Writer and Editor	Workshop on Environmental Film Making (The need for documentaries)	24 th February 2011	165
43	Mr. Reghunath Paleri, Renowned film director and script writer	Workshop on Environmental Film Making (Inaugural Talk)	24 th February 2011	165
44	Mr. Reghunath Paleri, Renowned film director and script writer	Script Workshop - Screenwriting classes, cinematography classes, studio classes, technical classes on editing tools, sound design classes etc	2011	165
45	Sri. J. Gopikrishnan, Sr. Reporter, Pioneer, New Delhi	Investigative Journalism	24 th January 2011	48
46	Dr. N. Gopalakrishnan, Director, Indian Institute of Scientific Heritage	Indian Culture, Ethos and Values in Life	23 rd September 2010	165
47	Sri. G.P. Nair, Technical Head - Engineering, Amrita TV	Different aspects of Video transmission and Studio Floor	2010	100
48	Sri. L. K. Leenus, Film Maker and Communication	A Director's Perspective	1 st Feb 2010	100

49	Professional Sri. A. Sahadevan, Chief Programme Executive, India Vision Channel	Film Scripting	1 st Feb 2010	48
50	Sri. Madanan, Chief Artist, Matrubhumi	Visual Arts - Lecture Demonstration	2 nd Feb 2010	165
51	Sri. Sunij. S. Nair, Web Developer	Relevance of Web in Industry	3 rd Feb 2010	100
52	Sri. Kumar Chellappan, Special Correspondent, Deccan Chronicle	Evolution of a Television Journalist	8 th Feb 2010	48
53	Smt. Swaroopa Kartha, Creative Head, Jellitta Communications	Brand War	11 th Feb 2010	48
54	Prof. I. Shanmugha Das, Lecturer in English, Sri C Achutha Menon Memorial Govt. College, Kuttanellloor	An Introduction to World and Indian Cinema	20 th Feb 2010	165
55	Sri. T. Unni Padmanabhan, Bird Photographer	Dimensions of Photography - Bird Photography	22 nd Feb 2010	165
56	Sri. Mohandas, Wildlife Photographer	Exploring Wildlife with a Camera	22 nd Feb 2010	165
57	Sri. Soorya Krishnamoorthy, Founder – Director, Soorya Festival	The Amrita Film Fest 2010 – Inaugural Talk	6 th Feb 2010	165
58	Dr. K. Ampady, IIS, Director (News), Doordarshan, Trivandrum	Mass Communication – Changing Perspectives	3 rd Feb 2010	165
59	Prof. K.C. Chithrabhanu, Professor and Art Historian	Form and Language of Indian Art	9 th Feb 2010	165
60	Prof. Vijayakumara Menon, Professor and Art Historian (Visiting Professor, Sree Sankara Sanskrit University, Kalady)	The Correspondence between Fine Art and Applied Art	10 th Feb 2010	165
61	Sri. Simon Britto, M.L.A. Kerala Assembly	The relevance of expanding the social forestry project to combat the global warming phenomena	16 th January 2010	165
62	Prof. Vijay Menon, the Eminent Management Consultant, Faculty of I.I.M. , Indore	Indian Culture and Values	2010	165
63	Sri. Kamal, Eminent Film Director	Kalamritam 2010 – Inaugural	27 th Jan 2010	165
64	Sri. Manoj K Das, Resident Editor, Asianet News Channel	Broadcast Media	2009	50
65	Dr. Sarath Menon, Professor	Media and Society	30 th July	50

	and Orator from the U.S		2009	
66	Sri. Vinod Kumar, Sri. K.V. Vincent, Sri. T.J. Varghese, Sri. P.K. Baburaj, Sri. Joshy Manjummel and Sri. Ambili Pravada	Group of Photography Experts	2009	50
67	Sri. G. Jayalal, Director General, All India Radio	Evolution and Renaissance of Broadcast Media	2009	50
68	Sri. G.P. Nair, Technical Head, Amrita TV	Technology Trends in Satellite Television	2009	50
69	Sri. L. Vinod, Lecturer, ASAS, Kochi, Artist and Media Consultant	Creative Trends in Contemporary Art and Advertising	2009	50
70	Sri. George Sebastian, Chief Operating Officer, Mathrubhumi Club FM	The role of FM in Broadcast Media	2009	150
71	Sri. Pramesh Kumar, Bureau Chief, MMTV	Reporting in national and regional channels	2009	150
72	Smt. R. Sreelekha, I.P.S., I.G. of Police, Managing Director, RBDC	Women and Social Justice	2009	150
73	Prof. B. S. Warriar, Retd. Joint DTE and Career Consultant	Communication Skills for Career success	2009	150
74	Sri. Manoj K.Das, Resident Editor, The New Indian Express, Kochi	Reporting Terrorist Strikes	2009	150
75	Sri. R. Premraj, Deputy Director, Films Division, Mumbai	Grammar of Film Language	2009	50
76	Dr. S. Anil Kumar, Director of Public Relations, CUSAT	Science Journalism: Charms and Challenges	2009	150
77	Dr. K. Ampady, Director - News, Doordarshan, Trivandrum	24 Hours News Channel Culture	2009	150
78	Sri. T. K. Rajeev Kumar, Film Director, Former Chairman, KSFDC	Significance of language in film	2009	150
79	Sri. Ram Menon, Executive Director, Impresario Event Management	Scope and Opportunities	2009	50
80	Sri. B. Sreejan, Senior Reporter, The New Indian Express, Trivandrum	Investigative Journalism : The present and future	2009	50
81	Sri. K. V. Kiran, Freelance Animation Consultant	Flowcharting or Pipeline maintenance in animation	2009	50
82	Sri. K. S. Midhun Kumar, Video Editor, Marine Biz	A prologue to Non-linear Editing	2009	50

	Channel			
83	Sri. T. N. Rajgopal, Former Creative Art Director, JWT Advertising Co.	Creativity in Advertising	2009	50
84	Sri. Satheesh Chandran, Asst. Station Director, AIR, Trivandrum	A doorway to the world of Radio	2009	50
85	Sri. Madhavan Ramakrishnan, Chief Executive Officer, D3V Games	How Indians will make the world play and get paid doing it?	2009	50
86	Sri. Rahul Raj, Renowned Music Director	Techniques in music	2009	50
87	Smt. Swaroopa Kartha, Creative Head, Jellita Communications	What do advertisements wash better-your clothes or your brains?	2009	50
88	Sri. Madanan, Chief Artist, Mathrubhumi Publications	Relevance of visual arts	2009	150
89	Sri. Ramesh Ramakrishnan, Sound Engineer, Amrita TV	Role of Audiography in visual media	2009	50
90	Smt. Shany Prabhakar, Correspondent, MM TV	Art of anchoring, presentation and live programming	2009	150
91	Sri. Mohandas, Wildlife Photographer	Capturing nature and Wildlife through a lens	2009	150
92	Sri. T. Unni Padmanabhan, Bird Photographer	Through the eyes of a photographer	2009	150
93	Smt. Sudha Nambuthiri, Science Reporter, The New Indian Express	Science Reporting with a news value	2009	50
94	Sri. K.G. George, Doyen of Indian Film Making and Chairman, Kerala State Film Development Corporation	Inaugural Talk - Documentary Film Workshop Amrita Docu-Fest '08'	2008	150
95	Prof. C.S. Jayaraman, President, Cochin Film Society	Film Appreciation Talk - Documentary Film Workshop Amrita Docu-Fest '08'	2008	50
96	Dr. K. Ambady, Director, News, Doordarshan, Thiruvananthapuram	Documentary Film Making: Creative Freedom and Alternative Film Language – Amrita Docu-Fest '08'	2008	150
97	Sri. P.J. Cherian, Chief Cameraman, Malayala Manorama Television	Demonstration class using 35 MM Professional Film Camera – Amrita	2008	50

98	Sri. R. Shyamaprasad, President (Programme), Amrita TV and Renowned Film Maker	Docu-Fest '08' Valedictory Talk - Documentary Film Workshop Amrita Docu-Fest '08'	2008	150
99	Prof. N.R. Menon	Youth and Community Outreach	2008	150
100	Dr. Lakshmi Shankar, Lecturer in Sanskrit, Sree Shankara Sanskrit University, Kalady	System of Education in the Upanishads	2008	150
101	Sri. L. Girish Kumar, Director, Sreepuram Tantrik Research Centre	The importance of values and tolerance in human lives	2008	150
102	Sri. C.S. Jayaraman, Retd. HOD, English Department, Sacred Heart College, Thevara	Frames of perception: Painting and Cinema	2008	150
103	Sri. L. Vinod, Guest Lecturer in Applied Arts, Govt. R.L.V. College, Tripunithura	Interpretation of Visuals – Language in Advertising	2008	150
104	Sri. Mohandas, Wildlife Photographer	Nature and Wild Photography	2008	150
105	Sri. C.N. Prakash, Regional Head, Amrita TV	Bureau Operations and Reporting in Visual Media	2008	50
106	Sri. Chandrasekharan, Senior News Editor, Amrita TV	Time and Visual Media	2008	50
107	Sri. S. Manikandan, Senior Film Associate Editor	Some experiences in Screenplay Writing	2008	50
108	Sri. K.M. Roy, Senior Journalist	Media and Democracy	2008	50
109	Sri. Neelan, Chief Executive Editor, Amrita TV	Words, Images and Meanings	2008	50
110	Sri. Feroz Babu, Senior Industrial Photographer	Digital Workflow	2008	150
111	Sri. Manoj K. Das, Deputy Resident Editor, The New Indian Express, Kochi	News Simulcasting	2008	150
112	Sri. K.U. Krishnakumar, Principal, Guruvayur Institute of Mural Painting	Mural Painting - Its Origin and Relevance	2008	150
113	Sri. A. Sahadevan, Chief Programme Executive, India Vision channel, Kochi	News Production	2008	150
114	Sri. Pradeep Gangadharan, Director, Brand ID, Kochi	Conceptualization in Advertising	2008	150
115	Sri. T. Unni Padmanabhan, Bird Photographer	Bird Photography	2008	150

104. List the teaching methods adopted by the faculty for different programmes.

- Lectures
- PowerPoint Presentations
- Group Discussions
- Multimedia Tools
- Outdoor classes for Photography and Videography
- Track and Trolley, Crane for Video Production classes
- Industrial Visits- studios, channels
- Visits to forest for photography classes
- Attending Press Conferences in Press Clubs
- Studio Classes for lighting, news anchoring, video production

105. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Student feedback
- Tests, quizzes and assignments
- Periodical exams
- Class Committee Meetings
- Departmental Meetings

106. Highlight the participation of students and faculty in extension activities.

- Amalabharatam
- Donation of cash and kind to orphanages
- Samskriti
- Sabarimala & Pamba Cleaning
- Social Service

107. Give details of “beyond syllabus scholarly activities” of the department.

- Vidyamritam
- Industrial Visits in studios, channels, newspaper production establishments
- Wild Life Photography classes
- Attending Press Conferences in Press Clubs
- Regular library visits

108. State whether the programme / department is accredited/ graded by other agencies?
If yes, give details.

No

109. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Based on the knowledge gained from the department, they have developed the creative ability to make advertisements, short films and documentaries focusing on social issues.

110. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- State of the art infrastructure (Audio, Visual studio, Computer Lab)
- Classrooms with PA & Multimedia Facilities
- Internships

- Excellent Placement Opportunities
- Faculty expertise in their respective fields
- Excellent Intradepartmental communication
- Healthy interaction with the student community
- Extra lectures

Weakness

- Time constraint to fulfill all the needs of media students

Opportunities

- The contemporary media scenario demands refurbishing existing knowledge level of faculty
- Changing trends in the industry makes changes in the syllabus mandatory

Challenges

- To make the students equipped for the industry
- Cultivating interest in research and thus to generate new knowledge.

111. Future plans of the department.

To create a cell to facilitate student research activity in tie up with international organizations.

XI. 'Unit cost' of education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component = **Rs. 51,895.98**

(b) excluding the salary component = **Rs. 31,313.01**

112. Provide details about the following:

Power Consumption and Generator Capacity:

Power Consumption: **38,500 units per billing cycle**

Generator Capacity - **125 KVA**

Road Facilities (Km):

Water treatment plant, etc.: - **Operating a Water Treatment Plant with a capacity of 3,00,000 litres per day.**

Amrita School of Arts & Sciences - Mysore

AMRITA SCHOOL OF ARTS AND SCIENCES - MYSORE
Evaluative Report of the Departments – Consolidated

1. **Name of the School:** Amrita School of Arts and Sciences
2. **Year of establishment:** Amrita Mahavidyalaya : 15/07/2003
Amrita Vishwa Vidyapeetham : 16/10/2006
3. **Is the Department part of a School/Faculty of the university?** If so, specify :
The School is a constituent school of the university – Amrita Vishwa Vidyapeetham
4. **Names of programmes offered** (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Programme Name	Programme Duration	Student Intake	Start Date
1	BCA	3 Years – 6 Semesters	120	2007
2	MCA	3 Years – 6 Semesters	60	2007
3	M.Sc(IT) <i>*Since there was less demand for the program, it was discontinued in 2010</i>	2 Years – 4 Semesters	40	2006
	M.Sc(CS)	2 Years – 4 Semesters	40	2010
4	BBM	3 Years – 6 Semesters	60	2007
5	B.Com	3 Years – 6 Semesters	60	2009
6	M.Com	2 Years – 4 Semesters	40	2012

5. **Interdisciplinary programmes and departments involved :** Nil
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
7. **Details of programmes discontinued, if any, with reasons**

S. No.	Programme Name	Year of discontinuation	Reason(s) for discontinuation
1.	M.Sc(IT)	2010	<i>MSc(IT) is Application Oriented and the demand for the programme came down considerably as a result of a global recession in IT field.</i>

8. **Examination System:** Annual/Semester/Trimester/Choice Based Credit System
Semester with Credit System

9. **Participation of the department in the courses offered by other departments:**

S No	Course Code	Course Name	Semester	Name of the Programme	Name of the Department

1	CSA102	IT for Managers	II	BBM	Management and Commerce
2	CSA209	Management Information System for Managers	IV	BBM	Management and Commerce
3	CSA112	Management Information System	II	BBM	Management and Commerce
4	CSA311	E-Commerce	V	BBM	Management and Commerce
5	CSA129	PC Software	I	B.COM	Management and Commerce
6	CSA195	PC Software Lab	I	B.COM	Management and Commerce
7	CSA132	Introduction to Programming	II	B.COM	Management and Commerce
8	CSA192	Introduction to Programming Lab	II	B.COM	Management and Commerce
9	CSA233	Visual Programming Using VB	III	B.COM	Management and Commerce
10	CSA295	Visual Programming Using VB Lab	III	B.COM	Management and Commerce
11	CSA238	Web Technologies & E-Commerce	V	B.COM	Management and Commerce
12	CSA294	Web Technologies & E-Commerce Lab	V	B.COM	Management and Commerce
13	CSA379	Information Systems – Assets	VI	B.COM	Management and Commerce
14	CSA493	Office Automation Lab	I	M.COM	Management and Commerce
15	CSA492	Information Systems Lab	II	M.COM	Management and Commerce
16	CSA507	IT Services Management	III	M.COM	Management and Commerce
17	CSA509	Management Information Systems & Audit	III	M.COM	Management and Commerce
18	CSA450	Database Management Services	VI	M.COM	Management and Commerce
19	CSA451	Business Integration Through ERP	VI	M.COM	Management and Commerce
20	HU282	Financial Accounting	II	MCA	Computer Science

21	MA381	Operations Research	III	MCA	Computer Science
22	HU481	Principles of Economics and Management	V	MCA	Computer Science
23	COM 102	Principles of Management and Accounting	V	BCA	Computer Science
24	ENG101	Communicative English	I	BCA/BBM/ B.Com	Computer Science and Management & Commerce
25	ENG102	Professional Communication	II	BCA/BBM/ B.Com	Computer Science and Management & Commerce
26	EN281	English for Professional Communication	I	MCA	Computer Science
27	COM 209	Business Correspondence	I	M.Com	Management & Commerce
28	HIN101	Hindi I	I	BCA/BBM/ B.Com	Computer Science and Management & Commerce
29	HIN102	Hindi II	II	BCA/BBM/ B.Com	Computer Science and Management & Commerce
30	KAN 103	Kannada I	I	BCA/BBM/ B.Com	Computer Science and Management & Commerce
31	KAN 104	Kannada II	II	BCA/BBM/ B.Com	Computer Science and Management & Commerce
32	SAN103	Sanskrit I	I	BCA/BBM/ B.Com	Computer Science and Management & Commerce
33	SAN104	Sanskrit II	II	BCA/BBM/ B.Com	Computer Science and Management & Commerce

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Actual
Professors		4
Associate Professors		Nil
Asst. Professors		11
Others (Lectures)		29

11. Faculty profile with name, qualification, designation, area of specialization,

experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M. Phil. students guided for the last 4 years
Mr. Vinayak Hegde	B.Sc, M.Sc (Software & Information System) CCNA, CCAI in JAVA, PGDSM	Asst. Professor & Systems Manager	Cloud, Semantic Web, Networking, Web Designing	9 Years	NA
Mr. Balamurugan	MCA	Incharge Chairperson	Software Project Management, Operating Systems	17 Years	
Ms. Kanchana V.	M.C.A, M Tech	Vice Chairperson	Distributed Database Systems, Business Intelligence	10 Years	
Mr. Santhosh Kumar B. J.	M.Sc (SIS), M.Tech	Lecturer	Networking, Operating Systems and Unix Shell and C	8.6 years	
Ms. Pallavi M.S.	M.S(Computer Cognition Technology)	Lecturer	Data Structure, Database Systems and C Programming	5 years	
Mr. Bipin Nair B.J.	MCA	Lecturer	Data Mining	3 years	
Ms. Pushpa B.R.	MCA	Lecturer	Operating Systems, Networking	3.6 years	
Mr. Sudharshan Duth P.	B. E, Pursuing M.Tech	Lecturer	Algorithms, Database, Computer Networks, Graphics & Web Designing.	4 years	
Mr. Ganesha K.	MCA	Lecturer	Computer Networks, Web Technologies	13 years	

Ms. Apoorva P.	M.Sc (CS)	Lecturer	C, C++, C#, .Net, HTML, Java.	2 years	
Mr. Shivakumar K. M.	M.C.A, M.Phil	Lecturer	Object Technologies / Artificial intelligence	9.3 years	NA
Ms. Chithra V. S.	MCA	Lecturer	C Programming, Operating system.	3 Years	
Ms. Suman S. P.	MCA	Lecturer	C, C++, Core Java, Software Engineering.	11.6 years	
Ms. Shruthi S.	M.Sc(CS)	Lecturer	Database Designing, Programming Language	2 Years	
Ms. Smitha Madhukar	MCA	Lecturer	Web Programming, C, C++, OOMD using UML, Software Engineering	7 Years	
Mr. Akshay S.	MS (CS)	Lecturer	Pattern Recognition, Algorithms, Java Programming	1 year	
Mr. Mahadevaswamy C.M.	MCA	Lecturer	OOPS, OS, C#, asp.net, Computer Networking	1.5 Year	
Ms. Shobharani N.	M.Sc(CS) Pursing PhD	Lecturer	Document Image processing and OCR Theory of languages and Automata ,Adv Data structures.	4.6 years	
Mr. Adwitiya Mukhopadhyay	M.Sc, MCSA (Messaging), n+, CCNA, RHCE, CWNA	Lecturer	Wireless/Sensor Networks	3.5 Years	
Ms. Akshatha Prabhu	MS	Lecturer	Database Management System	5 Months	NA

Ms. Deepadevi M.	BE, M.Tech(SE)	Lecturer	Java, J2EE	5.5 Years	
Mr. Manishankar S.	B.Tech, M.Tech(CSE)	Lecturer	Cloud Computing, Networking, .NET	1 Year	
Mr. Visveswaran Vaiyapuri	B.E, M. Tech (Geo-Informatics Under Center for Spatial Information Technology)	Lecturer	Data Mining and Warehousing	8 Years	
Ms. Jaya P.	B.Tech. M.E (Computer & Communication)	Lecturer	Data Structures	3 Years	
Sri Ranjini S.	MBA, M.Phil, PGDMM, HDSE Pursuing Ph.D	Assistant Professor & Chairperson	Human Resources	12 Years	
Jyothi A.N.	M.Com, M.Phil	Lecturer	Finance	8 Years 6 months	
Shalini Kumari Rawani	MBA	Lecturer	Finance & HR	7 Years 6 months	
Aravind H.G.	M.Com, MBA, PGDMM, Pursuing Ph.D	Lecturer	Finance & Marketing	4 Years	
Raghunandan M.V.	MBA, PGDBA Pursuing Ph.D	Lecturer	Marketing	5 Years 6 months	
Sandhya P.	MBA	Lecturer	Finance & Systems	4 Years	
SindhuShree M.V.	M.Sc	Lecturer	Mathematics	1 Year 9 months	
Manoj V.N.	M.Com, M.Phil, PGDIT, Pursuing Ph.D	Lecturer	Finance & Marketing	6 Years	
Vidya D. Avadhani	MBA	Lecturer	Human Resources	5 Years 8 Months	
Dr. Rekha Bhat	MA (English) Ph. D	Assisstant Professor	Linguistics / Indian writing in English	14 years	NA
Mrs. Shyamala B.G.	BSc, M A (Sanskrit), M A (Kannada)	Lecturer	Sanskrit	13 Years (9 Years in high school and 4 years in degree college)	

Mrs. Roopa V Sarathy	M.A (English) M.Ed	Lecturer	English Literature and Education	14 years	
Mrs. Harsha Urs	MA(Kannada) M.Ed	Lecturer	Kannada	1 Year in School and 2 years in B.Ed College	

12. List of **senior Visiting Faculty**, Fellows, adjunct faculty, emeritus professors
Note: Please provide details of date of appointment, courses taught, research projects executed, and any other contribution from the same. If the faculty are no longer with Amrita, mention the exit date. Provide in tabular form.

S No	Name	Date of Appointment	Programme	Courses Taught	Exit date
1	Mr. Chandrahasan R	27/07/2010	BCA/ BBM	Aptitude	20/12/2010
2	Prof. Paramashivappa	07/01/13	BCA/B.Com/BBM	Cultural Education	-

13. **Percentage of classes taken by temporary faculty** – programme-wise information

SNo	Name	Courses Taught	Programmes	Percentage
1	Mr. Lingaraju	Environmental studies	BCA	3%
2	Ms. Hamsashree	Fundamentals of Business Mathematics, Business Statistics and Operations Research	BBM/ B Com	3- 3.5%
3	Mr. Bharath M P	Hindi	BCA/ BBM/ B Com	3%

14. **Programme-wise Student Teacher Ratio**

Programme	Student Teacher Ratio
BCA	13 : 1
MCA	8 : 1
M.Sc(C.S)	5 : 1
M.Com	5:1
BBM	11:1
B.Com	8:1

15. **Number of academic support staff** (technical) and administrative staff: sanctioned, and actual

Designation	Sanctioned	Actual
Lab Instructors	-	4
System administrators	-	3
Administrative Staff	-	17

Designation	Sanctioned	Actual
Lab Instructors	-	4
Others- attenders	-	2

16. Research thrust areas as recognized by major funding agencies :

The efforts in this direction are being made. The thrust area is yet to be recognized. Research proposals have been submitted to the funding agencies (VGST and DST).

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:
NIL

18. Inter-institutional collaborative projects and associated grants received

d) National collaboration b) International collaboration

The possibilities are being explored.

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with

- state recognition
- national recognition
- international recognition

Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies :

Nil

22. Publications:

- * Number of papers published in peer reviewed journals (national / international) : 02

- * **Monographs : 01**

Dr. Amartya Sen (Kannada), a brief biographical sketch, Dr. Sridharamurthy L Prof. Dept of Management & Commerce, Vasantha Prakashana.
ISBN 93-3052-29-5

- * **Chapters in Books :**

Self instruction material on Advanced Java for BCA course offered by Indian Knowledge Corporation, Pune (Dept of Computer Science)

- * **Edited Books : 2**

- o *Applications of Data mining in Management of Metabolic & Degenerative Disorders*, ISBN No: 978-81-924442-0-4, Department of Computer Sciences.
- o *Managerial Challenges in Implementing AADHAR Programme in India*, Dept of Management & Commerce, ISBN 978-81-924422-4-2

- * **Books with ISBN with details of publishers:**

- o *Applications of Data mining in Management of Metabolic & Degenerative Disorders*, ISBN No: 978-81-924442-0-4, Department of Computer Sciences.

- o *Managerial Challenges in Implementing AADHAR Programme in India*, ISBN 978-81-924422-4-2, Dept of Management & Commerce
- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil
- * Citation Index – range / average : Nil
- * SNIP : Nil
- * SJR : Nil
- * Impact Factor – range / average : Nil
- * h-index : Nil

Also, fill out information in the table below.

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2012	International Journal	1.	Title of the Paper: Innovations in Services Delivery in rural Areas in India Authors: Sri Ranjini S. Name of the Journal: International Journal of Management Research & Review Month and Year of Publication: Jan 2012 Volume No: Volume – 2/Issue – 1/Article no. 14 Page No. 143 – 153	
		2.	Title of the Paper: Comparative Study of Entrepreneurship in emerging Economies & that of the US Authors: Sri Ranjini S. Name of the Journal: Excel International Journal of Multi Disciplinary Management Studies Month and Year of Publication: April 2012 Volume No: Volume – 2/Issue 4/ Article no 16 Page No. 181 – 187	
2012	International Conference (Proceedings)	1.	Title of the Paper: Employee Development Authors: Raghunandan M.V. Name of the Conference: Managing Human Resource at the Workplace Duration of the Conference: 2 days Name of the Organizer: Dept. of Business Management,SDMIMD, Mysore	

			Conference Venue: SDMIMD Mysore Page No: 100 Proceedings Published By: SDMIMD	
		2.	Title of the Paper: Security in Mobile computing and Integration of Mobile and Cloud Paradigms Authors: Ms. Smitha Madhukar Name of the Conference: Applied Sciences, Engineering & Technology Duration of the Conference: 2 Days Name of the Organizer: GITAM University, Hyderabad Conference Venue: GITAM University, Hyderabad Page No: 57 ISBN No:978-81-923724-2-6 Proceedings Published By: GITAM University	NA
		3	Title of the Paper: <i>Effective English Teaching Through Literature</i> Authors: Mr.Pavan B.P Name of the Conference: International conference on “ Emerging Trends in Teaching Language & Literature Duration of the Conference: 2 day Name of the Organizer: Alagappa University, Conference Venue: Karaikudi ,Tamil Naidu Page No: 59	
2012	National Conference (Proceedings) 1		Title of the Paper: Implication of Cloud Computing Course in Academics: Challenges and Risks: A case study Authors:Ms. Shruthi S., Mr. Vinayak Hegde, Ms. Pallavi M.S. Name of the Conference: Third National Conference on Advanced Computing Duration of the Conference: 1Day Name of the Organizer: D.J Academy for Management Excellence, Coimbatore Conference Venue: D.J Academy for Management Excellence, Coimbatore Page No:63-66	NA

	2	Title of the Paper: Data Migration on Cloud Computing: Challenges and Best Practices Authors: Ms. Pallavi M.S. ,Mr. Vinayak Hegde and Ms. Shruthi S. Name of the Conference: Advanced Computing (NCAC 2012) Duration of the Conference: 1 Day Name of the Organizer: D.J. Academy for Managerial Excellence Conference Venue: D.J. Academy for Managerial Excellence, Coimbatore Page No:125-129	NA
	3	Title of the Paper: Impact of Insulin Resistance Related Metabolic Disorders in Alzheimer's disease and Vascular Dementia – Prospective and Perspectives Authors: Dr. Sandhya Joshi Name of the Conference: Applications of Data mining in Management of Metabolic & Degenerative Disorders Duration of the Conference: 3 Day Name of the Organizer: Dept of Computer Science, Amrita Vishwa Vidyapeetham, Mysore Campus Conference Venue: Amrita Vishwa Vidyapeetham, Mysore Campus. Page No: 8 - 13 ISBN No: 978-81-924442-0-4	NA
	4	Title of the Paper: Cloud Computing in Health Care- Making the world a village Authors: Dr. Sandhya Joshi Name of the Conference: Applications of Data mining in Management of Metabolic & Degenerative Disorders Duration of the Conference: 3 Day Name of the Organizer: Dept of Computer Science, Amrita Vishwa Vidyapeetham, Mysore Campus Conference Venue: Amrita Vishwa Vidyapeetham, Mysore Campus Page No: 34 - 40 ISBN No: 978-81-924442-0-4	NA
	5	Title of the Paper: Temporal & Sequential Patterns in Data Mining(TSDM) Authors: Mr. Bipin Nair B.J. Name of the Conference: Applications of Data mining in Management of Metabolic & Degenerative Disorders Duration of the Conference: 3 Day	NA

		Name of the Organizer: Dept of Computer Science, Amrita Vishwa Vidyapeetham, Mysore Campus Conference Venue: Amrita Vishwa Vidyapeetham, Mysore Campus Page No: 68 - 72 ISBN No: 978-81-924442-0-4	
	6	Title of the Paper: Comprehensive Study of Most Influential Data Mining Algorithms for Medical Research Community Authors: Dr. Sandhya Joshi Name of the Conference: Applications of Data mining in Management of Metabolic & Degenerative Disorders Duration of the Conference: 3 Day Name of the Organizer: Dept of Computer Science, Amrita Vishwa Vidyapeetham, Mysore Campus Conference Venue: Amrita Vishwa Vidyapeetham, Mysore Campus Page No: 73 - 78 ISBN No: 978-81-924442-0-4	NA
	7	Title of the Paper: Phoneme Generation and its Role in Data Compression and Machine Learning Authors: Mr. Shivakumar K.M. ,Dr. Sandhya Joshi Name of the Conference: Applications of Data mining in Management of Metabolic & Degenerative Disorders Duration of the Conference: 3 Day Name of the Organizer: Dept of Computer Science, Amrita Vishwa Vidyapeetham, Mysore Campus Conference Venue: Amrita Vishwa Vidyapeetham, Mysore Campus Page No: 84 -87 ISBN No: 978-81-924442-0-4	NA
	8	Title of the Paper: A Prediction system for Alzheimer's diseases using CANFIS and Genetic Algorithms Authors: Dr. Sandhya Joshi, Mr. Shiva Kumar K.M. , Ms. Pushpa B.R. Name of the Conference: Applications of Data mining in Management of Metabolic & Degenerative Disorders Duration of the Conference: 3 Day Name of the Organizer: Dept of Computer Science, Amrita Vishwa Vidyapeetham, Mysore Campus Conference Venue: Mysore	NA

		Page No: 166 - 170 ISBN No: 978-81-924442-0-4	
	10	Title of the Paper: Load Balancing on cloud computing: Needs, Strategies, Polics, Challenges and Best Approach. Authors: Ms. Pallavi M.S., Mr. Vinayak Hegde , Ms. Shruthi S. Name of the Conference: National Conference held on Information and Communication Technologies(NCICT – 2012) Duration of the Conference: 1 day Name of the Organizer: Kongu engineering college, Perundurai Conference Venue: Kongu engineering college, Perundurai Page No:	NA
	11	Title of the Paper: The Contribution of open source technology for the Student community in higher education Authors: Ms. Shruthi S. , Mr. Vinayak Hegde, Ms. Pallavi M.S. Name of the Conference: National Conference held on Information and Communication Technologies(NCICT – 2012) Duration of the Conference: 1 day Name of the Organizer: Kongu engineering college, Perundurai Conference Venue: Kongu engineering college, Perundurai	NA
	12	Title of the Paper: Latest Trends and technologies in Enterprise Resource Planning Authors: Mrs. Dakshayini Name of the Conference:Computers, Communications and intelligence Duration of the Conference: 2 day Name of the Organizer: Velammal College of Engineering and Technology, Madurai. Conference Venue: Velammal College of Engineering and Technology, Madurai. Page No:	NA
	13	Title of the Paper: Organized Retail Sector – An Analysis for its Boom Authors: Sri Ranjini S.	ISBN; 978-93-5051-832-8

		Name of the Conference: National Conference on Retail Sector in India, Opportunities & Challenges Duration of the Conference: 1 day Name of the Organizer: Tumkur University , Tumkur Conference Venue: Tumkur University , Tumkur Page No: 245 Proceedings Published By: Himalaya Publishing House	
	14	Title of the Paper: Mazimizing Employee performance by means of PMS Authors: Sri Ranjini S. Name of the Conference: National Conference on HR at the Workplace Duration of the Conference: 2 days Name of the Organizer: Dept. of Business Management, SDMIMD, Mysore Conference Venue: SDMIMD, Mysore Page No: 66 Proceedings Published By: SDMIMD	ISBN:978-81-922146-0-3
	15	Title of the Paper: Incoporating Deming's Quality Model in Secondary Education Authors: Sri Ranjini S. Name of the Conference: National Conference on Universalisation of Secondary Education Prospects & Challenges Duration of the Conference: 2 days Name of the Organizer: ASED, Mysore Campus Conference Venue: Sudhamani Hall, ASAS, Mysore Page No: 321 - 328 Proceedings Published By: Amrita Vishwa Vidya Peetham	ISBN 978-81-924499-1-1
	16	Title of the Paper: Demographic Analysis of Factors Influencing in the Marketing of Life Insurance Products in India Authors: Laxman Rao Goranta Name of the Conference: New paradigms & prospective for Business Excellence Duration of the Conference: 1 day Name of the Organizer: Tumkur University , Tumkur Conference Venue: Tumkur University , Tumkur Page No: 75-84 Proceedings Published By: MG Enterprises	ISBN; 978-81-924393-6-5

	17	Title of the Paper: Mutual Funds Vs Life Insurance: Behavioral Analysis of Retail investors Authors: Laxman Rao Goranta Name of the Conference: National Conference on Retail Sector in India, Opportunities & Challenges Duration of the Conference: 1 day Name of the Organizer: Tumkur University , Tumkur Conference Venue: Tumkur University , Tumkur Page No: 122 Proceedings Published By: Himalaya P H	ISBN 978-93-5651-833-5
	18	Title of the Paper: Responsibility of Management Institutions of India in Creating Stable Corporations Authors: Laxman Rao Goranta Name of the Conference: Emerging Issues and Innovations in management Duration of the Conference: 1 day Name of the Organizer: Tumkur University , Tumkur Conference Venue: Tumkur University , Tumkur Page No: 254 Proceedings Published By: Himalaya P H	ISBN: 978-93-5097-182-6
	19	Title of the Paper: Problems faced by Aadhaar during the Implementation Authors: Raghunandan M.V. & Bhavana & Asha Babu Name of the Conference: Managerial Challenges in Implementing the Aadhaar Program in India Duration of the Conference: 1day Name of the Organizer: Dept of Management and Commerce, Amrita Vishwa Vidyapeetham, Mysore campus Conference Venue: Sudhamani Hall, ASAS, Mysore Page No: 226 Published By: Amrita Vishwa Vidyapeetham Mysore Campus	ISBN 978-81-924422-4-2
	20	Title of the Paper: Innovation and Product Development Authors: Raghunandan M.V.& Aravind H.G. Name of the Conference: Strategies for Managing in the New Normal Duration of the Conference: 3 days Name of the Organizer: Vishwakarma	ISBN No: 978-81-920768-3-6

		Institute of Management, Pune Conference Venue: Vishwakarma Institute of Management, Pune Page No: 64 Proceedings Published By: Vishwakarma Institute of Management	
	21	Title of the Paper: State Level Implementation – Progress and Problems in Implementing Aadhaar Authors: Shalini Kumari Rawani & Supritha Kulakarni & Akash balakrishnan Name of the Conference: Managerial Challenges in Implementing the Aadhaar Program in India Duration of the Conference: 1 day Name of the Organizer: Dept of Management and Commerce, Amrita Vishwa Vidyapeetham, Mysore campus Conference Venue: Sudhamani Hall, ASAS, Mysore Campus Page No:219 Proceedings Published By: Amrita VishwaVidyapeetham Mysore Campus	ISBN 978-81-924422-4-2
	22	Title of the Paper:Role of mean and standard deviation in optimising Aadhar Authors:Sindhushree M.V.& Akashay Name of the Conference: Managerial challenges in implementing Aadhaar Program in India Duration of the Conference:1 day Name of the Organizer: Dept of Management and Commerce, Amrita Vishwa Vidyapeetham, Mysore campus Conference Venue:, Sudhamani Hall, ASAS, Mysore Campus Page No:36 Proceedings Published By: Amrita Vishwa Vidyapeetham, Mysore campus.	ISBN 978-81-924422-4-2
	23	Title of the Paper: Budgetary Challenges of Aadhaar Authors: Sandhya P Name of the Conference: Managerial challenges in implementing Aadhaar Program in India Duration of the Conference:1 day Name of the Organizer: Amrita Vishwa Vidyapeetham Mysore Campus Conference Venue: Sudhamani Hall, ASAS, Mysore Campus Page No:114 Proceedings Published By: Amrita Vishwa	ISBN 978-81-924422-4-2

		Vidyapeetham, Mysore campus.	
	24	Title of the Paper: Culture & Society: Culture in a globalizing world Authors:.. Aravinda.H.G. Name of the Conference: National conference on Culture & Society: transformation Challenges & Strategies Duration of the Conference: 1 day Name of the Organizer: Department of studies & Research in Sociology & Centre for Rural Social Documentation, Tumkur University, Tumkur. Conference Venue: Tumkur University, Tumkur. Page No: 269 Proceedings Published By: Tumkur University	ISBN ; 978-93-82694-05-2
	25	Title of the Paper: Ethical values In Education System: Mapping For Excellent Future Managers Authors: Jyothi A. N. Name of the Conference: National Conference On Mapping For Excellence: Challenges Ahead Duration of the Conference: 1 day Name of the Organizer: Pioneer Institute of Professional Studies, Indore Conference Venue: Pioneer Institute of Professional Studies, Indore Page No: 58 - 61 Proceedings Published By: Pioneer Institute of Professional Studies, Indore	ISSN – 0974-8954
2011	26	Title of the Paper: ICT implementation for improving the qualitative measures in Library Information Services Authors: Mr. Vinayak Hedge Name of the Conference: National Conference on Managing College Libraries: Issues and Trends. Duration of the Conference:2 day Name of the Organizer: JSS College, Mysore Conference Venue: JSS College, Mysore Page No:	NA
2010	27	Title of the Paper: Webomatric Analysis for Enhancing the Teaching and Learning in Higher Education Authors: Mr. Vinayak Hegde, Ms Shruthi S. Name of the Conference:6th International Conference on Webomatrix, Infomatrix	NA

		and Scientometrics and COLLNET meeting Duration of the Conference: Name of the Organizer: University of Mysore Conference Venue: University of Mysore, Mysore Page No:72 Proceedings Published By: E-Copy	
	28	Title of the Paper: <i>Biometric Authentications for Information Security</i> Authors: Sri. Vinayak Hegde Name of the Conference: National Conference on role of Cryptography in Defence, DRDO Duration of the Conference: 1 day Name of the Organizer: Velammal Engineering College Conference Venue: Ambattur - Red hills Road, Surapet, Chennai	
	29	Title of the Paper: Scope of Research in Web Mining Authors: Ms. Geetha.N.C Name of the Conference: National Conference on Recent trends in computing Duration of the Conference: 1 day Name of the Organizer: Bannari Institute of Technology Conference Venue: Sathyamangalum, Tamil Nadu Proceedings Published By:	
	30	Title of the Paper: Enhancement of Library Services through Web 2.0 Authors: Sri.Vinayak Hedge Name of the Seminar: National level Seminar on Web based Library services Duration of the Conference: 2 day Name of the Organizer: JSS College for women Conference Venue: Mysore Proceedings Published By:	
2009	31	Title of the Paper: Automation of Braille Character Recognition Authors: Ms. Nirmala M.S. Name of the Conference: National Conference on Computational Mathematics and Soft computing Duration of the Conference: 1 day Name of the Organizer: Women's Christian College, Chennai Conference Venue: Women's Christian	NA

		College, Chennai Page No:120-126	
2009	32	Title of the Paper: An Approach on Ontology Building using Data mining. Authors: Mr. Mukunda H.S. Name of the Conference: National Conference on Computational Mathematics and Soft computing. Duration of the Conference: 1 day Name of the Organizer: Women's Christian College, Chennai Conference Venue: Women's Christian College, Chennai Page No:92-96	
	33	Title of the Paper: An Approach on Ontology Building using Data mining. Authors: Mr. Mukunda H.S. Name of the Conference: National Conference on Computational Mathematics and Soft computing. Duration of the Conference: 1 day Name of the Organizer: Women's Christian College, Chennai Conference Venue: Women's Christian College, Chennai Page No:92-96	

23. Details of patents and income generated

Nil

24. Areas of consultancy and income generated

Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Note: Provide tabular data, with faculty name, designation, name of outside institution, dates, theme of visit, and outcomes

Nil

26. Faculty serving in

f) National committees b) International committees c) Editorial Boards d) any other (please specify)

S. No	Faculty Name	National / International committee	Conference	Served as	Location/ Venue
1	Dr. Sandhya Joshi	IEEE 3 rd International conference, MLC 2011	Machine learning and computing	Peer Reviewer	Singapore
2		4 th IEEE International conference, IEEE	Computer Science and IT		Chengdu, China

		ICCSIT 2011			
3		2 nd International conference, ICVOE 2012	Electronics and Optoelectronics		Shenyang, China
4		Bio info editorial System	Journal of machine intelligence		-

27. **Faculty recharging strategies** (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions**

S. No	School Name	Department Name	Programme Name	Dates: (DD/MM/YY to DD/MM/YY)	# Attendees	Location / Venue
1	Amrita School of Arts and Sciences	Computer science	FDP on Web Applications	06/11/2008	06	ASAS Mysore
2	Amrita School of Arts and Sciences	CIR Mysore	A Workshop and FDP on communicative skills by Shiksha Training centre, Bangalore	10/07/2009 to 11/07/2009	23	ASAS Mysore
3	Amrita School of Engineering and CISCO networking academy	Computer Science and Engineering	National Level Conference "NETWAR Z-09"	23/10/2009	01	ASE Bangalore
5	Amrita School of Engineering, Ettimadai	Department of Mathematics,	National Conference on "Quality Improvement Concepts and their Implementation in Higher educational Institutions" (QICHEI)	11-12-2009 & 12-12-2009	03	Department of Mathematics, Amrita School of Engineering, Ettimadai
6	Amrita School of Engineering	Computer Science and	International Conference	22/12/2009 to 23/12/2009	03	ASE, Ettimadai

		Engineering	on Cloud Computing Smart Grid and Green IT			
7	Amrita Vishwavidyapeetham	Cultural Department	Workshop on Cultural Education	7/01/2010 to 8/01/2010	04	ASE, Ettimadai
8	Amrita School of Arts and Sciences	Computer Science	Workshop on Red Hat Linux	13/01/2010	10	ASAS Mysore
9	Amrita School of Arts and Sciences	Computer Science	A Seminar on opportunities and career path in Red Hat	17/01/2010	18	ASAS Mysore
10	Amrita School of Arts and Sciences	Computer science	One Day Workshop on Proposals, Research Methodologies and Publishing Papers	26/02/2010	27	Amrita Vishwa Vidyapeetham Mysore Campus
11	Amrita Vishwa Vidyapeetham Mysore Campus	Dept of Management & Commerce	FDP on Use of Technology in Pedagogy – Under Intel: Teach to the Future	27-12-2010 to 02-01-2011	16	Amrita Vishwa Vidyapeetham Mysore Campus
13	Amrita Vishwavidyapeetham	Computer Science and Engineering	Training on CISCO certified academic course	10/01/2011 to 13/01/2011	01	ASE, Ettimadai
14	Amrita School of Business	Dept of Management & Commerce	FDP on Cross Cultural & Change management & Leadership Transition	14/03/2011	01	Amrita School of Business
15	Amrita	Computer	Workshop	07/04/2011	17	Amritesh

	School of Arts and Sciences	Science	on Cloud Computing by Microsoft			wari Hall, Mysore
16	Amrita School of Arts and Sciences	Computer Science	Workshop on Cyber Security by Amrita Tifac Center for Excellence	08/04/2011	17	Amritesh wari Hall, Mysore
17	ASED, Mysore Campus	School of Education	Workshop On Creativity In Teaching	30/04/2011	02	ASED, Mysore Campus
18	Amrita Vishwa Vidyapeetham	Computer Science and Engineering	CISCO Networking Academy Retooling Workshop	29/07/2011	01	ASE, Ettimadai
19	Amrita School of Engineering	Computer Science and Engineering	ICMR Sponsored National Seminar on Data Mining and Knowledge discovery in Medical Data	01/07/2011	03	ASE Bangalore
20	Amrita School of Arts and Sciences	Computer Science	Technical Session on Data Mining and Data Warehousing	23/08/2011	17	ASAS Mysore
21	Amrita School of Arts and Sciences	Computer Science and ICTS	Faculty Development Programme on The Great Mind Challenge by IBM	07/09/2011	17	ASAS Mysore
22	Amrita School of Arts and Sciences	Computer Science and ICTS	Introductory talk on CCNA Courses by CISCO	24/09/2011	10	ASAS Mysore

23	Amrita Vishwa Vidyapeetham	Computer Science and Engineering	International Conference on Wireless Technologies	18/12/2011 to 21/12/2011	02	ASE, Amritapuri
24	Amrita Vishwa Vidyapeetham Amritapuri	Dept of Management & Commerce	Workshop on Social Entrepreneurship	30/12/11 to 01/01/12	02	Amrita Vishwa Vidyapeetham Amritapuri
25	Amrita School of Arts and Sciences	Computer Science and CIR	A session on Industry orientation and Emerging Technologies in IT Cloud computing and Parallel Computing	18/01/2012	01	ASAS, Mysore
26	ASAS Kochi Campus	Dept of Management & Commerce	National Conference on Empowerment of Women through Entrepreneurship	09/03/2012	01	ASAS Kochi Campus
	Amrita School of Arts and Sciences	Computer Science	National Conference on Applications of Data Mining in management of Metabolic and Degenerative Disorders ADMMD 2012	16/04/2012	20	ASAS, Mysore
27	Amrita School of Arts and Sciences	Computer Science	Technical Talk on Emerging Research	18/04/2012	16	ASAS, Mysore

			Trends in the Field of Computer Science			
28	Amrita School of Engineering	Computer Science and Engineering	FDP on “Computer Organization and Architecture, Problem Solving Techniques and Compiler Design”	9/07/2012 to 12/07/2012	02	ASE, Ettimadai
29	Amrita Vishwa Vidhyapeetham	Computer Science and Engineering	International Conference on Security of Internet of Things	17/08/2012 to 19/08/2012	03	ASE, Amritapuri
30	Amrita School of Arts and Sciences	Computer Science	Technical Session on Big Data	10/10/2012	16	ASAS, Mysore
31	ASED, Mysore Campus	Education	National Conference on Universalisation of Secondary Education Prospects & challenges	11/12/2012 to 12/12/2012	01	ASED, Mysore Campus
32	Amrita Institute of Computer Technology	Department of AICT	Training on Red Hat System Administration	4/01/2013 to 13/01/2013	01	AICT, Hyderabad
33	Amrita School of Engineering	Computer Science and Engineering	2 nd Amrita International Conference of Women in Computing (AICWIC) 2013	09/01/2013 to 10/01/2013	02	ASE, Ettimadai
34	Amrita School of	Computer Science	Two day workshop	18/2/2013 to	16	ASAS, Mysore

	Arts and Sciences		on Software Engineering – Requirement, Management	19/2/2013		
35	Amrita School of Arts and Science	Department of CS and IT	National Conference on Security Monitoring	15/02/2013	01	ASAS, Kochi
36	Amrita School of Arts and Sciences	Computer Science	Workshop on Project Development Life Cycle	09/03/2013	16	ASAS, Mysore
37	ASAS Mysore Campus	Dept of Management & Commerce	National Conference on Managerial Challenges in implementing the Aadhaar Program in India	26/04/2013	04	ASAS Mysore Campus

Participation of Amrita Faculty in Faculty Development Programmes conducted **by Other Institutions**

S. No	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants ***
1	Velammal College of Engineering, Dept. of Computer science and Applications	Chennai	National Conference on role of cryptography in defense. Title: 'Biometric Authentication for Information Security'	12/02/2009	01
2	Women's Christian College,	Chennai	National Conference on Computational	24/07/2009	03

			Mathematics and Soft Computing		
3	Bishop Cotton Women's Christian College, Bangalore	Bishop Cotton Women's Christian College, Bangalore	Workshop On Capacity Building Of Women Managers In Higher Education	27/07/2009 to 31/07/2009	02
4	SBRR Mahajana First Grade College	Mysore	Workshop on Accreditation : A New Methodology sponsored by NAAC	29/08/09	2
5	Infosys – Campus Connect	Mysore	Soft Skills Workshop	23/09/09	1
6	UGC Academic Staff college, University of Mysore	Mysore	FDP - Refresher Course in Management & Commerce	29-10-2009 to 18-11-2009	01
7					
8	Velammal College of Engineering	Chennai	National Conference on “Role of Cryptography in Defense”	12/02/2010	01
9	Amity Global Business School, Bangalore	Amity Global Business School, Bangalore	Faculty Development Program on Role of Teachers in Nation Building	14/02/2011	02
10	JSS College for Women	Mysore	National Level Seminar on Web Based Library Services	06/03/2010	01
11	Bannari Institute of Technology	Sathyamangalam, Tamilnadu	National Conference on Recent trends in Computing	20/03/2010	01
12	Velammal College of Engineering and	Madurai, Tamilnadu	Internal Conference on Computers, Communicatio	22/07/2010 to 23/07/2010	01

	Technology, Madurai		n and Intelligence.		
13	ASAS Mysore, Dept of English	ASAS, Amritapuri	Workshop on Updating Teaching Methods in English	12/07/10 to 13/07/10	2
14	ASAS, Mysore	Dept of Computer Science	Workshop on Proposals, Research Methodology and Publishing Papers	26/07/10	3
15	Sarada Vilas College of pharmacy	Mysore.	National conference on Alzheimer's Disease : Role of Herbal Pharmaco Therapy' 2011	22/06/2011 to 24/06/2011	03
16	Oxford College of Business Management, Bangalore	Bangalore	International Conference on Managerial Challenges in Contemporary Business	29-09-2011 to 30-09-2011	01
17	GT Enterprises, Hebbal	Mysore	One day seminar on "Wolfram Mathematica"	26/11/2011	06
18	JSS College of Arts, Commerce and Science	Mysore	Two Day National Conference on Managing Libraries	16/12/2011 to 17/12/2011	01
19	University of Mysore	Mysore	3 rd International Conference on Cognition and Recognition(IC CR)	9/12/2011 to 10/12/2011	01
20	SDMIMD, Mysore	Mysore	National Conference on HR at the Workplace	16/12/2011 to 17/12/2011	01
21	International School of Management Excellence	Bangalore	National Conference on Professional Values for Managers –	07/01/2012	01

			Curriculum to career		
22	Pioneer Institute of Professional Studies	Indore	National Conference on Mapping for Excellence Challenges Ahead	16/02/2012	01
23	Vishwakarma Institute of Management	Pune	National Conference on Strategies for Managing in the new normal	17/02/2012 to 19/02/2012	02
24	Institute of Public Enterprise	Hyderabad	National Conference on Best Practices in HR Sustainability	23/02/2012 to 24/02/2012	01
25	Sri Shankar Arts and Science College	Enattur, Kanchipuram	National Seminar on Trends in Contemporary Literature and Language Studies	08/02/12 to 09/02/12	2
26	DJ Academy for Managerial Excellence	Coimbatore	Third National Conference on Advanced Computing	03/03/2012	03
27	Nimhans Convention Center	Bangalore	Workshop Cum Business Exhibition on Cloud Connect	24/05/2012	01
28	Tumkur University Tumkur	Tumkur	National Conference on New paradigms & prospective for Business Excellence	04/08/2012	01
29	Tumkur University Tumkur	Tumkur	National Conference on Retail Sector in India, Opportunities & Challenges	25/08/2012	02
30	Agricultural University	Dharwad	8 th Kannada Vignana Sammelana	16/09/2012	01
31	National Institute of	Mysore	Workshop by Microsoft	17/10/2012	02

	Engineering		“Opportunity to Leverage Technology to Support your Business Goals”		
32	Banaras Hindu University	Vanarasi	International Conference on Marketing Paradigms in Emerging Economies	04/12/2012 to 05/12/2012	01
33	SDMIMD, Mysore	Mysore	International Conference on Managing Human Resource at the Workplace	13/12/2012 to 14/12/2012	01
34	Tumkur University Tumkur	Tumkur	National Conference on Emerging issues & innovations in Management	31/10/2012	01
35	Department of Computer Science, University of Mysore	Mysore	One day State Level Seminar on Emerging Trends in Computer Technology	29/12/2012	03
36	Geetam University	Hyderabad	2 nd World Conference on Applied Science, Engineering and Technology (WCSET) 2013	09/03/2013	01
37	Sri Jayachamarajendra College of Engineering	Mysore	Two-Week ISTE Workshop On Database Management Systems	21/05/2013 to 31/05/2013	04
38	Tumkur University Tumkur	Tumkur	National Conference on Culture & Society: Transformation challenges &	08/12/2013	01

			strategies		

***Attach separate list of faculty names, designations, and department/school names.

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects:
Dept of Computer Science:
In-house projects and Inter-departmental projects – 25 % and Industry – 75%
Dept of Management & Commerce:
BBM and B Com – 100% in- house projects
M Com – Internship with companies
- percentage of students doing projects in collaboration with other universities / industry / institute
Nil

29. Awards / recognitions received at the national and international level by

- Faculty
 - Doctoral / post doctoral fellows
 - Students
- Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S. No	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants	Source of Funding	Seminar / Workshop Outcome
1.	Red Hat Linux Workshop	13/01/ 2009	150	-	Awareness and knowledge of Red Hat Linux - RHCE course
2	Workshop and a live demo on 'Red Hat Linux'	20/01/ 2010	150	-	Awareness on Red Hat Linux'
3	One day Workshop on Proposals, Research Methodologies and Publishing papers and on Basics of PC, Hardware & Networks.	26 /02/2010	80	-	Awareness on the various Research Methodologies and procedure to Publish papers
4	A seminar on opportunities and Career	17/01/2011	160	-	Awareness on different career opportunities in

	Path in Red Hat				the field and Red Hat certification.
	3- day National Conference on Applications of Data Mining in Management of Metabolic and Degenerative Disorders	16/4/2012 to 18/4/2012	202	Sponsored by Indian Council of Medical Research (ICMR) and CSI	Awareness on Applications of Data Mining in Management of Metabolic and Degenerative Disorders
	Two day workshop on “Software Engineering – Requirement, Management”	18/02/2013 to 19/02/2013	15	-	Awareness of Software Engineering – Requirement, Management
5	one day National Seminar on Managerial Challenges in Implementing Aadhaar Program in India	26/04/2013	Local- 35 Within State- 05 Outside State- 03	Management	It was a very enriching experience. Gave awareness to the common people while providing a platform for the informed citizens to share their views. The seminar brought out the possible advantages, managerial challenges and shortcomings in the implementation of Aadhaar Programme.

31. Code of ethics for research followed by the departments

The emphasis of the Departments have always been to identify, promote and encourage socially relevant and contemporarily important management and commercial issues.

32. Student profile programme-wise:

Year 2008-09

Name of the Programme (refer to question no. 4)	Applications received	Selected Male	Selected Female	Pass percentage Male	Pass percentage Female
BCA	246	73	69	99%	100%

Name of the Programme (refer to question no. 4)	Applications received	Selected Male Female	Pass percentage Male Female
MCA	44	24 20	100% 100%
M.Sc (IT)	36	6 15	100% 100%
BBM	82	69 30	100% 100%

Year 2009-10

Name of the Programme (refer to question no. 4)	Applications received	Selected Male Female	Pass percentage Male Female
BCA	84	23 05	100% 100%
MCA	44	24 20	99% 100%
M.Sc(IT)	13	3 7	100% 100%
BBM	75	16 12	68.75% 100%
B.Com	20	9 2	87% NA

Year 2010-11

Name of the Programme (refer to question no. 4)	Applications received	Selected Male Female	Pass percentage Male Female
BCA	106	82 44	90.90% 100%
MCA	48	24 24	95.83% 100%
M.Sc(C.S)	34	8 14	100% 100%
BBM	66	39 11	92% 100%
BCom	29	21 2	95% 100%

Year 2011-12

Name of the Programme (refer to question no. 4)	Applications received	Selected Male Female	Pass percentage Male Female
BCA	163	100 45	90.90% 100%
MCA	77	42 32	95.83% 100%
M.Sc(C.S)	24	15 7	100% 100%
BBM	69	38 23	86.6% 100%
BCom	55	33 16	100% -

Year 2012-13

Name of the Programme (refer to question no. 4)	Applications received	Selected Male Female	Pass percentage Male Female
BCA	182	89 48	51.28% 90.90%
MCA	74	23 32	91.66% 96.29%
M.Sc(C.S)	47	21 13	85.71% 100%
BBM	86	52 14	94.28% 100%
BCom	75	39 15	89.47% 100%
MCom	44	18 19	Pursuing

33. Diversity of students
Year 2008-09

Name of the Programme (refer to question no. 4)	% of students from the same state	% of students from other State	% of students from other countries
BCA	39.69%	54.96%	-
BBM	30.76%	67.69%	-
MSc (IT)	50%	50%	-
MCA	2.43%	97.56%	-

Year 2009-10

Name of the Programme (refer to question no. 4)	% of students from the same state	% of students from other State	% of students from other countries
BCA	50%	50%	-
BBM	34.61%	65.38%	-
MSc (IT)	-	100%	-
MCA	2.43%	97.57%	-

Year 2010-11

Name of the Programme (refer to question no. 4)	% of students from the same state	% of students from other State	% of students from other countries
BCA	44%	56%	-
BBM	21.27%	78.72%	-
BCom	52.38%	47.61%	-
MSc (CS)	50%	50%	-
MCA	37.73%	62.26%	-

Year 2011-12

Name of the Programme (refer to question no. 4)	% of students from the same state	% of students from other State	% of students from other countries
BCA	45.7%	54.2%	-
BBM	33.3%	66.6%	-
B Com	33.3%	66.6%	-
MCA	47.6%	52.3%	-
MSc	45%	55%	-

Year 2012-13

Name of the Programme (refer to question no. 4)	% of students from the same state	% of students from other State	% of students from other countries

Name of the Programme (refer to question no. 4)	% of students from the same state	% of students from other State	% of students from other countries
BCA	40.8%	59.16%	-
BBM	31.9%	68.08%	-
B Com	25%	75%	-
MCA	59.7%	40.27%	-
M Com	84.6%	15.4%	-
M Sc	48.27%	51.72%	-

34. **How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations?** Give details category-wise.

For students with admission status active during the report period:

S. No.	School Name	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SLET qualified	# qualified in other exams
1.	Amrita School of Arts & sciences	Management & Commerce	NA	NA	NA	32	NA	12

All PG students for the last three batches have been placed in MNCs and most UG (BCA) students continued their higher studies. Therefore NET/SLET exams are not taken as relevant.

35. Student progression

Student progression		Percentage against enrolled		
UG to PG				
Year 2011-12		59%		
Year 2012-13		30%		
PG to M. Phil		NA		
PG to Ph.D.		NA		
Ph.D. to Post-Doctoral		NA		
	Programme	Number of Students Eligible	Number of Students Placed	Year And Percentage
Employed • Campus selection	MCA	38	38	2011, 100%
	M.Sc (IT)	1	1	
	MCA	28	28	2012, 100%
	M.Sc (CS)	15	15	
	MCA	41	41	2013, 100%

Student progression	Percentage against enrolled			
	M.Sc (CS)	5	5	
Other than campus recruitment	50%*			
	*BCA Students - about 50% opt for higher education			
Entrepreneurs	20%			

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	2.%
from other universities within the State	68%
from universities from other States	30%
from universities outside the country	Nil

37. Number of faculty who were awarded M. Phil, Ph.D., D.Sc. and D.Litt. during the assessment period

S. No.	Name of faculty	Name of Advanced Degree (include specialization)	Month & Year of Passing
1.	Ms. Sandhya P Joshi	Ph.D – Data Mining	April 2012
2.	Mrs. Rekha Bhat	Ph. D - Indian English Writing	January, 2011

Note: Four faculty members have completed M.Tech and one faculty member is pursuing M.Tech

38. Present details of departmental infrastructural facilities with regard to

a) Library

The College has well equipped library with both core and domain specific books, e-books and national and international journals. Along with this the individual departments also maintains a small collection of books for quick reference.

b) Internet facilities for staff and students

6 Mbps Leased Line

c) Total number of class rooms

19

d) Class rooms with ICT facility

6 classrooms are ICT enabled. Facility to use the required technology is extended to UG classrooms as per requirement

e) Students' laboratories

05

f) Research laboratories

Nil

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

b) from other institutions/universities

a) from the host institution/university : 2 faculty members pursuing Ph D

b) from other institutions/universities : 6 faculty members pursuing Ph D

S. No	Name of the Research Scholar	Previous Highest UG/ PG Degree with Specialization	Name of the College/ University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	Ms. Shobharani N.	MSc (Computer Science)	Sri Venkateshwarra University, Tirupati	University of Mysore, Maharaja Research Foundation, MIT, Mysore	Dr. T. Vasudev, Professor, Maharaja Research Foundation, MIT, Mysore	Enhanced Framework for preprocessing and character recognition suitable for Telugu Documents
2.	Mr. Adwitiya Mukhopadhyay	MSc (Computer Science)	Bharathidasan University	Department of CSE, Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Amritapuri	Dr. Maneesha V. Ramesh Associate Professor Director of Amrita Center for Wireless Networks and Applications	Heterogeneous Wireless Networks
3.	Mr. Shivakumar K. M.	MCA	VTU	Dept. of CSE, Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Bangalore	Dr. Deepa Gupta Assistant Professor (Sr. Gr.), Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Bangalore	Natural Language Processing
4.	Ms. Sri Ranjini S.	MBA	IGNOU	Bharatiar University	Prof. Narasimha Professor PES College	Knowledge Management

					Mandya	
5.	Ms. Jyothi A.N.	M.Com	KSOU	Bharatiar University	Dr. Santhos Kumar, SJC Mysore	Human Resource Management
6.	Mr. Raghunandan M. V.	MBA	Magnus School of Business, Punjab Technical University	Bharatiar University	Dr. Dinakar HOD, Dept. of Management, Rajarajeshwari School of Management	Marketing Segmentation in Retail Sector
7.	Mr. Manoj V. N.	M Com (Finance) M Com (Marketing)	Calicut University Madurai Kamraj University	B.R. Ambedkar University, Bihar	Dr. Gavay HOD, Dept of Commerce University College, Bihar	Perception of Customers towards Chit Funds.
8.	Mr. Aravinda H. G.	MBA	Pooja Bagavath Mahajana P. G. Centre University of Mysore	B.R. Ambedkar University, Bihar	Dr. Ram Yadav Professor, Dept of Commerce, University College, Bihar	H R Practices in Educational Institutions

40. Number of post graduate students getting financial assistance from the university.
Nil
41. **Was any need assessment exercise undertaken before the development of new programme(s)?** If so, highlight the methodology.
- a. Introduction of M Sc (CS) in place of M Sc (IT)**
The School proposed to change from M.Sc(IT) to M.Sc(CS) , as it was observed that MSc(IT) is Application Oriented and the demand for the programme came down considerably. As a result the number of aspirants for the programme drastically came down. A quick market survey and the efforts made by the school to place the students proved that the demand for IT field was coming down.
On the other hand it was noticed that MSC(CS) is more subject and concept oriented towards research and the absorption possibilities were found to be comparatively better.
- b. Introduction of B Com and M Com:**
After a thorough survey of student inclination towards different streams of studies done in 2012, it was found that Commerce is one of the much sought after Courses in Mysore.

Further, it was observed from the survey that all the established colleges in Mysore offer B.Com program and the colleges offering M.Com were only 7 in number.

The demand for M.Com in Mysore is considerably increasing and there had been enough aspirants from the last two academic years, enquiring about M.Com. It was noted that since the potential feeder colleges are many (more than 25) and we have our own students of B.Com & BBM inclined to continue their studies in Commerce stream, starting M.Com in the campus appeared feasible.

A proposal to the Academic Council for permission to start the program was submitted. The academic council granted the permission to start the program with the initial intake of 40 students.

42. Does the department obtain feedback from

- n. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The curricula and syllabi are revised once in every three years. Faculty members of the department provide their view on curricula through the Board of Studies members in the Department.

Course teachers' views on course contents are considered seriously while making any change/ correction / upgradation during the revision as they know the ground reality.

- o. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

The feedback questionnaires administered midcourse after 5 weeks of commencement of the class by the School gives valuable feedback to each faculty member. This is reviewed by the Principal and the strengths and the areas of improvement are communicated to the concerned faculty member in the presence of Chairperson and Academic Coordinator. The required support is provided to the faculty members especially to the new recruits to improve their teaching strategies.

Every 'semester' each class of every programme will have two class committee meeting at the beginning of the semester with its members as, the Heads of the department, all the teachers teaching various courses (including those from other department), two student representatives (generally one boy and one girl) nominated by the head of the department in consultation with the faculty advisors and a senior faculty member of the department who is not teaching that class. This practice provides the students with a chance to address the issues transparently. The outcome of the meeting helps in the smooth flow of the academics.

- p. alumni and employers on the programmes offered and how does the department utilize the feedback?

The Department/ School maintains a good rapport with the alumni. The interaction of the faculty with the alumni members who are well placed often brings out the suggestions from the alumni for improvement.

Industry experts from the field of Computer Science and eminent academicians on our Board of Studies and their feedback on the curriculum and syllabi helps in revising the curriculum and syllabus as per the industry standards in line with the current trend.

43. List the distinguished alumni of the department (maximum 10)

The School has seen only three batches of students passing out. Most of the UG passed out students are either still studying or just employed. The PG passed out

students are all well placed.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S. No.	Name of Expert Resource	Topic	Date	Number of participants
1	IBM Academic Initiative Member, Mr. Mohammad M. Siddique.	Strategies for Software Development	22/09/2008	170 - BCA, MCA and III Semester M.Sc. students
2	Mr. Avinash Joshi, Sun Campus Ambassador, Sun Microsystems Inc.	Student Awareness program Rational Rose	30/09/2008	150 - BCA, MCA and M.Sc. students
3	IBM	Presentation on TGMC-09, and advantages of participating in TGMC contest	09/09/2009	200
4	RED HAT Company	Red Hat Linux Workshop	13/01/2009	150
5	Dr. Shantikumar Nair, Ph.D, Columbia University, New York, Dean and Director of Amrita Center for NanoSciences, Amrita Vishwa Vidyapeetham, Kochi., Dr. Raghuv eer K., M.Tech, (Indore).	One Day Workshop on Proposals, Research Methodologies and Publishing papers	26/02/2010	10
6	Amel Mathai, Technical consultant, Global Learning Services, Red Hat India	Features of Open Source Operating System over proprietary Operating System".	20/01/2010	160
7	Shanthi Kumar V Nair, Kochi Campus and Dr. K. Raghuv eer, Prof and HOD- IS Department NIE Mysore	A workshop on Proposal, Research Methodologies and Paper Publications.	26/02/2010	10
8	Mr. Amel Mathai, Technical Consultant, Red Hat India,	A seminar on opportunities and Career Path in Red Hat.	17/01/2011	245
9	Br. Manoj, an ardent disciple of Mata Amritanandamayi Devi.	'Life and its Values'.	18/01/2011	180
10	Mr. Ranjith Kizhakke	IT major	7/4/2011 and	150

	Palam, Technical Consultant with Microsoft Global Partner Services, Prof. Sethumadhavan, Head, Amrita TIFAC Center for Excellence, Mr. Prashanth Nair	Microsoft conducted a two day workshop on Cloud Computing and Cyber Security, Various other aspects of Cyber Security	8/4/2011	
11	Mr. Farooq Ahmed Shareeff, Sales manager, Net Hamlet	Life Insurance	24/08/2011	21 students
12	IBM Academic Initiative Team (TGMC)	Talk on latest IBM Tools and Technologies	07/09/2011	100
13	Mr. Sreekumar Vobugari - Principal, Education and Research, Infosys, Mysore	Delivered a talk on <i>Big Data</i> .	10/10/2011	120
14	Mr. Abay, Trainer, HDFC Life	Life Insurance	17/10/2011	21 students
15	Ms. Ayesha, Center Head, Tally Solutions Mysore	An Introductory Talk on Tally	19/01/2012	65 students
16	Mr. Dharmaraj, Associate Vice President, Everonn Education Pvt. Ltd., Chennai	Seminar on Software development and Infrastructure Management	20/01/2012	65
17	Mr. Kranthi Raj, Faculty, Finance, SBRMC, Mysore	Basics of Stock Exchange	28/01/2012	65 students
18	Mr. Rajendra Prasad, DCP, Mysore	Educating Road Users – Traffic Awareness program	01/02/2012	95 studentns
19	Mr. Nagachandra Director, Tally Academy	Importance & Benefits of tally	20/02/2012	65 students
20	Mr. Srinivasan C , Project Director – Indian Green Service & Consultant, SLRM	Garbage to Gold, Zero waste Management Programme	24/02/2012	95 students
21	Dr. K.P. Soman, Amrita Vishwa Vidyapeetham	Computer Imaging	16/04/2012	100
22	Mr. Abhay Bhargav, CTO, and Mr. Rahul Raghavan Vice President WE45 Solutions India Pvt. Ltd., Bangalore	Technical talk on Information Security	29/02/2012	65
23	Mr. Varuna Eswar, Founder and CEO,	Technical talk on Open Source	06/03/2012	65

	Eudaemonic Systems, Mysore	Operating Systems		
24	Mr. Ravi Pulugura, CEO, Nextwhat.com	Seminar on Android Operating System	13/06/2012	65
25	Ms. Rajathi, coporate Trainer, Everonn Education Pvt. Ltd., Chennai	Technical Talk on Software Testing	20/06/2012	65
26	Mr. Sudhakar, Director, Prime Academy	Importance of higher education, like CA, CS & ICWA	05/07/2012	95 students
27	Br. Vivekamrita Chaitanya	Importance of value based education	22/09/2012	125 students
28	Br. Manoj	Importance of Values in our life	16/10/2012	125 students
29	Mr. Pravin Patkar & Mrs. Priti Patkar , Social Workers	Anti - Human Trafficking	17/10/2012	125 students
30	Br. Dhyanamrita Chaitanya	Purpose of Life & Living	22/10/2012	125 students
31	Br. Janardhan	Demonstrates & Conducted a session on IAM technique	02/11/2012	125 students
32	Mr. Alur, Sub Divisional Engineer, RTTC, Mysore	A seminar on Data Communication and Networking	29/01/2013	120
33	Mr. Alur, Sub Divisional Engineer, RTTC, Mysore	A seminar on Mobile Communication	11/02/2013	90
34	Jabin A. Rahman Area Development Manager, Inotech Pvt Ltd, Chennai	Career Options in Accounts & Finance, E-filing procedures	13/02/2013	125 students
35	Prof. Srinivas Shetty, Former HOD of Commerce, St. Philomena's College	Regional Rural Banks	13/03/2013	48 Students
36	Prof. Sridhara Murthy L. & Prof. Eswarappa G. H. Senior Faculty Members	Career Guidance in higher Education & Job Prospects	03/05/2013	65 Students
Following speakers addressed the student delegates during the National Conference ADMMD 2012.				
37	Dr. Hanumanthachar Joshi, Sarada Vilas College of Pharmacy ,Mysore.	Alzeimer's Disease	16/04/2012	100

38	Dr. Deepa Shenoy University Visvesvaraya college of engineering	Data Mining	16/04/2012	100
39	Dr. Siddu Algur BVB Institute of technology, Hubli	Digital image processing	17/04/2012	100
40	Dr. Jagadish Poojari S.D.M. college of Engineering and Technology, Dharwad		17/04/2012	100
41	Dr. C.N. Ravi kumar Sri Jaya Chamarajendra College of Engineering	Biometrics	17/04/2012	100
42	Dr. G.S. Hemanth Kumar University of Mysore	Pattern recognition	18/04/2012	100
433	Dr. T.B. Sudarshan Amrita School of engineering Bangalore campus.	A machine- learning approach to the prediction of oxidative stress in chronic inflammatory disease	18/04/2012	100
44	Mr. S BAlaraju, Technical Head, Global Mind IT Solutions, Mysore	Workshop on Java and .NET	18/02/2012 and 19/02/2012	65

45. List the teaching methods adopted by the faculty for different programmes.

Dept of CS mainly deploys the following methods:

- Use of “*Mind Map*” by making notes with keywords and images.
- *Z to A approach*: this approach attempts to explain the application part of a particular concept first which makes that concept clear and students develop interest to know exactly the concepts so that they remember it for a long time.
- Case study is discussed to the students so that they gain the practical knowledge.
- Group discussion or group problem solving or group work is given to the students to exchange innovative ideas.
- *Cooperative learning*: an approach to organize classroom activities to avail academic and social learning experiences. Students work in groups to complete tasks collectively towards academic goals.
- *Student Presentations*

Dept of Management and Commerce:

- The teaching methods adopted in the Department is a unique mix– lectures, case discussions, seminars, presentations, group activities, business games, role-plays, soft skills training, expert lecture series, internships & field visits.
- The Department has been regularly using several audio and visual aids that include PPT presentation both by the staff and students, creating group e-mails for the benefit of the students and the like.

Dept of Languages :

- Through participatory method
- Setting the question papers and devising activities to align with the course

objectives

- Class activities as components for Internal assessment resulting in active participation and involvement

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Continuous evaluation comprise various components such as written test, viva, quiz, assignment and other class room activities. Due importance is given to questions demanding concept based theory explanations and knowledge of application in the question papers set for both internal assessment and end semester exam.

Continuous monitoring checks the adherence to course plan and lab cycle planned.

Continuous Assessment (60% weightage) which provides for sharpening the various skill sets & traits of students required for diverse managerial positions is a blend of both subjective (periodicals) and objective (online tests) pattern of evaluation. Internship & intensive projects administered provide experiential learning.

During every semester students are tested for their progress through three class tests, two periodical exams and one end semester exam. 60% weightage is provided for internals and 40% weightage is allotted for end semester exam. To cap on these, there is also weightage for regular attendance and general behavior of the student.

47. Highlight the participation of students and faculty in extension activities.

AYUDH (Amrita Yuva Dharmadhara) – is a youth wing of Mata Amritanandamayi Math which provides a platform for students' passion for volunteering in extension activities. Around 400 students from the are active members of team AYUDH. Ayudh seeks to empower young people to integrate universal values into their daily values. A Visit to old age home 'VASAVI SHAANTIDHAMA', Alanahalli extension, Mysore was arranged on 1st of May 2013. Volunteers distributed refreshments to all the inmates of old age home to cheer the old people. The students also performed cultural programmes like skit, dance, group song and solo songs to entertain the elders. The officials and the inmates of old age home appreciated the work of AYUDH.

BCA students (Techism) extended their service to promote computer awareness programmes to various Government school children.

"Belaku": another student volunteers group from the college was involved in educating underprivileged students from rural areas by conducting awareness classes on health and hygiene, Environment protection and spoken English.

Student enrollment in "Green Friends" helps to build awareness about protecting the environment

Student enrollment in CSI Mysore Chapter, first and largest body of computer science professionals in India, ensures that encouragement and assistance is provided by the professionals through periodic conferences and seminars held in its student branches. These activities introduce competence among students in the field of research.

Faculty members and Students volunteered to organize medical camp at Maharaja PU College in order to assist a general checkup on health conditions of students of the college for two days on 10th and 11th of February, 2010

In order to create awareness on Drug Abuse students conceived, directed, starred and produced a short film "Tanha".

Students participated in Amala Bharatham Campaign by involving themselves in cleaning the Shabarimalai temple premises and also spreading awareness to the shopkeepers in the market area of Mysore on the importance of maintaining cleanliness.

Amrita believes in instilling a sense of *social responsibility* in students by making them rendering service to the society. In accordance to the mission of our University the students of the Department undertook Projects in 'Amrita Kripa Hospital', Mysore. The students surveyed the area surrounding the hospital and gathered valuable data & recorded their observations. This information was given to the Hospital for their future use

48. Give details of “beyond syllabus scholarly activities” of the department.

Two Faculty members have been awarded doctorate degree and 8 members are pursuing doctoral programme.

While 4 members have completed their M Tech one is pursuing M Tech.

The Great Mind Challenge (TGMCC) Pioneered by IBM gave the students an opportunity to contest and submit excellent projects.

Students participated in a workshop conducted in collaboration with CSI National Institute of Engineering, Mysore, with resource persons from Microsoft, helped students get a blend of the upcoming technology like Windows 8 Operating System.

Encouragement was extended to the girl students to participate in First Amrita ACM – W Celebration of Women in Computing in India (A2CWIC) and two of our students excelled by bagging Best Student Award.

- The CS Department has started hosting Seminars as an annual feature from the current year. On 26th April 2013, the Department successfully hosted a one day National Seminar on 'Managerial Challenges in Implementing Aadhaar Program in India'. It attracted the participation of nearly 120 delegates from various States in and outside Karnataka. More than 25 papers on the Theme and various Sub-Themes like legal issues, IT related issues, Budgetary Challenges, Logistic Challenges and State level implementation Challenges were presented in two parallel technical sessions.
- Two students have presented paper in inter collegiate paper presentation contest won prizes.
- 4 Students of M.Com have participated in paper presentation contest at Teresian College, Mysore.
- Faculty members have presented/participated in the paper presentation/Seminar/National & International Seminar organized by various institutions. The faculty members have presented more than 30 papers and 02 articles have been published in International journals.
- students have participated and won a number of prizes in Management Fests conducted by various colleges in & around Mysore. They have won the overall championship in 04 Fests.
- 2 Faculty Member were invited as resource person for a national seminar. Students are guided and encouraged to participate in various competitions like paper presentation, elocution, debate etc conducted by the other institution as a result of which number of prizes have been won.

Synthesis, TechnoX and FLAIR are the Student associations of the departments under the aegis of which various events were conducted. A few to name are:-

- Vyaapaar
- Lan Gaming
- Slogan writing Contest
- General Knowledge Quiz
- Sessions on Language Games, Language Puzzles and Quizzes

- A Series of group discussion sessions

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Nil

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Nil

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

STRENGTHS:

- Information and Communication Technology services (ICTS), an integral part of the School, providing computing resources for all academic, research, and administrative needs. The set up of 5 computer labs with 180 desktop systems, networked with high speed fast Ethernet and wireless LAN enabling 1:1 student-system ratio ensures individual participation and results in practical learning experience.
- Membership to professional bodies Like CSI (Computer Society of India) and CII (Confederation of Indian Industry).
- Fully qualified and competent faculty members with a mixed back ground of both academia and Industry.
- Placements in reputed IT companies like IBM, Infosys, Wipro, HP, Accenture, Cognizant Technology Solutions, Mindtree, GPI Global, UST Global, IFlex, Genpack, IGate Global Solutions, etc.
- Add on courses like Cisco Certified Network Administration (CCNA) and Red Hat Certified Engineer (RHCE), Tally ERP and e-filing offered help students add value to their curriculum vitae.

WEAKNESS:

- Increase research activities, funded projects and the number of journal publications.
- Need for subscription of Scopus indexed journals relevant to the programs offered.
- Lack of research guides within the School.

OPPORTUNITIES:

- The geographic location of the School is in close proximity to the industrial area creating more opportunities for industrial visits & study tours.
- The current demand for short term courses like certification and diploma provides an opportunity for the departments of the School to start such courses.
- A-VIEW - a learning platform provides an exposure the technical knowledge of eminent resource persons benefitting staff and students.
- Provision for student exchange programme with other Universities initiated by the Amrita Center for International Programmes.
- A multicultural environment as a result of enrollment of students belonging to different parts of the country.

CHALLENGES:

- Attract sponsored and funded projects from national and private agencies
- Retention of talent in the school amidst increasing job opportunities outside.

- Attracting local students in the midst of various established local educational institutions offering the same programmes.
- To encourage & support students to participate in National / International level contests and to upgrade school fests to the national level.

52. Future plans of the School :

To –

- sustain & strengthen Amrita's current competitive position to assure the School's continued success
- enhance the quality of faculty – UG and PG programmes aiming at the highest standards
- lay greater thrust on research activities
- introduce novel programmes in Humanities and Social Sciences that set new trends with suitable and supportive infrastructure
- strive to raise Amrita's profile by preparing students more robustly and transform them into wholesome human beings and socially responsible citizens

Amrita School of Ayurveda - Amritapuri

EVALUATIVE REPORT OF THE DEPARTMENT

1. Name of the Department : AMRITA SCHOOL OF AYURVEDA
2. Year of establishment : 28th Sept 2004
3. Is the Department part of a School/Faculty of the university? If so, specify.
It is a constituent school of Amrita University.
4. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt. etc.)

S. No.	Programme Name	Programme Duration	Student Intake	Start Date
1	BAMS	5 ½ Years	60	28 th Sept 2004

5. Interdisciplinary programmes and departments involved
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
7. Details of programmes discontinued, if any, with reasons
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
 - **Annual(12 Months)-As per the revision by the Apex body in the year 2012**
 - **Professional System(18 months)-Candidates admitted till 2012**
9. Participation of the department in the courses offered by other departments
NA
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Actual
Professor	21	21
Associate Professors	17	17
Asst. Professors	22	22
Others		

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Dr. Korede Ravindar	BAMS,MD	Professor	Samhita, Sanskrit & Siddhanta	18 Yrs	
Dr. Shantagouda.A. Patil	BAMS	Professor	Samhita, Sanskrit & Siddhanta	32 Yrs	
Dr. Jaya Shankar Mund	BAMS,MD	Professor	Samhita, Sanskrit & Siddhanta	11 Yrs	
Dr. M. K. Vivek Sanker	BAMS,MD	Reader	Samhita, Sanskrit & Siddhanta	7 Yrs	
Sri. Ramadas P. V.	MA. MPhil ,B.ED	Lecturer	Samhita, Sanskrit & Siddhanta	9 Yrs	
Dr. Leena. P. Nair	BAMS,MD	Lecturer	Samhita, Sanskrit & Siddhanta	2 Yrs	
Dr. Haroon Irshad	BAMS,MD	Lecturer	Samhita, Sanskrit & Siddhanta	2 Yrs	
Dr. T. Peddapa Naidu	BAMS,MD	Reader	Rachana Sharir	7 Yrs	
Dr. K. Sivaramagopalan	BAMS,MD	Lecturer	Rachana Sharir	4 Yrs	
Dr. Sharath S.G	BAMS,MD	Lecturer	Rachana Sharir	11 months	
Dr. Thusharalal. S	BAMS,MD	Lecturer	Rachana Sharir	1 Yrs	
Dr. T. Narahari Rao	BAMS	Professor	Kriya Sharir	21 Yrs	
Dr.C.R.S Pillai	BAMS,MD	Professor	Dravyaguna	37 Yrs	
Dr. T.V.A Durga Rani	BAMS,MD	Professor	Dravyaguna	14 Yrs	
Dr. Vimala K. S.	BAMS,MD	Reader	Dravyaguna	8 Yrs	
Dr.V.V. Rama Rao	BAMS,MD	Reader	Dravyaguna	7 Yrs	
Dr. Priyalatha B	BAMS,MD	Lecturer	Dravyaguna	3 Yrs	
Dr. Raiby. P Paul	BAMS,MD	Lecturer	Dravyaguna	2 Yrs	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Dr. K. Unnikrishna Pillai	BAMS,MD	Professor	Rasashastra & Bhaishajya Kalpana	20 Yrs	
Dr. N. Vijay Bhaskar Reddy	BAMS,MD	Professor	Rasashastra & Bhaishajya Kalpana	12 Yrs	
Dr. Prasanna Kumar. T	BAMS,MD	Professor	Rasashastra & Bhaishajya Kalpana	11 Yrs	
Dr. Ramesh N. V.	BAMS,MD	Reader	Rasashastra & Bhaishajya Kalpana	8 Yrs	
Dr. Abhaya Kumar Mishra	BAMS,MD	Reader	Rasashastra & Bhaishajya Kalpana	6 Yrs	
Dr. Arun mohananan	BAMS,MD	Lecturer	Rasashastra & Bhaishajya Kalpana	1 Yrs	
Dr. V. N. Parameswaran Potty	BAMS,MD	Professor	Roga Nidan	29 Yrs	
Dr. Dhanya K. V.	BAMS,MD	Lecturer	Roga Nidan	4 Yrs	
Dr. Jyothilal K.	BAMS,MD	Professor	Swastha Vritta	29 Yrs	
Dr. Vandana Rani	BAMS,MD	Reader	Swastha Vritta	8 Yrs	
Dr. Anusree Dileep	BAMS,MD	Lecturer	Swastha Vritta	4 Yrs	
Dr. Delvin T Robin	BAMS,MD	Lecturer	Swastha Vritta	2 Yrs	
Dr. G. Suryaprakash Rao	BAMS,MD	Reader	Agadatantra & Vidhi Ayurved	5 Yrs	
Dr. Preethi	BAMS,MD	Lecturer	Agadatantra	1 Yrs	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Mohan			& Vidhi Ayurved		
Dr. A.Nalinakshan	BAMS,MD	Professor	Prasooti Tantra & Striroga	30 Yrs	
Dr. Pradeep Kumar	BAMS,MD	Professor	Prasooti Tantra & Striroga	10 Yrs	
Dr. Hemavathi S. K.	BAMS,MD	Reader	Prasooti Tantra & Striroga	7 Yrs	
Dr. Pradeep. N. Bhosale	BAMS,MD	Lecturer	Prasooti Tantra & Striroga	3 Yrs	
Dr. Vijaya Saradhi	BAMS,MD	Reader	Kaumar Bhritya	8 Yrs	
Dr. N. Hemalatha	BAMS,MD	Lecturer	Kaumar Bhritya	3 Yrs	
Dr.Karthika.A.P	BAMS,MD	Lecturer	Kaumar Bhritya	1 Yr	
Dr. Mallala Sreenivasarao	BAMS,MD	Lecturer	Kaumar Bhritya	8 Yrs	
Dr. K. Vijayalakshmi	BAMS,MD	Professor	Kayachikitsa	16 Yrs	
Dr. Devarakonda Sathya Prakash	BAMS,MD	Professor	Kayachikitsa	15 Yrs	
Dr.Ratnaprava Mishra	BAMS,MD,Ph.D	Professor	Kayachikitsa	12 Yrs	
Dr. Nagarajan C. [Br. Sankara Chaitanya]	BAMS,MD	Reader	Kayachikitsa	9 Yrs	
Dr. James Chacko	BAMS,MD,,Ph.D	Reader	Kayachikitsa	7 Yrs	
Dr. Krishnakumar K.	BAMS,MD	Reader	Kayachikitsa	6 Yrs	
Dr. Mahesh C. Kundagol	BAMS,MD	Lecturer	Kayachikitsa	5 Yrs	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Dr. Vimal Jyothi P.G	BAMS,MD	Lecturer	Kayachikitsa	7 Months	
Dr. Raju G. S.	BAMS,MD	Professor	Shalya Tantra	33 Yrs	
Dr. Rabinarayan Tripathy	BAMS,MD	Professor	Shalya Tantra	11 Yrs	
Dr.Amrut Kumar Chand	BAMS,MD	Professor	Shalya Tantra	14 Yrs	
Dr. Shaithya Raj	BAMS,MD	Lecturer	Shalya Tantra	2 Yrs	
Dr. K. V. Subhadra Antherjanam	BAMS,MD	Professor	Shalakya Tantra	31 Yrs	
Dr. Venkateswara Reddy	BAMS,MD	Professor	Shalakya Tantra	15 Yrs	
Dr.G. Gopalakrishna Rao	BAMS,MD	Reader	Shalakya Tantra	9 Yrs	
Dr. P Sreevidya	BAMS,MD	Lecturer	Shalakya Tantra	4 Yrs	
Dr. Vasudevan Nampoothiri	BAMS,MD	Professor	Panchakarma	29 Yrs	
Dr. Anandaraman P. V.	BAMS,MD	Reader	Panchakarma	6 Yrs	
Dr. Prathibha C. K.	BAMS,MD	Reader	Panchakarma	6 Yrs	
Dr.Parameswara n Namboothiri	BAMS,MD	Lecturer	Panchakarma	3 Yrs	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors
Nil

13. Percentage of classes taken by temporary faculty – programme-wise information
NA

14. Programme-wise Student Teacher Ratio: **5:1**

15. Number of academic support staff (technical) and administrative staff: sanctioned, and actual

Designation	Sanctioned	Actual
Non Teaching staff		45
Technical staff		7

16. Research thrust areas as recognized by major funding agencies

NA

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

18. Inter-institutional collaborative projects and associated grants received

e) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with

- state recognition
- national recognition
- international recognition

Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

- * Number of papers published in peer reviewed journals (national / international)

:

- * Monographs

:

- * Chapters in Books

:

- * Edited Books

:

- * Books with ISBN with details of publishers:

- * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

- * Citation Index – range / average :

- * SNIP:

- * SJR

- * Impact Factor – range / average

- * h-index

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2013	International Journal	1.	Title of the Paper: Preparation, Standardization & Application of Kshara Sutra in Anorectal Disorders Authors: Dr. R. N. Tripathy Name of the Journal: Nagarjuna Ayurvedic Group, Month and Year of Publication: January – March 2013 Volume No: XI Page No :	
		2	Title of the Paper: Preconception - an integrated approach with Ayurveda Authors: Dr.James chacko, Saurabh Name of the Journal: Ayurpharm ,IJAAS Month and Year of Publication: Oct 2013 Volume No: Vol.2 , No.10 Page No: 315 - 321	

		3	Title of the Paper: Pramana of jangha and its relation with the height of healthy individual Authors: Dr.Sharath S G Name of the Journal: IAMJ Month and Year of Publication: Sept-Oct 2013 Volume No: Vol 1;Issue 5 Page No	
	National Journal	1	Title of the Paper: Avabahuka Authors: Dr.Nampoothiri.K.P,Dr.Tripathi Name of the Journal: Monthly journal of ayurveda medical association of India(APTA) Month and Year of Publication: Jan 2013 Volume No : Page No : 29-33	
		2	Title of the Paper: Effect Of An Indigenous Compound In Lactation Deficiency Authors: Tripathy R.N, Otta S.P Name of the Journal: Aryavaidyan Month and Year of Publication: May-July 2013 Volume No : XXVI NO.4 Page No : 231-236	
		3	Title of the Paper: Nomenclature and synonym based Identification of classical Drugs Authors: Dr. Priyalatha.B Name of the Journal: (APTA) Month and Year of Publication: Jan 2013 Volume No : Page No : 5-8	

	2012	1	Title of the Paper: Para surgical approaches to colloid nodular goiter w.s.r to Galaganda Authors: Dr. R. N. Tripathy, Otta S P Name of the Journal: Nagarjuna Ayurvedic Group, Kerala. Month and Year of Publication: Jan – Mar 2012 Volume No. Renaissance, Vol. X No.1 Page No: 3-7	
			Title of the Paper: Management of Dushta Vrana by Ancient Surgical Approach w.s.r. to Pseudo Epithelial Hyperplasia Authors: Dr. R. N. Tripathy, Name of the Journal: Nagarjuna Ayurvedic Group, Kerala. Month and Year of Publication: April – June 2012, Volume No. – Renaissance Vol. X No.2 Page No: 3-7	
		2	Title of the Paper: Importance of diet modification in autism Authors: Dr.James chacko, Dr.Ilanchezian R Name of the Journal: Ayurpharm ,IJAAS Month and Year of Publication: December 2012 Volume No: Vol.1,No 7 Page No:159-162	ISSN: 2278-4772

		3	Title of the Paper: Amithavannam Ayurvedathil Authors: Dr.Dhanya .K.V Name of the Journal: Vishwavedi magazine. Month and Year of Publication: 16th July 2012 Volume No. Page No: 10-12	
		4	Title of the Paper: An Approach To Hypertension Authors: Dr.Dhanya .K.V Name of the Journal: Amritaakshari Month and Year of Publication: Volume No. Page No: 27	
		5	Title of the Paper: Prasava Sisrussha Ayurvedathil Authors: Dr.Dhanya .K.V Name of the Journal: Vishwavedi Month and Year of Publication: Jan 16th 2012 Volume No. Page No: 14	

		6	Title of the Paper: Sadyapranahara Marma and its Anatomical Relevance Authors: Dr.Sharath S G Name of the Journal: IAMJ Month and Year of Publication: Nov 2012. Volume No: Vol 1 Page No:	ISSN 23265091
2011	International Journal	1.	Title of the Paper: BalaTailaPariseka – A Traditional Approach in Wound Healing Authors: Tripathy R N, Otta S P & Siddram A Name of the Journal: Indian Journal of Traditional Knowledge Month and Year of Publication: October 2011 Volume No. Vol. 10 (4), Page No. pp. 643-650	
	National Journal	1.	Title of the Paper: Efficacy of Agnikarma in the Management of Chronic Anal Fissure Authors: Dr. R. N. Tripathy, Dr. S. P. Otta, Dr.Prashant Kachele Name of the Journal: Aryavaidyan, – kottakal, Kerala. Month and Year of Publication: Feb - April 2011 Volume No. Vol. XXIV, No 3 Page No:181-187	

		2	Title of the Paper: Management of Pelvic Ring Fracture by Ayurvedic Medicament with special reference to Pubic Ramus Fractures (Butterfly Fracture) Authors: Dr. R. N. Tripathy Name of the Journal: Monthly journal of ayurveda medical association of India(APTA) Month and Year of Publication: Jan-march 2011 Volume No : Page No : 29-33	
		3	Title of the Paper: Kashayam vishamayamakkum E Preservative Authors: Dr. Anantharam Sharma Name of the Journal: Aryavaidyan, – kottakal, Kerala. Month and Year of Publication: May 2011, Volume No. Page No : 84-86.	
		4	Title of the Paper: Dietic Regimen to control Osteoporosis Authors : Dr. James Chacko Name of the Journal: APTA Month and Year of Publication: April 2011 Volume No: Page No : 27-35	

2010	National Journal	1	Title of the Paper: "How to prepare for examinations Authors: Syamala B Name of the Journal: Punarjani Ayurveda Journal Month and Year of Publication: March 2010 Volume No. Page No	
		2	Title of the Paper: "Menstrual regulation through Ayurveda Authors: Syamala B Name of the Journal: Mathrubhumi Arogyam Month and Year of Publication: July 2010 Volume No. Page No.	
		3	Title of the Paper: "Gruel for Health, Honey for preventing disease, How to have healthy hair and eyes", Authors: Syamala B Name of the Journal: Mathrubhumi Arogyam Month and Year of Publication: August 2010 Volume No. Page No.	
		4	Title of the Paper: "Varshartucharya Authors: Syamala B Name of the Journal : Punarjani Ayurveda Journal Month and Year of Publication: July-Sept 2010 Volume No. Page No.	
		5	Title of the Paper: "Hisopathological changes during Jalookavacharanam- a theoretical approach", Authors: : Dr. R. N. Tripathy Name of the Journal : : Nagarjuna Ayurvedic Group, Kerala Month and Year of Publication: June-Aug 2010 Volume No. Renaissance, Vol 8	

			Page No :9 - 10, 26 -27	
2009	National Journal	1	Title of the Paper: Clinical Study on the Management of Fracture with Abha-Guggulu Authors:Dr. R. N. Tripathy, Dr. M. Panda Name of the Journal: Journal of Research in Ayurveda and Siddha, C.C.R.A.S, New Delhi. Month and Year of Publication: Oct – Dec 2009 Volume No: J.R.A.S Vol: XXX No-4, Page No.1-8	
		2	Title of the Paper: Watch Your Food”, Authors: Dr.Anantharam Sharma Name of the Journal: Ayurveda & Health Tourism, Month and Year of Publication: Dec 2009 Volume No: Vol.4 Issue 4, Page No: 48-51.	
		3	Title of the Paper: End To an Ordeal Authors: Dr.Anantharam Sharma & Dr.Prathibha C K Name of the Journal: Ayurveda & Health Tourism Month and Year of Publication: March 2009, Volume No: 4 Page No : 42-43.	

2008	National Journal	1	Title of the Paper: Role of Karpura Ghrita in the Management of Wound Authors: Dr. R. N. Tripathy, Dr. S. P. Otta Name of the Journal: Journal of Research in Ayurveda and Siddha, C.C.R.A.S, New Delhi. Month and Year of Publication: Oct – Dec'08 Volume No. Vol: XXIX No-4 Page No.	ISSN 0254-3478
		2	Title of the Paper: The concept of Marana (incineration). Authors: Dr. Abhaya Kumar Mishra Name of the Journal: SAMEEKSHA Month and Year of Publication: 2008 Volume No. Page No.	

23. Details of patents and income generated
Nil

24. Areas of consultancy and income generated
Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad
Nil

26. Faculty serving in

g) National committees b) International committees c) Editorial Boards d) any other (please specify)

- Editorial Board peer reviewer - 2
- Convener in Global Ayurveda Festival - 1

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions**

S. No.	School Name	Department Name	Programme Name	Dates: (DD/MM/Y Y to DD/MM/YY)	# Attendees **	Location / Venue
1	Amrita School of Ayurveda		National seminar on Traditional System of Ayurveda Yoga & Nature Cure, "Amrita Samyoga"	8th & 9th July 2010		
2	Amrita School of Ayurveda		Workshop on "Basics of Research Methodology and Biostatistics for Ayurveda Researchers"	22/10/2011		
3	Amrita School of Ayurveda		"Vijnana" weekly seminars on most relevant clinical topics	14 th October 2011		
4	Amrita School of Ayurveda	Maulika Sidhanta and Dravyaguna vijnanam	National Reorientation training programme for Ayurveda	25 th to 30 th May 2011		
5	Amrita School of Ayurveda		Symposia on preservation of medicinal plants	1/1/2012		
6	Amrita School of Ayurveda		National seminar on Rasayana "Ayushyam"	8th June 2012		
7	Amrita School of Ayurveda		How to Teach Ayurveda	3 rd September, 2013		

8	Amrita School of Ayurveda	Swasthavritta	CME On Swasthavritta	22-27 th April 2013	19	

Participation of Amrita Faculty in Faculty Development Programmes conducted **by Other Institutions**

S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants
1	Ahalia Ayurveda medical College	Palakkad	National Seminar on Clinical Aspects. Prabhodana 2013	12-13 Jan 2013	
2	VPSV Ayurveda College, Kottakkal	Edarikode	SAMAVARTANA 2012- National Seminar on Connective Tissue Disorders	Sept 2012	
3	Govt. Ayurveda College,	Trivandrum	Refresher Course on Diabetes Mellitus.	Feb, 2013	
4	AMAI (Ayurveda Medical Association of India)	Trivandrum	Ayurvedic Management of Eye Diseases and Preventive Ophthalmology	2 nd June, 2013	
6	Pharmacognosy Unit, Govt. Ayurveda College,	Trivandrum	National Seminar on Medicinal Plant	1 st & 2 nd March 2013	
7	S.N Institute of Ayurveda Studies and Research,	Puthur, Kollam	Santhwanam- Nidana and management of Joint disorders.	24/1/2012	
8	Parassinikadavu ayurveda medical college,	kannur	Vasukeeyam 2012	10-04-2012 to 12-04-2012	
11	CISSA,	Trivandrum	Global Ayurveda Festival	2012	

FACULTY NAMES	DESIGNATION	DEPARTMENT

DR. James Chacko	Reader	Dept of Kayachikitsa
DR .Vimal Jyothi PG	Lecturer	Dept of Kayachikitsa
DR Rabinarayan Tripathy	Professor	Dept of Shalyatantra
DR. Shaithya Raj	Lecturer	Dept of Shalyatantra
DR. Hemalatha N	Lecturer	Dept of Kaumarabhrithya
DR. Preethi Mohan	Lecturer	Dept of Agadatantra & vyavaharayurveda

28. Student projects : Nil

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities / industry / institute

29. Awards / recognitions received at the national and international level by

• **Faculty:**

Dr.Jyothilal	Dhanwanthari Award in the Year- 2010 Science & Achievement Life time Award-2010
Dr .B. Syamala	Bharatiya Vidyaretan Award” from HEDA , New Delhi on 4 th November 2011.
Dr. Abhayakumar Mishra	Received PhD degree in Bhaishjyakalpana
Dr.Jayashankar Mund	Received PhD degree in Maulika siddhanta & Darshana (Basic Principles
Dr.Ratnaprava Mishra	Received PhD degree in Kayachikitsa
Dr. Gundappa Suryaprakash Rao	Received PhD degree in Dravyaguna
Dr.K.Unnikrishna Pillai	Received PhD degree in Rasashastra & Bhaishajya Kalpana

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY	Number of Participants	Source of Funding	Seminar / Workshop Outcome

1	National seminars”Charatatva mritam” I&II	4 th and 5 th April 2008				
2	Re Orientation for ayurveda college teachers in subject rasashastra & Bhaishajyakalpana	9 th October till 14 th October				
3	A National Reorientation Programme for ayurveda college teachers in the subject prasutitantra & streeroga	30 th of November till 5 th of December 2009				
4	National seminar on Rasayana “Ayushyam”. Amrita School of Ayurveda	8 th June 2012				
6	AMRITA SAMYOGA	8 th and 9 th July 2010				
7	“PUNARJANI	1/1/2011				
8	National Reorientation training programme for Ayurveda College teachers	25 th to 30 th May 2011				
8	DAKSHA	14/01/2011				
9	CME on swasthavritta	22-27 th April 2013				

31. Code of ethics for research followed by the departments

Nil

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
BAMS					

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
BAMS	-	-	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

For students with admission status active during the report period:

S. N o.	Scho ol Nam e	Departm ent Name	# NET qualifi ed	# GATE qualifi ed	# GRE qualifi ed	# CAT qualifi ed	# SLET qualifi ed	# qualified in other exams
1	Amri ta							PG(Ayurve da)-

For passed out students who got the NET/SLET/GATE etc results during the report period:

S. N o.	Scho ol Nam e	Departm ent Name	# NET qualifi ed	# GATE qualifi ed	# GRE qualifi ed	# CAT qualifi ed	# SLET qualifi ed	# qualified in other exams
1	Amri ta							PG(Ayurve da)-13

35. Student progression

Student progression	Percentage against enrolled
UG to PG	16%
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed - Campus selection - Other than campus recruitment	75%
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	Nil
from other universities within the State	25%
from universities from other States	75%
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library

b) Internet facilities for staff and students:

- All the departments have computers with internet & intranet facility.
- For students computers are arranged separately

c) Total number of class rooms: 5

d) Class rooms with ICT facility: 2 seminar halls are arranged with LCD Projector

e) Students' laboratories: All the clinical Departments have laboratories

f) Research laboratories: Nil

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

b) from other institutions/universities

S. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with	Name of the College/ University (Previous	Institution where registered for PhD (Dept /	Name, Designation, & Institution of PhD	Research Topic / Area

		Specialization	Degree)	School / Campus)	Guide	
1.	Dr. Prathibha	MD	Rajiv Gandhi university of health sciences, Karnataka	Utkal University		
2.	Dr. Anandaram Sharma	MD	Rajiv Gandhi university of health sciences, Karnataka	Rajasthan Ayurveda University, Jodhpur	Dr.O.P Sharma	Efficacy of Charakotha shochana of madanaphalam
3	Dr. Rabinarayana Tripathy	MD	Utkal University	Utkal University		
4	Dr. Krishna kumar	MD	Rajiv Gandhi university of health sciences, Karnataka	Jodhpur University	Dr. Govardhanan	A comparative study in the efficacy of Navayasa choorna and mehasamhari gulika in the management of type (ii) diabetic mellitus

40. Number of post graduate students getting financial assistance from the university.

N/A

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

- **It is found that the graduates of this institution seek PG Admissions in the institutions outside the state of Kerala.**
- **Students have requested Amrita University numerous times to start PG so that they can continue their studies in the state itself. The students graduating with a PG degree can subsequently be inducted as faculty, thus contributing the school's academic quality enhancement.**

42. Does the department obtain feedback from

q. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

- The faculty are given complete freedom to design the teaching learning process. The feedback from the faculty is collected via department-level meetings.

- Though the minimum standards of Syllabus & Curriculum are designed by the Apex Body (CCIM), the school has the freedom to add to the curriculum.

r. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- The school has a formal mechanism to collect feedback from the students on curriculum and teachers (for each course).
- After evaluation of the feedback the authority takes the required measures to address any deficiencies (via a discussion between the department head and the individual faculty, where corrective actions are identified for follow up and implementation)

s. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Nil

43. List the distinguished alumni of the department (maximum 10)

Nil

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S.No.	Name of Expert Resource	Topic	Date	Number of participants
1	Dr.Krishnakumar.K	Career guidance	1/7/2009	
2	Mr.C.Pragasan	Puranas	14/08/2009	
3	Mr.Michanel Daninos	India's Scientific Mind	6/11/2009	
4	Dr.P.H.C Moorthy	Clinical Applications of 'Rasasasthra	11/11/2009	
5	Ms.Petetia	Baby Massage	16/12/2009	
6	Dr Gireesh kumar	Vedic culture	29/12/2009	
7	Shri.Muralivallabhan	Sustainable Development	7/4/2010	
8	Dr.Ashok Kumar	'The spiritual Touch in Ayurvedic Healing	29/11/2010	
9	Dr.Rajendran	Indian Aesthetics	4/11/2010	
10	Br.Manoj	values of human life	2/11/2010	
11	Dr.Shajahan	Development of software for diagnosis and management of diseases through ayurveda	06/01/2011	
11	Dr.Hari Govind	Basic Life	07/07/2011	

Support			
12	Dr. Gopi Chellan	X-ray diagnosis	21/11/2011
12	Br. Manoj	Cultural Education	14/02/2012
13	Dr.Shivamrita Krishna	Personality Development	16/01/2012
14	Shri.Allen	“A Practical Hypnotherapy”	29/08/2013

45. List the teaching methods adopted by the faculty for different programmes.
- Student centered education-Assignments, Small Projects, Presentation by students
 - Lecture method
 - LCD Presentation method
 - Clinical Classes
 - Teaching learning through Extension activities
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- The department conduct slip tests, Questionnaire sessions & terminal examination
 - Through preparing year plan, term plan, & lesson plan.
 - Collecting feedback from the students
47. Highlight the participation of students and faculty in extension activities.

S. No.	Description of Event	Dates (MM/YY to MM/YY)	Number of participants	Outcome/ Comments
1.	Amalabharatham-Pampa cleaning	3 rd & 4 th Nov 2012	150	
2.	BPL Camp @Amrita Ayurveda Hospital	Jan-Dec 2012	2880	
3	Balamrita Camp 2012	18th & 19th June 2012	50	
4	Kundra camp	28-Mar-12	118	
5	Karungapally Camp	25-Mar-12	147	
6	Alappad Camp	31-3-2012	148	
7	Ammas birhtday	27-Sep-12	600	
8	Cheriyazhikkal camp	7 th may-10 th may 2013	85	
9	Punnappura	23-Nov-12	200	
10	Amrita life Camp	10-Feb-12		

11	IP Camps	24 Jan 2012 to 2 Oct 2012	811	

48. Give details of “beyond syllabus scholarly activities” of the department.
- Annual sports day & arts day
 - Participation in sports & arts competition conducted by other institutions
 - Inter university competition – Both arts & sports
 - Participation in cleaning campaigns
 - Participation in programs/initiatives such as **AMRITASANJEEVANI, AMALABHARATHAM, SERVE AN HOUR**
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- **The school generally plans for improving the basic & applied aspects of the knowledge in the field of Ayurveda to improve the clinical as well as the research qualities of the students.**
 - **All the departments conduct presentation by the students, seminars, clinical examination, and various types of quiz competition in order to improve both theoretical and clinical knowledge of the students.**
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

<u>STRENGTHS</u>	<u>WEAKNESSES</u>
➤ College & Hospital buildings infrastructure ➤ Well Experienced/Established & Qualified Faculty / Doctors ➤ A good Feedback Mechanism for identifying the quality of teaching, changes required in the curriculum, Gender Sensitization problems etc ➤ Numerous extension activities in alignment with the vision of the university ➤ Unique Amenities (a Production Unit of Ayurvedic Medicine, Hitahara, Sulepa. Etc.) ➤ Beautifully maintained Green Campus with Healing Garden containing many Ayurvedic medicinal plants	➤ Major Operating Theatre to be developed ➤ Staff Quarters to be expanded

<u>OPPORTUNITIES</u>	<u>THREATS</u>
➤ Introduction of PG Programs ➤ Introduction of Para Medical Programs ➤ Introduction of Certificate / Short-term Programs ➤ Signing more MoU's ➤ Establishing Funded Research & Publishing Research Papers	➤ Permission from the Local Governing Bodies ➤ Complicated rules of the Apex body (CCIM) ➤ Kerala students are educated outside in a very large number which affects the scope of employment.

52. Future plans of the department.

- Signing MoU with major institutions, laboratories
- Providing staff quarters.
- High quality research
- Encouraging faculty members to opt for PhD
- Starting new programmes specially meant for international candidates
- Making Amrita School of Ayurveda globally challenging
- Appointing qualified student counselors in the campus
- Organizing national & international seminars

Amrita School of Biotechnology – Amritapuri

Evaluative Report of the Department

1. Name of the Department: Amrita School of Biotechnology
2. Year of establishment: 2007
3. Is the Department part of a School/Faculty of the university? If so, specify:
No
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Programme Name	Programme Duration	Student Intake			Start Date
			Year	Planned intake	Actual intake	
1.	Ph.D.	5 Years	2008-09	20	07	NA
			2009-10	20	05	NA
			2010-11	20	06	NA
			2011-12	20	07	NA
			2012-13	20	-	-
2.	M.Sc. Biotechnology	2 Years	2008-09	40	44	05 Aug
			2009-10	40	38	29 July
			2010-11	40	39	26 July
			2011-12	40	37	27 July
			2012-13	40	44	25 July
3.	M.Sc. Microbiology	2 Years	2008-09	40	-	05 Aug
			2009-10	40	29	29 July
			2010-11	40	25	26 July
			2011-12	40	13	27 July
			2012-13	40	26	25 July
4.	M.Sc. Bioinformatics	2 Years	2008-09	30	27	05 Aug
			2009-10	30	28	29 July
			2010-11	30	15	26 July
			2011-12	30	13	27 July
			2012-13	30	6	25 July
5.	B.Sc. Biotechnology	3 Years	2008-09	60	48	05 Aug
			2009-10	60	48	29 July
			2010-11	60	42	26 July
			2011-12	60	49	27 July
			2012-13	60	59	25 July
6.	B.Sc. Microbiology	3 Years	2008-09	60	25	05 Aug
			2009-10	60	30	29 July
			2010-11	60	19	26 July
			2011-12	60	38	27 July
			2012-13	60	32	25 July

5. Interdisciplinary programmes and departments involved:
NIL
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL
7. Details of programmes discontinued, if any, with reasons
NIL
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester
9. Participation of the department in the courses offered by other departments
Introduction to Life Sciences course for Integrated M.Sc program offered by Amrita School of Arts and Science, Amritapuri Campus

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Actual
Professor	02	02
Associate Professors	05	04
Asst. Professors	10	13
Others (Lecturers)	10	08

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	Number of years of experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Bipin Nair	Ph.D.	Professor	Microbiology	32	06
Asoke Banerji	Ph.D.	Professor	Chemistry	56	02
Martin Reick	Ph.D.	Associate Professor	Molecular Biology	17	01
Geetha Kumar	Ph.D.	Associate Professor	Biochemistry	20	07
Walter Schrenk	Ph.D.	Associate Professor	Organic chemistry and polymer science	32	01
Sudarslal S	Ph.D.	Associate Professor	Biophysics	12	01
Anil Kumar	Ph.D.	Associate Professor	Molecular Biology	12	05

Ayyappan Nair	Ph.D.	Associate Professor	Molecular Biology	17	05
Sujit Nair	Ph.D.	Assistant Professor	Pharmaceutical sciences	05	-
Shyam Diwakar	Ph.D.	Assistant Professor	Computational neuroscience	06	05
Sobha V Nair	Ph.D.	Assistant Professor	Polymer technology	07	-
Sanjay Pal	Ph.D.	Assistant Professor	Biotechnology	09	01
Nandita Mishra	Ph.D.	Assistant Professor	Biotechnology	03	01
Sreekala C.O.	Ph.D.	Assistant Professor	Physics	09	01
Jayashree G	Ph.D.	Assistant Professor	Biochemistry	06	-
CN Vishnuprasad	Ph.D	Assistant Professor	Biotechnology	06	-
Margaret Reick	M.Sc.	Assistant Professor	Molecular biology	11	-
Nidheesh M	M.Sc.	Assistant Professor	Computer science	17	-
Kartik Iyer	M.Sc.	Assistant Professor	Microbial Pathogenesis, Immunology and Inflammation	05	-
Ajith M	M.Sc.	Assistant Professor	Applied microbiology	15	-
Shalini Dinesh	M.Sc.	Assistant Professor	Aquatic biology	09	-
Niseema	M.Sc.	Assistant Professor	Microbiology	09	-
Asha R Pai	M.Sc.	Lecturer	Physics	09	-
Jyothi R	M.Sc.	Lecturer	Chemistry	10	-
Suma Mahesh	M.Sc.	Lecturer	Analytical chemistry	07	-
Jayalekshmi H	M.Sc.	Lecturer	Microbiology	09	-
Vidya Prakash	M.Sc.	Lecturer	Microbiology	05	-
Suja Subhash	M.Sc.	Lecturer	Microbiology	04	-
Asha Vijayan	M.Sc.	Lecturer	Bioinformatics	04	-
Harikrishnan	M.Sc.	Lecturer	Biotechnology	01	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Name	Qualification	Designation	Specialization	Institute	Course taught	Date of appointment
Sriram Devanathan	Ph.D.	Professor	Chemical Engineering and statistics	Amrita School of Engineering, Coimbatore	Biostatistics	Aug 2006
Jeff Perry	Ph.D.	Senior research associate	Natural Science	The Scripps Research Institute, USA	Crystallography	Jan 2007
Robert Treder	Ph.D.		Biostatistics		Biostatistics	Jan 2005
Prashanth Athri	Ph.D.	Postdoctoral fellow	Computational chemistry	Emory University, USA	Bioinformatics	Aug 2007
Eileen Thatcher	Ph.D.	Professor, Emeritus	Immunology	Sonoma state university, USA	Immunology	Aug 2009
Lalitha Subramanian	Ph.D.	Scientist	Chemistry	Optra Inc., Santa Clara, USA	Bioinformatics/ Drug design	Jan 2011
Prakash Chandran	Ph.D.	Assistant Professor	Chemistry	N.S.S. College, Kottiyam, Kerala	Biochemistry	Oct 2012
Krishnan Namboori	Ph.D.	Associate Professor	Computational drug designing	Amrita University, Coimbatore	Bioinformatics	Jan 2008
Shabarinath Subramaniam	Ph.D.	Research associate	Computational Biology	University of California, USA	Computational Biology	Aug 2006

13. Percentage of classes taken by temporary faculty – programme-wise information
NIL

14. Programme-wise Student Teacher Ratio
UG Programme: 15:1
PG Programme: 10:1

15. Number of academic support staff (technical) and administrative staff: sanctioned,

and actual

Designation	Sanctioned	Actual
Technical staff	07	07
Administrative staff	05	05

16. Research thrust areas as recognized by major funding agencies
Diabetes and Cancer

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project *
1.	Bio-inspired processor design for cognitive functions via detailed computational modeling of cerebellar granular layer	Dr. Shyam Diwakar	SERC-DST	₹40 Lakhs	3 years
2.	Development of peptide based anti venom	Dr. Bipin Nair & Dr. Martin Reick	DST	₹20 Lakhs	2 years
3.	Neurophysiological recording and modelling fast response timing of granule and Golgi cell responses for cerebellar function	Dr. Shyam Diwakar (PI), Prof. Bipin Nair (co-PI)	DST	₹26 Lakhs	3 years
4.	Computational Modelling and prediction of cerebellar input layer function, timing and plasticity for understanding neurophysiological disorders.	Dr. Shyam Diwakar	DBT	₹42.26 Lakhs	3 years
5.	“Identification of mechanism of action of the cardioprotective compound arjunolic acid	K. Subhalakshmi	DST (WOS-A)	₹15.48 Lakhs	3 years
6.	Cerebellum inspired	Dr. Shyam	DST,	₹4.5	2 years

	approach for pattern classification in robots, Indo-Italy POC PI: Dr. Shyam Diwakar (India), Prof. Giovanni Naldi (Univ. Of Milan, Italy). Department of Science and Technology, Government of India and Ministry of Foreign Affairs, Italy.	Diwakar (Indian PI), Prof. Giovanni Naldi (Italian PI)	Government of India and MAE, Italy under INDO-ITALY POC	Lakhs	
7.	Virtual Labs projects(Biotechnology)	Prof. Krishnashree Achuthan (PI) Dr. Shyam Diwakar (co-PI)	MHRD	₹2.5 crores	3 years
8.	Development of non-enzymatic glucose sensor and glucometer	Dr.Satheesh Babu Dr. Bipin Nair (co-PI)	DBT, Govt. of India, New Delhi	₹67 Lakhs	3 years
9.	Lab -On -A- Chip(Loc) For The Monitoring Of Diabetes, Cholesterol And Kidney Function	P.I : Dr.Bipin Nair Co-P.I: Dr.T.G. Satish Babu, Dr.Guruvayurappan, Dr. Ramachandran	Department Of Biotechnology	76,05,200	3 years
10.	Modulation Of Micro Rna And Transcriptional Regulation Of Mmp-2 By Natural Products In Breast Cancer Cells.	P.I : Dr.Ayyapan Nair Co P.I : Dr.Bipin Nair	Department Of Biotechnology	67,00,200	3 years
11.	The Discovery Of Micro Rnas(Mirnas)That Regulate The Expression Of Gelatinase A (Matrix Metalloproteinase-2/Mmp-2) And B(Matrix Metalloproteinase9/ Mmp-9) In Colon Cancer	P.I : Dr.Ayyapan Nair Co P.I : Dr.Bipin Nair	Indian Council Of Medical Research	26,57,400	3 years
12.	Paratopsis: A Newer	P.I: Dr. Nandita	Science &	22,00,00	3 years

	Approach To Target Cancer	Mishra	Engineering Research Board, Department Of Science & Technology	0	
13.	Anarcadic Acid-A Novel Template For Cancer Therapy	P.I: Dr. Bipin Nair	Council Of Scientific And Industrial Research	11,08,667	3 years
14.	To Strengthen The Post-Graduate Teaching And Research Facilities In The Department On 50:50 Mode Being A Private Academic Institution	P.I: Dr. Bipin Nair	Fist, Department Of Science & Technology	88,00,000	5 years

18. Inter-institutional collaborative projects and associated grants received

f) National collaboration b) International collaboration

National

S. No.	Name of Department/ School in Amrita	Primary Contact in Amrita - Name & Designation	Name(s) of Collaborating Institution (s)	Primary Contact (Collaborator) – Name & Designation	Description of Research Programme (include details of amount, start date, duration, and project title)
1.	ASBT	Dr. Shyam Diwakar	IIT (Mumbai)	Dr. Sanjeeva Srivastava, Assistant Professor	MHRD project – Creation of Biotechnology Virtual Labs, Rs. 2.5 crores, Started in 2011, duration 2years

International

S. No	Name of Department/ School in Amrita	Primary Contact in Amrita - Name & Designation	Name(s) of Collaborating Institution (s)	Primary Contact (Collaborator) – Name & Designation	Description of Research Programme (include details of amount, start

		n			date, duration, and project title)
1.	ASBT	Dr. Bipin Nair	Scripps Research Institute, USA	Dr. Jeff Perry, Scientist	Natural Product Lead Discovery, Rs. 11 Lakhs, Started in April 2013, duration 3 years

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

FIST- funding for purchase of equipment and infrastructure support
TIFAC CORE – funding for Biomedical technology

20. Research facility / centre with

- state recognition
NIL
- national recognition
TIFAC CORE Centre for Biomedical technology
- international recognition
Amrita Agilent Analytical Centre

21. Special research laboratories sponsored by / created by industry or corporate bodies
With an aim to foster cutting-edge research, a facility named Amrita Agilent Analytical research centre was created. The centre provides state-of-the art mass spectrometer and HPLC services to the Amrita School of Biotechnology researchers and users within and outside of the Amrita University. Many research projects including natural product isolation and characterization and peptide and protein analysis were carried out.

22. Publications:

- * Number of papers published in peer reviewed journals (national / international): 51
- * Monographs: NIL
- * Chapters in Books: 01
- * Edited Books: NIL
- * Books with ISBN with details of publishers: 02
- * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): NIL
- * Citation Index – range / average
- * SNIP
- * SJR
- * Impact Factor – range / average: 4.3 (Average)
- * h-index

Also, fill out information in the table below.

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2008		1.	Title of the Paper: The Nse1-Nse3-Nse4 trimer, an Smc5-Smc6 subcomplex with DNA repair functions supported by the Nse1 RING-like motif. Authors: Perbernard S, Perry JJP, Tainer JA, Boddy MN Name of the Journal: Molecular Biology of the Cell Month and Year of Publication: Oct 2008 Volume No.: 19 Page No.: 4099-109	Impact Factor: 6.562
		2.	Title of the Paper: Structural basis of guanine nucleotide exchange mediated by the T-cell essential Vav1. Authors: Chrencik JE, Brooun A, Zhang H, Irampam M, Hura GL, Foster SA, Perry JJP, Ramage P, Widmer H, Bokach, Tainer JA, Gisbert Wechbecker, Kuhn P. Name of the Journal: Journal of Molecular Biology Month and Year of Publication: July 2008 Volume No.: 380 Page No: 828-43.	Impact factor: 4.89
		3.	Title of the Paper: A SIM-ultaneous role for SUMO and Ubiquitin Authors: Perry JJP, Tainer JA, Boddy MN Name of the Journal: Trends in Biochemical Sciences. Month and Year of Publication: May (2008) Volume No.: 33 Page No. 201-8	Impact factor: 13.863
	National Conference (Proceedings)	1	Title of the Paper: Gallic acid: Active principle from seabuckthorn leaf extract exhibits GLUT4 translocation and glucose uptake activity in 3T3-L1 cells Authors: Vishnu Prasad CN, Anjana T, Asoke Banerji, Anilkumar G Name of the Conference: 77th annual meeting of Society of Biological	

			Chemists India Duration of the Conference: 2008 December, 3 days Name of the Organizer: Society for Biological Chemists, India Conference Venue: IIT Chennai	
		2	Title of the Paper: Kaempferitrin inhibits GLUT4-mediated glucose uptake in 3T3-L1 adipocytes Authors: Vishnu Prasad CN, Suma Mohan S, Banerji A and Gopalakrishnapillai A Name of the Conference: 38th Annual Conference of the Endocrine Society of India Duration of the Conference: 2008 December, 3 days Name of the Organizer: Endocrine Society, India Conference Venue: AIMS, Cochin.	
2008	International Journal	7.	Title of the Paper: The Nse1-Nse3-Nse4 trimer, an Smc5-Smc6 subcomplex with DNA repair functions supported by the Nse1 RING-like motif. Authors: Perbernard S, Perry JJP, Tainer JA, Boddy MN Name of the Journal: Molecular Biology of the Cell Month and Year of Publication: Oct 2008 Volume No.: 19 Page No.: 4099-109	Impact Factor: 6.562
		1.	Title of the Paper: Structural basis of guanine nucleotide exchange mediated by the T-cell essential Vav1. Authors: Chrencik JE, Brooun A, Zhang H, Irimpam M, Hura GL, Foster SA, Perry JJP, Ramage P, Widmer H, Bokach, Tainer JA, Gisbert Wechbecker, Kuhn P. Name of the Journal: Journal of Molecular Biology Month and Year of Publication: July 2008 Volume No.: 380 Page No: 828-43.	Impact factor: 4.89
		2.	Title of the Paper: A SIM-ultaneous role for SUMO and Ubiquitin Authors: Perry JJP, Tainer JA, Boddy	Impact factor: 13.863

			MN Name of the Journal: Trends in Biochemical Sciences. Month and Year of Publication: May (2008) Volume No.: 33 Page No. 201-8	
2009	International Journal	1.	Title of the Paper: Contribution to structure and kinetic study of the role of tyrosine 34 in human manganese superoxide dismutase. Authors: Perry JJP, Hearn AS, Cabelli DE, Lepock JR, Tainer JA, Nick HS, Silverman DN. Name of the Journal: Biochemistry Month and Year of Publication: April 2009 Volume No.: 48 Page No.: 3417–3424	Impact factor: 3.633
		2.	Title of the Paper: Genome stability roles for SUMO-targeted ubiquitin ligases Authors: Heideker J, Perry JJP & Boddy MN. Name of the Journal: DNA repair Month and Year of Publication: Apr 2009 Volume No.: 5 Page No.: 517-24	Impact Factor: 5.868
		3.	Title of the Paper: Homology modeling of Glut4, an insulin regulated facilitated glucose transporter and docking studies with ATP and its inhibitors. Authors: Mohan SS, Perry JJP, Poulouse N, Nair BG, Anilkumar G. Name of the Journal: Journal of Biomolecular Structure and Dynamics Month and Year of Publication: Feb 2009 Volume No.: 26 Page No. 455-64.	Impact Factor: 1.12
	International Conference (Proceedings)	1	Title- Identification of novel variation in the promoter of glucose 6 phosphatase complex genes in patients with type 2 diabetes by single strand confirmation polymorphism PCR. Conference- 78th Annual Meeting, Society of Biological Chemists (India) 2009.	

			Authors - Balraj M, Anup Kumar Nair, Divya S, Anilkumar G, Harish Kumar.	
		2	Title- Lack of significant association of common variants in genes coding the Incretins with type 2 diabetes in a South Indian population. Conference - 78th Annual Meeting, Society of Biological Chemists (India) 2009. Authors - Divya Sugunan, Anup Kumar Nair, Anilkumar G, Harish Kumar	
2009	International Journal	1.	Title of the Paper: MAP kinase p38α C-terminal domain binding pocket characterized by crystallographic and computational Analyses. Authors: Perry JJP, Harris R, Moiani, D, Olson A & Tainer JA. Name of the Journal: Journal of Molecular Biology. Month and Year of Publication: Aug 2009 Volume No.: 285 Page No. 25699-707	Impact factor: 4.89
		2.	Title of the Paper: Flexibility Promotes Fidelity. Authors: Perry JJP, Hitomi K, Tainer JA. Name of the Journal: Structure. Month and Year of Publication: May 2009 Volume No.: 17 Page No. 633-4	Impact factor: 5.738
		3.	Title of the Paper: A molecular mimetic of SUMO promotes DNA repair. Authors: Perry JJP, Cotner-Gohara, E, Ellenberger T & Tainer, JA. Name of the Journal: Nature Structural & Molecular Biology. Month and Year of Publication: May 2009 Volume No.: 16 Page No. 509-516	Impact factor: 11.502
2009	International Journal	4.	Title of the Paper: Contribution to structure and kinetic study of the role of tyrosine 34 in human manganese superoxide dismutase. Authors: Perry JJP, Hearn AS, Cabelli	Impact factor: 3.633

			DE, Lepock JR, Tainer JA, Nick HS, Silverman DN. Name of the Journal: Biochemistry Month and Year of Publication: April 2009 Volume No.: 48 Page No.: 3417–3424	
		5.	Title of the Paper: Genome stability roles for SUMO-targeted ubiquitin ligases Authors: Heideker J, Perry JJP & Boddy MN. Name of the Journal: DNA repair Month and Year of Publication: Apr 2009 Volume No.: 5 Page No.: 517-24	Impact Factor: 5.868
		6.	Title of the Paper: Homology modeling of Glut4, an insulin regulated facilitated glucose transporter and docking studies with ATP and its inhibitors. Authors: Mohan SS, Perry JJP, Poulouse N, Nair BG, Anilkumar G. Name of the Journal: Journal of Biomolecular Structure and Dynamics Month and Year of Publication: Feb 2009 Volume No.: 26 Page No. 455-64.	Impact Factor: 1.12
2010 International Journal		1	Title of the Paper: Identification of a coiled-coil in WRN that facilitates multimerization and promotes exonuclease processivity. Authors: Perry JJP, Asiathamby A, Barnebey A, Kiamanesh F, Chen DJ, Han S, Tainer JA & Yannone SM. Name of the Journal: Journal of Biological Chemistry Month and Year of Publication: Aug 2010 Volume No.: 285 Page No. 25699-707	Impact factor: 5.440
		2	Title of the Paper: Structural dynamics in DNA damage signaling repair. Authors: Perry JJP, Cotner-Gohara, E, Ellenberger T & Tainer, JA. Name of the Journal: Current Opinion in Structural Biology. Month and Year of Publication: June 2010	Impact Factor: 10.015.

2010 International Journal		Volume No.: 20 Page No. 1-12	
	3	Title of the Paper: The Structural Biochemistry of the Superoxide Dismutases. Authors: Perry JJP, Cotner-Gohara, E, Ellenberger T & Tainer, JA. Name of the Journal: Biochemica et Biophysica Month and Year of Publication: Feb 2010 Volume No.: 1804 Page No. 245-262	Impact Factor: 2.480
	4	Title of the Paper: Case-control analysis of SNPs in GLUT4, RBP4 and STRA6: association of SNPs in STRA6 with type 2 diabetes in a South Indian population. Authors: Anup Kumar Nair, Divya Sugunan, Harish Kumar, Gopalakrishnapillai Anilkumar. Name of the Journal: PloS One Month and Year of Publication: July, 2010 Volume No: 5 Page No: e11444	Impact Factor- 4.351 (PloS One)
	5	Title of the Paper: A case-control analysis of common variants in GIP with type 2 diabetes and related biochemical parameters in a South Indian population. Authors: Divya Sugunan, Anup Kumar Nair, Harish Kumar, Gopalakrishnapillai Anilkumar Name of the Journal: BMC Medical Genetics Month and Year of Publication: July 2010 Volume No: 11 Page No- E article	Impact Factor- 2.84
	1.	Title of the Paper: Identification of a coiled-coil in WRN that facilitates multimerization and promotes exonuclease processivity Authors: Perry J.J.P, Asiathamby A., Barnebey A., Kiamanesh F., Chen D.J., Han S., Tainer J.A. & Yannone S.M. Name of the Journal: Journal of Biological Chemistry Month and Year of Publication: Aug 2010 Volume No.: 285 Page No. 25699-707	Impact factor: 5.440

	2	Title of the Paper: Structural dynamics in DNA damage signaling repair Authors: Perry J.J.P., Cotner-Gohara E., Ellenberger T. & Tainer J.A. Name of the Journal: Current Opinion in Structural Biology. Month and Year of Publication: June 2010 Volume No.: 20 Page No.1-12	Impact Factor: 10.015.
	3.	Title of the Paper: The Structural Biochemistry of the Superoxide Dismutases Authors: Perry J.J.P., Cotner-Gohara E., Ellenberger T. & Tainer J.A. Name of the Journal: Biochemica et Biophysica Month and Year of Publication: Feb 2010 Volume No.: 1804 Page No. 245-262	Impact Factor: 2.480
	4	Title of the Paper: Case-control analysis of SNPs in GLUT4, RBP4 and STRA6: association of SNPs in STRA6 with type 2 diabetes in a South Indian population Authors: Anup Kumar Nair, Divya Sugunan, Harish Kumar, Gopalakrishna Pillai, Anilkumar Name of the Journal: PloS One Month and Year of Publication: July, 2010 Volume No: 5 Page No: e11444	Impact Factor- 4.351 (PloS One)
	5	Title of the Paper: A case-control analysis of common variants in GIP with type 2 diabetes and related biochemical parameters in a South Indian population Authors: Divya Sugunan, Anup Kumar Nair, Harish Kumar, Gopalakrishna Pillai, Anilkumar Name of the Journal: BMC Medical Genetics Month and Year of Publication: July 2010 Volume No: 11 Page No- E article	Impact Factor- 2.84
2011 International Journal	1	Title: SUMO-Targeted Ubiquitin Ligase, Rad60, and Nse2 SUMO Ligase Suppress Spontaneous Top1-Mediated DNA Damage and Genome Instability. Authors: Heideker J., Prudden J., Perry	Impact factor: 9.532

			J.J.P., Tainer J.A., Boddy M.N. Name of Journal: PloS genetics Year and doi: 2011, e1001320 doi:10.1371/journal.pgen.1001320	
		2	Title: All Stressed Out Without ATM Kinase Authors: Perry J.J.P., Tainer J.A. Name of Journal: Science signaling Volume: 4 Issue: 167 Article Number: pe18 Published: Apr 5 2011	Impact Factor: 7.5
		3	Title of the Paper: Enhanced Facilitation of Biotechnology Education in Developing Nations via Virtual Labs: Analysis, Implementation and Case-studies. Authors: Shyam Diwakar, Krishnashree Achuthan, Prema Nedungadi and Bipin Nair Name of the Journal: International Journal of Computer Theory and Engineering Year: 2011 Volume No.: 3 Pages:1-8	Impact Factor: 1
		4	Title of the Paper: Collaborative & Accessibility Platform for Distributed Virtual Labs. Authors: P.Nedungadi, R.Raman, K.Achuthan, S. Diwakar Name of the Conference: IAJC-ASEE International Conference Month and Year of Publication: April 29-30, 2011	
		5	Title of the Paper: Taking Project Tiger to the Classroom: A Virtual Lab Case Study. Authors: H.Parasuram, B. Nair, K.Achuthan, S. Diwakar Name of the Conference: International conference on advances in computing and communications, Springer Communications in Computer and Information Science. Month and Year of Publication: July 22-24, 2011	
2011	International Journal	1	Title: Integrating Collaboration and Accessibility for Deploying Virtual Labs using VLCAP Authors: Raman R., Nedungadi P.,	Impact factor: NA

			Achuthan K., Diwakar S. Name of Journal: International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies Year and doi: 2011,	
2011	International Journal	2	Title: A modeling based study on the origin and nature of evoked post-synaptic local field potentials in granular layer Authors: Parasuram H., Nair B., Naldi G., D'Angelo E., Diwakar S. Name of Journal: Journal of Physiology- Paris Year and doi: 2011, 10.1016/j.jphysparis.2011.07.011	Impact factor: 1.306
2011	International Journal	3	Title: A.Quantitative Tissue Prometrics Of Esophageal Squamous Cell Carcinoma For Novel Biomaker Discovery. Authors: Pawan H., Kashyap M.K., Sahasrabudde N.A, Renuse S., Harsha H.C, Kumar P., Sharma J., Kandasamy K., Marimuthu A., Nair B.G., Rajagopalan S., Maharudraiah j., Premalatha C.S, Kumar K.V., Vijayakumar M., Chaerkady R., Prasad T.S., Kumar R.V, Kumar R.V Name of Journal: Year and doi: Cancer Biology And Therapy, (2011), 12(6), 510-522 .	Impact factor: 2.64
2011	International Journal	4	Title: Fragmentation of fibronectin by inherent autolytic and matrix metalloproteinase activities Authors: Steffensen B., Chen Z., Pal S., Mikhailova M., Su J., Wang Y., Xu X. Name of Journal: Matrix Biology Year and doi: 2011,Sep	Impact factor: 3.929
2011	International Journal	5	Title: The VALUE @ Amrita Virtual Labs Project Using Web Technology to Provide Virtual Laboratory Access to Students Authors: Krishnashree Achuthan, Sreelatha K. S., Shone Surendran, Shyam Diwakar, Prema Nedungadi, Steven Humphreys, Sreekala C.O., Zeena Pillai, Raghu Raman, Ani Deepthi, Rathish	Impact factor: 1.00

			Gangadharan, Saritha Appukuttan, Jyothi Ranganatha, Sreedha Sambhudevan, Suma Mahesh Name of Journal: 2011 IEEE Global Humanitarian Technology Conference Year and doi: 10.1109/GHTC.2011.79	
2012	International Journal	1	Title: Modeling spike-train processing in the cerebellum granular layer and changes in plasticity reveals single neuron effects in neural ensembles Authors: Medini C., Nair B., D'Angelo E., Naldi G., Diwakar S. Name of Journal: Computational Intelligence and Neuroscience Year and doi: 2012, 10.1155/2012/359529	Impact factor: NA
2012	International Journal	2	Title: Role of ICT-enabled visualization-oriented virtual laboratories in Universities for enhancing biotechnology education – VALUE initiative: Case study and impacts Authors: Nair B., Krishnan R., Nizar N., Radhamani R., Rajan K., Yoosef A., Sujatha G., Radhamony V., Achuthan K., Diwakar S. Name of Journal: FormaMente Year and doi: 2012,	Impact factor: NA
2012	International Journal	3	Title: Sakshat Labs: India's Virtual Proteomics Initiative Authors: Ray S., Koshy N., Diwakar S., Nair B., Srivastava S. Name of Journal: PLOS Biology Year and doi: 2012, 10.1371/journal.pbio.1001353	Impact factor: 4.4
2012	International Journal	4	Title: Organic Bulk heterojunction Solar cell based on Rosebengal: ncTiO ₂ and Parameter Extraction by Simulation Authors: C.O.Sreekala, Saneesh P.F., Sreelatha K.S., Krishnashree A. and Roy M.S. Name of Journal: Advanced Materials Research — MemS, Nano and Smart Systems Year and doi: 2012 and doi:10.4028/www.scientific.net/AMR-403-408.4304	Impact factor: 0.82
2012	International Journal		Title: Influence of Solvents and Surface treatment on Photovoltaic response of	Impact factor: 1.048

		5	DSSC based on natural curcumin dye Authors: Sreekala C.O., Jinchu.I, Sreelatha K.S., Yojana Janu, Narottam Prasad, Manish Kumar and Roy M. S. Name of Journal: IEEE Journal of Photovoltaics Year and doi: 2012 and doi: 10.1109/JPHOTOV.2012.2185782	
2012	International Journal	6	Title: DAB-Am-4 based colorimetric receptors for fluoride and pyrophosphate anions Authors: Mannish Khandelwal, In-Chul Hwang, Prakash Chandran R.Nair, Name of Journal: Journal of Fluorine Chemistry Year and doi: 135, 339	Impact factor: 1.95
2012	International Journal	7	Title: Multi-Electron Donor Organic Molecules Containing Hydroquinone Methyl-Ether as Redox Active Units Authors: Manish Khnadelwal, In-Chul Hwang, Prakash Chandran R.Nair, and Jung-Woo lee Name of Journal: Bull. Korean Chem. Soc Year and doi: 33,4, 1190	Impact factor: 0.9
2012	International Journal	1.	Title of the Paper: Modeling Spike-Train Processing in the Cerebellum Granular Layer and Changes in Plasticity Reveal Single Neuron Effects in Neural Ensembles Authors: C. Medini, B. Nair, E. D. Angelo, G. Naldi, and S. Diwakar Name of the Journal: Computational Intelligence and Neuroscience Month and Year of Publication: doi:10.1155/2012/359529 Volume No. : Volume 2012, Article ID 359529 Page No. 17 pages	Still computing
		2.	Title of the Paper: Anacardic Acid Inhibits the Catalytic Activity of Matrix Metalloproteinase-2 and Matrix Metalloproteinase-9. Authors: A. Omanakuttan, J. Nambiar, R. M. Harris, C. Bose, N. Pandurangan, R. K. Varghese, G. B. Kumar, J. A. Tainer, A. Banerji, J. Jefferson, P. Perry, and B.G. Nair Name of the Journal: Molecular	4.41

			Pharmacology Month and Year of Publication: 2012. Volume No. 82 Page No. 614–622	
		3.	Title of the Paper: Organic Bulk Heterojunction Solar Cell Based on Rosebengal: ncTiO ₂ and Parameter Extraction by Simulation Authors: C.O. Sreekala, P.F. Saneesh, K.S. Sreelatha, A. Kishnashree and M.S. Roy Name of the Journal: Advanced Materials Research Month and Year of Publication: 2012 Volume No. 403-408 Page No. 4304-4310	Still computing
		4.	Title of the Paper: Gold nanoparticle–polypyrrole composite modified TiO ₂ nanotube array electrode for the amperometric sensing of ascorbic acid. Authors: T. G. S. Babu, D. Varadarajan, G. Murugan, T. Ramachandran and B. G. Nair Name of the Journal: Journal of Applied Electrochemistry Month and Year of Publication: 2012 Volume No. 42 Page No. 427-434	1.83
		5.	Title of the Paper: Role of ICT-enabled visualization-oriented virtual laboratories in Universities for enhancing biotechnology education - VALUE initiative: Case study and impacts. Authors: B.G. Nair, R. Krishnan, N. Nizar, R. Radhamani, K. Rajan, A. Yoosef, G. Sujatha, V. Radhamony, K. Achuthan and S. Diwakar Name of the Journal: FORMAMENTE Month and Year of Publication: 2012 Volume No. Page No. 209-226	Still Computing
		6.	Title of the Paper: Sakshat Labs: India's Virtual Proteomics Initiative. Authors: S. Ray, N. R. Koshy, S. Diwakar, B.G. Nair and S. Srivastava Name of the Journal: PLOS Biology Month and Year of Publication: 2012 Volume No. 10 Page No. e1001353	11.45
		7.	Title of the Paper: Influence of Solvents	Not available

			and Surface Treatment on Photovoltaic Response of DSSC Based on Natural Curcumin Dye. Authors: C. O. Sreekala, I. Jinchu, K. S. Sreelatha, Y. Janu, N. Prasad, M. Kumar, A. K. Sath, and M. S. Roy Name of the Journal: IEEE JJournal of Photovoltaics Month and Year of Publication: July 2012. Volume No. VOL. 2, NO. 3 Page No. 312-319	
2012	1		Title of the Paper: Remote Triggered Photovoltaic Solar Cell Lab: Effective Implementation Strategies for Virtual Labs, Authors: J. Freeman, A. Nagarajan, M. Parangan, D. Kumar, S. Diwakar and K. Achuthan Name of the Conference: Proceedings of ICTEE 2012 IEEE Conference on Technology Enhanced Education Duration of the Conference: Jan 3-5, 2012. Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
	2		Title of the Paper: Mass spectrometric characterization of a novel antimicrobial peptide isolated from Clitoria ternatea Authors: A. Neethu, W. Schrenk, B. G. Nair, S.S. Nair Name of the Conference: International Conference on Advances in Biological Sciences (ICABS) Duration of the Conference: March 2012. Name of the Organizer: Conference Venue: Kannur, Kerala (India) Page No: Proceedings Published By: Springer	
	3		Title of the Paper: Identification, purification and mass spectrometric characterization of two novel cyclic peptides from Clitoria ternatea Authors: S.S. Nair, P. Balaram and K.P. Laladhas Name of the Conference: First National Biodiversity Congress-India Duration of the Conference: December 2012. Name of the Organizer:	

			Conference Venue: Thiruvananthapuram, Kerala (India), Page No: Proceedings Published By:	
		4	Title of the Paper: Constraining extracellular matrix by modeling local field potential Authors: H. Parasuram and S. Diwakar Name of the Conference: INCF workshop – India Duration of the Conference: Nov. 5-7, 2012 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		5	Title of the Paper: Cerebellar neural dynamics with spiking neurons show generalization for inverse kinematics problem Authors: A. Vijayan and S. Diwakar Name of the Conference: , INCF workshop – India Duration of the Conference: 5-7, 2012. Name of the Organizer: Conference Venue: Nov. 5-7, 2012. Page No: Proceedings Published By:	
		6	Title of the Paper: Modeling cerebellar granular layer microcircuitry reveals role of single neurons in spatiotemporal encoding Authors: C. Medini and S. Diwakar Name of the Conference: INCF workshop – India Duration of the Conference: Name of the Organizer: Conference Venue: INCF workshop – India Page No: Proceedings Published By:	
		7	Title of the Paper: Quantifying stimulus information in spike trains during plasticity Authors: M. Nair and S. Diwakar Name of the Conference: Duration of the Conference: Name of the Organizer: Conference Venue: INCF workshop – India	

			Page No: Nov. 5-7, 2012. Proceedings Published By:	
2013		1	Title of the Paper: Gossypetin, a naturally occurring hexahydroxy flavone ameliorates gamma radiation mediated DNA damage Authors: A. Khan , K. Manna , C. Bose , M. Sinha, D. Kr. Das , S. B. Kesh , A. Chakraborty , A. Banerji and S. Dey Name of the Journal: International Journal of Radiation Biology Month and Year of Publication: 2013. Volume No. Ahead of print Page No.	2.12
		2	Title of the Paper: BIOQUEST India: A Global Biotechnology Forum for Knowledge-Based Innovation and Sustainable Development Authors: D. Malhotra, S. Diwakar, B. Nair and S. Srivastava Name of the Journal: Current Pharmacogenomics and Personalized Medicine (CPPM) Month and Year of Publication: 2013. Volume No. : 11 Page No. : 8-11	Still computing
2013	International Conference (Proceedings)	1.	Title of the Paper: Classification of Robotic Arm Movement using SVM and Naïve Bayes Classifiers Authors: A. Vijayan, C. Medini, H. Singanamala, C. Nutakki, B.G. Nair and S. Diwakar Name of the Conference: Proceedings of Third International Conference on Innovative Computing Technology (INTECH 2013) Duration of the Conference: Aug 29-31, 2013. Name of the Organizer: Conference Venue: London Page No: Proceedings Published By:	

23. Details of patents and income generated

S. No.	Title of the Patent / Invention	Name(s) of the staff	Month and Year of Patent Registration / Invention	Patent / Invention Details	Income generate

1.	Dual Microcontroller Based Liquid Infusion System	Dr. Bipin Nair, Dean	USPTO Patent No: 8,034,019 B2	Automated Insulin pump	NIL

24. Areas of consultancy and income generated
DBT Task Force membership – Women Scientist Scheme
Dr. Bipin Nair has been selected to the post of associate editor, Current Pharmacogenomics and Personalized Medicine.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad faculty recognition

S. No.	Name and Designation of the Staff member	Name of the Award / Recognition received	Name of the Agency	Month & Year of receiving the award / recognition
1.	Dr. Shyam Diwakar	Senior member, IACSIT	International Association of Computer Science and Information Technology	AUG 2009 – now
2.	Dr. Prakash Chandran	Erasmus Mundus Visiting Faculty	Dipartimento di Chimica "G. Ciamician" Universita' di Bologna, Italy	May 2010
3.	Dr. Shyam Diwakar	Visiting Researcher	University of Milan	2010

26. Faculty serving in

- h) National committees:

Dr. Bipin Nair has been selected as a member of the BioCAre , an initiative of DBT, India. He is also selected as a member of the governing body, NCCS, Pune.

- i) International committees: NIL

- j) Editorial Boards:

Dr. Bipin Nair has been selected to the post of associate editor, Current Pharmacogenomics and Personalized Medicine.

- k) any other (please specify): NIL

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions**

S. No	School Name	Department Name	Programme Name	Dates: (DD/MM/YY)	# Attendee	Location / Venue

				to DD/MM/YY)	s	
1	ASBT	ASBT	Pathophysiology of Diabetes & the Drug Discovery Process by Dr. K.G. Rajendran, Associate Vice President – Knowledge Cell , U S Vitamins Mumbai	20th October, 2008		
2.	Amrita School of Bio-technology	Biotechnology	Chemical Genomics	27/10/09		ASBT, Amritapuri
3.	Amrita School of Bio-technology	Biotechnology	Brownian dynamics simulation of Biomolecules	10/11/09		ASBT, Amritapuri
4.	Amrita School of Bio-technology	Biotechnology	Nanobiotechnology- Recent research perspective	17/11/09		ASBT, Amritapuri
5.	Amrita School of Bio-technology	Biotechnology	Computational Drug Designing	24/11/09		ASBT, Amritapuri
6.	Amrita School of Bio-technology	Biotechnology	Plant Tissue Culture – Concepts, Techniques and Applications	08/12/09		ASBT, Amritapuri
7.	Amrita School of Bio-technology	Biotechnology	Studies on the modulators of GLUT4, an Insulin Regulated Glucose transporter	03/02/10		ASBT, Amritapuri
8.	Amrita School of Bio-technology	Biotechnology	Molecular dynamic studies of GLUT4, an Insulin Regulated Glucose transporter and	10/02/10		ASBT, Amritapuri

			an insight into glucose transport mechanism			
9.	Amrita School of Bio-technology	Biotechnology	In search of life in other worlds	10/03/10		ASBT, Amritapuri
10.	Amrita School of Bio-technology	Biotechnology	Understanding Congenital Heart Disease	17/03/10		ASBT, Amritapuri
11.	Amrita School of Bio-technology	Biotechnology	Activity of chlorine species in wound healing	28/04/10		ASBT, Amritapuri
12.	Amrita School of Bio-technology	Biotechnology	Bioremediation and its future prospects	05/05/10		ASBT, Amritapuri
13.	Amrita School of Biotechnology	NA	Mini Workshop by Dr. Mariam, Clinical Psychologist, USA	17/12/10	All faculty members	Conference Room, ASBT
14.	ASBT	NA	FDP	22nd Jul 2011 to 25th Jul 2011	All faculty members	Seminar Room, ASBT

Participation of Amrita Faculty in Faculty Development Programmes conducted **by Other Institutions**

S. No	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants***
1	Rational (IBM)	Techno Park, TVM.	IBM Rational Software Developmental Conference	28/08/08	Ms. Nidheesh M
2	National Seminar on Biotechnology for a Clean Environment	Sree Narayana College, Kollam.	Pharmaceutical Industry & Environment	15/10/08	Dr. Bipin Nair
3	Invited Talk	University of Milan, Italy.	Invited Talk	17/11/08 to 17/11/08	Dr. Bipin Nair
4	Joint Academies'	Mar Ivanios College,	Analytical Chemistry and	11/12/08 to 12/12/08	Ms. Suma Mahesh S

	Lecture Workshop	Thiruvananthapuram.	Environmental Sciences		
5	SBC Annual Meeting 2008	IIT, Madras, Chennai.	Society of Biological Chemists Annual Meeting 2008	18/12/08 to 20/12/08	Ms.Nidhina Haridas P A
6	ESICON	AIMS, Cochin.	Biotechnology	18/12/08 to 19/12/08	Ms. C.N. Vishnu Prasad
7	77th Annual Meeting	IIT Madras, Chennai.	Society of Biological Chemists (India)	20/12/08	Ms. C.N. Vishnu Prasad
8	Life Science	IIT, Chennai.	77th Conference of Society of Biological Chemist.	18/12/08 to 20/12/08	Ms. Aswathy S & Ms. Suma Mohan S
9	National conference of the association of Physiologists & Pharmacologists of India	Kasturba Medical College, Mangalore	APPICON - 2008	29/12/08 to 30/12/08	Ms. Jayalekshmi. H
10	ABLE	The Taj Residency, Bangalore.	Biotech Licencing Master Class	15/06/09 to 16/06/09	Dr. Bipin Nair
11	Bangalore Bio 2009	IIT, Bangalore.	Medical Devices, Diagnostics & Informatics	18/06/09 to 20/06/09	Dr. Bipin Nair
12	Research Forum Inaguration	College Auditorium, Chengannur.	Inaugural Address	16/10/09	Dr. Bipin Nair
13	National Workshop on “Syntheses, Characterization and Applications of Nanomaterials” NWNM – 2010	Mahatma Gandhi University, Kottayam.	Nano workshop Nanoscience and Nanotechnology	12/01/10 to 14/01/10	Ms. Sreekala C.O.
14	Department of life Sciences University of Calicut.	Seminar Complex, Calicut	“Lead discovery from natural products”	12/01/10 to 13/01/10	Dr. Bipin Nair
15	Indian Association for Cancer	AIMS , Cochin.	Cancer & Stem Cell Biology.	20/02/10 to 23/2/10	Mr. John Stanley &

	Research 29th Annual Convention.				Ms. Aswathy. A
16	Dept of CE & MS, Dept. ofEEE, Coimbatore.	Dept. of Chemical Engg. & Materials Science Dept. of Electricawl & Electronics Engg. Ettimadai, Coimbatore.	International Conference on Photochemical Conversion of SOLAR ENERGY	29/03/10 TO 30/03/10	Ms. Sreekala C. O.
17.	European Science Foundation at Oberburgi, Austria		Nanotechnology for Sustainable Energy	04/07/10 to 09/07/10	Ms. Sreekala C O
18.	Academic Staff Collage, Kerala University		Invited talk	06/08/10	Dr. Bipin Nair
19.	Advances in Computing and Communications - 2011	Rajagiri School of Engineering and technology, Kochi.	Virtual Lab Case Study	22/07/11 to 24/07/11	Mr. Harilal Parasuram
20.	Department of Physics	Trips -2011, Department of Physics, Sree Sankara College, Kalady.	Trends in Physical Sciences	21/07/11 to 22/07/11	Mrs. Sreekala C. O
21.	Cold Spring Harbour Asia	Computational & Cognitive Neurobiology, Suzhou, China	Cold spring Harbor Asia Primus Inter Pares	16/07/11 to 30/07/11	Mr. R Krishna Chaitanya M.
22.	Brain and cognition workshop Indian Institute of Science , Bangaluru	Bangalore	Indian Institute of Science , Bangaluru	05/07/11 to 14/07/11	Mr. Harilal Parasuram
23.	International Conference on society, technology and sustainable development, 2011	Amrita Vishwa Vidyapeetham, Dept. of social work, Suny Buffalo. AIMS, Kochi.	International Conference on society, technology and sustainable development.	03/06/11 to 05/06/11	Bri. Praseena
24.	Biomaterials, elsevier, SCTIMST, TV M & DST	SCTIMST, TVM & DST	New Visions for Biomaterials and	16/03/11 to 17/03/11	Dr. Sanjay Pal, Dr. Sobha V Nair &

			Regenerative Medicine		Dr. Prakash Chandran
25.	DBT & GKVK	Bangalore	Bioprospecting meeting	10/03/11 to 11/03/11	Dr. Ayyappan Nair
26.	Royal Society of Chemistry, IICT, NIPER.	NIPER/IICT, Hyderabad.	MEDCHEM Congress 2011	25/02/11 to 26/02/11	Chinchu Bose
27.	A National Programme implemented by Department of Science and Technology.	Nirmala College, Muvattu-puzha, EKM.	INSPIRE Internship a science motivation programme for young talents.	11/01/11 to 15/01/11	Dr. Asoke Banerji
28.	KSCSTE	Kaloor, Kochi	Colloquium on R&D – Industry interface for Biotechn Development in Kerala	12/01/11	Dr. Bipin Nair
29.	79th Annual Meeting of the Society of Biological Chemists.	National Science Seminar Complex, Indian Institute of Science, Bangalore, India.	Regulation of Biochemical and Cellular Processes in Diverse Systems.	13/12/2010 to 15/12/2010	Ms. Athira. O
30.	Systems Biology Centre of Bioinformatics Karyavattom Campus	Technopark Campus, Thiruvananthapuram.	Biodesign India 1.0	7/10/10 to 9/10/10	Ms. Asha Vijayan
31.	Manipal University	Manipal	62nd Indian Pharmaceutical Congress 2010	06/08/10	Dr. Bipin Nair
32.	Neurosciences, India	Indian Academy of Neurosciences	Life member of the Indian Academy of Neurosciences	2012	Mr. Nidheesh M
33	Organizer, V.S. Chakravarthy, IITM	IITM (Chennai), IMSC (Chennai)	INCF-Neuroinformatics of sensory-motor integration: modeling and imaging from the worm to the human nervous system	05/11/12 to 07/11/12	Mr. Nidheesh M
34	Organizer,	IITM	INCF-	05/11/12 to	Ms. Asha

	V.S. Chakravarthy , IITM	(Chennai), IMSC (Chennai)	Neuroinformatics of sensory-motor integration: modeling and imaging from the worm to the human nervous system	07/11/12	Vijayan
35	INCF(International Neuroinformatics Coordinating Faculty	IITM (Chennai), IMSC (Chennai)	INCF-Neuroinformatics of sensory-motor integration: modeling and imaging from the worm to the human nervous system	05/11/12 to 07/11/12	Mr. R Krishna Chaitanya M.
36	Introduction to Research Methodologies	IIIT, Bombay	ISTE Workshop	25 /06/12 to 04/07/12	Ms. Suma Mahesh
37	Introduction to Research Methodologies	IIIT, Bombay	ISTE Workshop	25 /06/12 to 04/07/12	Ms. Asha Vijayan
38	Introduction to Research Methodologies	IIIT, Bombay	ISTE Workshop	25 /06/12 to 04/07/12	Ms. Jyotsna Nambiar
39	Introduction to Research Methodologies	IIIT, Bombay	ISTE Workshop	25/ 06/12 to 04 /07/12	Ms.Aswathy A
40	Introduction to Research Methodologies	IIIT, Bombay	ISTE Workshop	25 /06/12 to 04/07/12	Ms. Jayalekshmi H
41	Systems Science and Informatics Unit , Bangalore	(INNNI), (SSIU),Bangalore	Indian Neuroinformatics and Computational Neuroscience Summer Course 2012	04/06/12 to 12/06/12	Ms. Asha Vijayan
42	Systems Science and	(INNNI), (SSIU),Bangalore	Indian Neuroinformatics	04 /06/12 to	Mr. Harilal Parasuram

	Informatics Unit, Bangalore	lore	cs and Computational Neuroscience Summer Course 2012	12 /06/12	
43	Amrita School Of Engineering, Amritapuri	Amritapuri	Two Week ISTE- Workshop on introduction to research methodology	26/06/12 to 04/07/12	Dr.Asha R.Pai
44	AVVP	Amritapuri Campus	Awarded to Certification of appreciation	27/04/12	Mr. Harilal Parasuram
45	CEN,IIT Bombay	IIT Bombay	Hands on the training workshop	23/04/12 to 27/04/12	Dr. Asha R.Pai
46	Kairali Heritage, Kattampally, kannur, kerela, india	Organize by kannur University	International conference on advances in Biological Sciences (ICABS)	15/03/12 to 17/03/12	Dr. Sudarshlal.S
47	National Institute for Interdisciplin ary Sci & Technology	Trivandrum	Workshop on frontiers in organiv synthesis and Drugs discovery 2012	01/03/12 to 02/03/12	Dr. Shobha V. Nair and Dr. R. Prakash Chandran
48	Amrita center for NANO Sciences and Molecular medicine,Ko chi, Kerala	Kochi, Kerala	Second Internatioanl conference on nanotechnolog y	21/02/12 To 23/02/12	Dr.Sanjay Pal and Dr. Nandita Mishra
49	Amrita center for NANO Sciences and Molecular medicine, Kochi, Kerala	Kochi, Kerala	NANOBIO - 2012, International Conference	21/02/12 To 23/02/12	Dr.Asha R.Pai
50	School of chemical sciences, Mahatama Gandhi	Mahatama Gandhi university, Kottayam, Kerala	Dr.C.V. Asokan Memorial lecture 2012	03/02/12	Dr. Shoba V. Nair and Dr. Prakash Chandran

	university,Kottayam, Kerala				
51	IEEE International Conference for Technology Enhanced Education	Amritapuri Campus	Amrita's International Workshop	05 /01/12	Ms. Suma Mahesh
52	IEEE International Conference for Technology Enhanced Education	Amritapuri Campus	Amrita's International Workshop	03/01/12 to 05/01/12	Mr. Harilal Parasuram
53	IEEE International Conference for Technology Enhanced Education	Amritapuri Campus	Amrita's International Workshop	03/01/12 to 05/01/12	Mr. R Krishna Chaitanya M.
54	University of Delhi, New Delhi	New Delhi	International Conference on Nanotechnology, ICNANO-11	18/12/11 to 21/12/11	Dr. Asha R.Pai
55	ASBT, & Institute of Bioinformatics, Bangalore	ASBT	Proteomics and Genomics Workshop	18 /11/11 to 19 /11/11	Ms. Asha Vijayan
56	ASBT, & Institute of Bioinformatics, Bangalore	ASBT	Proteomics and Genomics Workshop	18 /11/11 to 19 /11/11	Ms. Athira Omanakuttan
57	ASBT, & Institute of Bioinformatics, Bangalore	ASBT	Proteomics and Genomics Workshop	18 /11/11 to 19 /11/11	Ms. Jyotsna Nambiar-
58	ASBT, & Institute of Bioinformatics, Bangalore	ASBT	Proteomics and Genomics Workshop	18/11/11 to 19/11/11	Ms. Aswathy A and Dr. Asha R Pai
59	National Brain Research Centre, Haryana	NBRC, Haryana	Introductory Workshop on Neuroinformatics at National Brain Research Centre	01/11/11 to 03 /11/11	Mr. Harilal Parasuram
60	Defence	XXIX Annual	Poster	30/10/11 to	Mr. Nidheesh

	Institute of Physiology & Allied Sciences, Delhi	Conference of Indian Academy of Neurosciences, New Delhi	Presenter	01/11/11	M
61	Defence Institute of Physiology & Allied Sciences, Delhi	XXIX Annual Conference of Indian Academy of Neurosciences, New Delhi	Poster Presenter	30/10/11 to 01 /11/11	Mr. Harilal Parasuram
62	Advances in Computing and Communications - 2011	Rajagiri School of Engineering and technology, Kochi.	Virtual Lab Case Study	22/07/11 to 24/07/11	Mr. Harilal Parasuram
63	Department of Physics	Trips -2011, Department of Physics, Sree Sankara College, Kalady.	Trends in Physical Sciences	21/07/11 to 22/07/11	Mrs. Sreekala C. O
64	Cold Spring Harbour Asia	Computational & Cognitive Neurobiology , Suzhou, China	Cold spring Harbor Asia Primus Inter Pares	16/07/11 to 30/07/11	Mr. R Krishna Chaitanya M.
65	Brain and cognition workshop Indian Institute of Science , Bangaluru	Bangalore	Indian Institute of Science , Bangaluru	05/07/11 to 14/07/11	Mr. Harilal Parasuram
66	ICSTSD, Kochi	Amrita Institute of Medical Science , Kochi	First Annual International Conference on Society , Technology and Sustainable Development, organised by the Department of Social Work, SUNY Buffalo, Medical Science, Kochi.	03 /06/11 to 05 /06/11	Bri. Praseena

67	Department of chemical engineering	Amrita Vishwa Vidyapeetham, Ettimadai	Lecture series-Dye Sensitise solar Cells-One Week	18/03/11 to 25/03/11	Dr. Asha R Pai
68	Biomaterials, el -sevier, SCTIMST,T VM & DST	SCTIMST,T VM & DST	New Visions for Biomaterials and Regenerative Medicine	16/03/11 to 17/03/11	Dr. Sanjay Pal, Dr. Sobha V Nair & Dr. Prakash Chandran ,
69	DBT & GKVK	Bangalore	Bioprospecting meeting	10/03/11 to 11/03/11	Dr. Ayyappan Nair
70	Royal Society of Chemistry, IICT, NIPER.	NIPER/ IICT, Hyderabad.	MEDCHEM Congress 2011	25/02/11 to 26/02/11	Chinchu Bose
71	School of chemical sciences, Mahatama Gandhi university,Kottayam, Kerala	Mahatama Gandhi university, Kottayam, Kerala	Dr. C.V. Asokan Memorial lecture 2012	03/02/11	Dr. Shoba V. Nair and Dr. Prakash Chandran
72	A National Programme implemented by Department of Science and Technology.	Nirmala College, Muvattupuzha,EKM.	INSPIRE Internship a science motivation programme for young talents.	11/01/11 to 15/01/11	Dr. Asoke Banerji
73	KSCSTE	Kaloor, Kochi	Colloquium on R&D – Industry interface for Biotechn Development in Kerala	12/01/11	Dr. Bipin Nair
74	VALUE @ Amrita's workshop on Virtual Labs in Physical & Chemical Sciences	Amritapuri Campus	Amrita's Workshop	07/01/ 11	Ms. Suma Mahesh
75	79th Annual	National	Regulation of	13/12/2010	Ms. Athira. O

	Meeting of the Society of Biological Chemists.	Science Seminar Complex, Indian Institute of Science, Bangalore, India.	Biochemical and Cellular Processes in Diverse Systems.	to 15/12/2010	
76	Systems Biology Centre of Bioinformatics Karyavattom Campus	Technopark Campus, Thiruvananthapuram.	Biodesign India 1.0	7/10/10 to 9/10/10	Ms. Asha Vijayan
77	Manipal University	Manipal	62nd Indian Pharmaceutical Congress 2010	06/08/10	Dr. Bipin Nair
78	Vinayaka Mission's Kirupananda Variyar Engineering College	Salem, Tamil Nadu	Workshop on virtual labs in physical, chemical and biological sciences	16/4/2013 to 17/4/2013	Akhila Shekhar, S. Hemalatha
79	Newman College, Thodupuzha, Mahatma Gandhi University	Thodupuzha, Kerala	UGC sponsored National Conference on "Recent Advances in Spectroscopy: A chemical and biological Perspective"	28th February to 02 March, 28/02/2013 to 2/03/2013	Dr. Sobha V. Nair
80	IIT, Madras and IMSc, Chennai	IIT, Madras	INCF workshop on Neuroinformatics of sensory-motor integration: modelling and imaging from the worm to the human nervous system	5/11/2012 to 7/11/2012	Mr. M. Nidheesh, Ms. Manjuasha Nair, Ms. Asha Vijayan, Mr. P. Harilal, Mr. Krishna Chaitanya
81	IIT Bombay & MHRD	Amritapuri, Kollam	ISTE workshop on Introduction	25/6/2012 to	Ms. R. Jyothi, Ms. Suma

			to Research Methodologies	4/7/2012	Mahesh, Ms. Asha.R.Pai, Ms. H. Jayalekshmi, Dr.C.O.Sreek ala, Ms. O. Athira, Ms. Asha Vijayan, Ms. Jyotsna Nambiar, Ms. A. Aswathy , Ms. Karthika Rajan
82	Indian National Node of Neuroinformatics(INNNI) and the Systems Science and Informatics Unit(SSIU),In dian Statistical Institute, Bangalore	Indian Statistical Institute, Bangalore	Indian Neuroinformatics and Computational Neuroscience Summer Course	4/06/2012 to 12/06/2012	Ms.Manjuash a Nair, Ms. Asha Vijayan, Mr. P. Harilal , Mr.Krishna Chaitanya
83	CEN, IIT Bombay	IIT Bombay	Hands on training Workshop, CEN, IIT Bombay	23-4-2012 to 27-4- 2012	Ms. Asha.R.Pai

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
30%
- percentage of students doing projects in collaboration with other universities / industry / institute
70%

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

S.	Name and	Name of the	Name of the	Month &

No	Designation of the Staff member	Award / Recognition received	Agency	Year of receiving the award / recognition
1.	Ninu Paulose	DBT fellowship	Department of Biotechnology, Government of India	December, 2008
2.	Ms. Athira O Lecturer	JRF	CSIR	December, 2008
3	Mr. Anup Kumar nair	JRF	CSIR	December, 2008
4	Ms. Nidhina Haridas Lecturer	JRF	CSIR	December, 2008
5.	Dr. Shyam Diwakar	Senior member, IACSIT	International Association of Computer Science and Information Technology	AUG 2009 – now
6.	Dr. Prakash Chandran	Erasmus Mundus External Cooperation Window, India 4 EU	University of Bologna	May 2010
7.	Dr. Bipin Nair, Dean	Resource Person for UGC Refresher Courses for University teachers	Kerala University	2007-2011
8.	Dr. Bipin Nair, Dean	Dept. Of Biotechnology Task Force Member, Bio-CARE scheme	Department of Biotechnology	2011
9.	Dr. Shyam Diwakar	Visiting Researcher	University of Milan	2010
10.	Dr. Prakash Chandran	Erasmus Mundus Visiting Faculty	Dipartimento di Chimica "G. Ciamician" Universita' di Bologna, Italy	2010
11	Mrs.C.O.Sreekala Lecturer	Best Paper Presentation Award	ICMENS-2011 conference held at Kuala Lumpur Malaysia,	November 2011
12	Mrs.C.O.Sreekala Lecturer	Certificate of appreciation	Amrita Vishwa Vidyapeetham University	May 2012

13	Dr.Bipin Nair	National Coordinator for Biotechnology Virtual Labs	MHRD, Amrita University, IIT-B & IIT-D	NA
14.	Dr. Bipin Nair/ Dean	Bio-CARe committee ,	DBT	Aug 2012
15.	Dr. Bipin Nair/ Dean	Member, Governing Body, NCCS, Pune	NCCS,Pune	June, 2013
16.	Dr. Bipin Nair/ Dean	Associate editor, Current Pharmacogenomics and Personalized Medicine	Bentham	May, 2013

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S. No	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/Y Y to DD/MM/YY)	Number of Participants		Source of Funding	Seminar / Workshop Outcome
1.	Conference organised by IBM at Technopark, Trivandrum	28th Aug. 2008	Local	250	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
2.	National Seminar on “Biotechnology for a Clean Environment” at S N College, Kollam, Sponsored by UGC.	15th Oct. 2008	Local	400	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
3.	‘In search of life in other worlds’ by Dr. G K Sasidharan, Former Vice Chancellor, Calicut University	10/03/10	Local	250	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
4.	"Understanding Congenital Heart Disease" by Dr. Krishna	17/03/10	Local	250	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside			

	Kumar, Professor, Pediatric Cardiology, Amrita Institute of Medical Sciences, Cochin		State			
5	"Biostatistics and its applications in scientific research" by Dr. Ramdas Menon, Director, Centre for Health Statistics, Dept. of State Health Services, Texas	07/04/10	Local	200	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
6.	"Reverse Engineering Brain Circuits" by Dr. Satish S Nair, Director, Centre for Computational Neurobiology, University of Missouri, Columbia, USA	30/07/10	Local	250	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
7.	Mechanism Of TNF- α In Isolated Limb Perfusion of Melanoma" by Dr. Kala Menon, University of Pennsylvania School of Medicine, Philadelphia	02/09/10	Local	220	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
8.	Mini Workshop by Dr. Mariam, Clinical Psychologist, USA	17/12/10	Local	30	Amrita Vishwa Vidyapeetham	Highly beneficial for selected member
			Within State			
			Outside State			
9.	Adventures in Structural Biology" by Dr.	05/01/11	Local	250	Amrita Vishwa Vidyapeetham	Highly beneficial for students
			Within State			

	John Jefferson Piers Perry, Principal Scientist, The Scripps Research Institute, California & Adjunct Professor, Amrita School of Biotechnology		Outside State			and faculty
10.	All Eukaryotes: before turning off G1-S transcription, please check your DNA" by Dr. Anna Travesa, The Scripps Research Institute, California	11/01/11	Local	250	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
11.	Protein Engineering by Dr. Ramaswamy, inStem, NCBS, Bangalore	12/01/2011	Local	300	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
12.	'Primary Cilium: an old appendage with new functions' by Dr. Krishanu Ray, Department of Biological Sciences, Tata Institute of Fundamental Research	16/02/2011	Local	300	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
13.	'Modern Protein Fractionating and Identification Techniques', by Dr. Tobias	11/03/2011	Local	300	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			

	Preckel, Life Science Center India Manager, Agilent Technologies, Waldbronn, Germany					
14.	'GEDI: Computational Analysis of Multigene disorders', by Dr. Natalia Maltsev, Department of Human Genetics, Computation Institute University of Chicago,	23/03/2011	Local	150	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
15.	“Role of EphB4 in the wnt pathway and development of colon and breast cancer”, by Dr. Lekha Dinesh Kumar, Scientist, CCMB, Hyderabad,	30/03/2011	Local	320	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
16.	Regulation of Autolysin Activity in Staphylococcus aureus", by Dr. Raja Biswas, Assistant Professor, Amrita Center for Nanosciences & Molecular Medicine, AIMS, Kochi,	20/04/2011	Local	300	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
			Within State			
			Outside State			
17.	Mass Spectrometric Characterization of Peptides and	17/08/2011	Local	300	Amrita Vishwa Vidyapeetham	Highly beneficial for students
			Within State			
			Outside			

	Proteins: Peptidomics and Proteomics " by Dr. Sudarslal, Manager-Proteomics, NCBS, Bangalore,		State			and faculty
18.	" Screening for Bio-molecules from Microbial Diversity collected from different Ecological Niches " by Dr. Arun Balakrishnan, Sr. Vice President, Piramal Life Sciences, Mumbai,	1/09/2011	Local	250	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
19.	“Proteomics and Genomics Workshop” by by ASBT and Institute of Bioinformatics, Bangalore	18/11/2011 to 19/11/2011	Local	30	Amrita Vishwa Vidyapeetham	Highly beneficial for students
			Within State			
			Outside State			
20.	“Bio energetics towards Drug Discovery” by Dr. Jayashree G., MRDG, IISc, Bangalore	11/1/2012	Local	250	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
21.	"The Dynamics of <i>in vivo</i> Tissue growth" by Dr. Carmen Coyelho, National Center for Biological Sciences, Bangalore	25/1/2012	Local	250	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
22.	"Future of Genetically Modified Crops" by Dr.	07/3/2012	Local	250	Amrita Vishwa Vidyapeetham	Highly beneficial for students
			Within State			
			Outside			

	Narendran Nair and Dr. Pankaj Bihani, Mahyco Research		State			and faculty
23.	The Rhythm of Life" by M.Sc students (BT)	14/3/2012	Local	300	Amrita Vishwa Vidyapeetham	Good cross-discussion
			Within State			
			Outside State			
24.	"Microbes with a Midas Touch" by : MSc Students (BT & MB)	14/3/2012	Local	300	Amrita Vishwa Vidyapeetham	Good cross discussion
			Within State			
			Outside State			
25.	"Design & Evaluation of a novel polymer based antagonist for clinically used heparin anticoagulants" by Dr. Rajesh Shenoi, Centre for Blood Research, University of British Columbia, Canada	21/3/2012	Local	300	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
26.	Prof. Colin Barrow, Deakin University, Australia	20/04/ 2012	Local	180	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
27.	Prof. G. Naldi, Dipartimento di Matematica, Università degli studi di Milano, Italy	Wednesday, 8th, 2012	Local	180	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
28.	Ms. O. Athira, Amrita School of Biotechnology, Kollam	Wednesday 20th, 2013	Local	300	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			

29.	Dr. Ayyappan Nair, Amrita School of Biotechnology, Kollam	Wednesday 6th, 2013	Local	300	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
30.	Dr. Dulal Panda, IIT Mumbai	Thursday 18th, 2103	Local	320	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
31.	Dr. Srisairam Achutan, Department of Information Sciences, California, USA	Wednesday 10th, 2013	Local	180	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
32.	Dr. Nandita Mishra, Amrita School of Biotechnology, Kollam	Wednesday 30th, 2013	Local		Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State	300		
			Outside State			
33.	Dr. Sanjay Pal, Amrita School of Biotechnology, Kollam	Wednesday 13th, 2013	Local	300	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			
34.	Dr. Shyam Diwakar, Amrita School of Biotechnology, Kollam	Wednesday 6th, 2013	Local	300	Amrita Vishwa Vidyapeetham	Highly beneficial for students and faculty
			Within State			
			Outside State			

31. Code of ethics for research followed by the departments
Annexure

32. Student profile programme-wise:

Name of the Programme (MSc Biotechnology, MSc Microbiology, MSc Bioinformatics, BSc Biotechnology and BSc Microbiology)	Applications received	Selected Male Female	Pass percentage Male Female
2008-2009	-	28/117	20/80
2009-2010	474	35/136	21/79
2010-2011	434	30/113	15/85
2011-2012	496	31/120	19/81
2012-2013	465	26/135	17/83

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2008-2009	24	111	9	0
2009-2010	41	113	19	0
2010-2011	14	112	14	0
2011-2012	14	112	14	0
2012-2013	35	114	15	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. For students with admission status active during the report period:

S. No	School Name	Department Name	# NET qualified	# GATE qualified	# CSIR qualified	# CAT qualified	# SLET qualified	# qualified in other exams
	Amrita School of Biotechnology	Amrita School of Biotechnology	25	25	10			10

For passed out students who got the NET/SLET/GATE etc results during the report period:

S. No	School Name	Department Name	# NET qualified	# GATE qualified	#CSIR qualified	# CAT qualified	# SLET qualified	# qualified in other exams
	Amrita	Amrita	14	13	05			06

	School of Biotechn ology	School of Biotechnol ogy						

35. Student progression

Student progression	Percentage against enrolled
UG to PG	30%
PG to M.Phil.	0%
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	0%
Employed	0%
• Campus selection	90%
• Other than campus recruitment	
Entrepreneurs	0%

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	11%
from other universities within the State	29.6%
from universities from other States	48.1%
from universities outside the country	11.1%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

S. No.	Name of faculty	Name of Advanced Degree (include specialization)	Month & Year of Passing
1.	Vishnu Prasad	PhD	August, 2011
2.	Sreekala C.O.	PhD	August, 2012

38. Present details of departmental infrastructural facilities with regard to

a) Library

A library with an estimated area of 500 square meters and a capacity of approximately 100 seats contains 2700 books and 700 reference materials. The resources are managed through AUMS OPAC system and e-journals are provided through an agreement between Amrita Vishwa Vidyapeetham and State University of New York, Buffalo, USA. An average 700 new books are added per year to the existing collection.

b) Internet facilities for staff and students: Students and staff have round-the-clock internet accessibility. Both students and staff are provided with Wi-Fi connection.

c) Total number of class rooms: 09

d) Class rooms with ICT facility: 09

e) Students' laboratories: 05

f) Research laboratories: 08

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university:
b) from other institutions/universities:

S. No	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/ University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	Ms. Asha R Pai	M.Sc. Physics	M G University	ASBT	Dr. Sreelatha, Assistant Professor	Dye Sensitized solar cells from natural dyes
2.	Mr. C.N. Vishnu Prasad	M.Sc Biotechnology	J.J. College of Arts & Science, (Bharathidasan University), Tamil Nadu	ASBT	G. Anilkumar Associate Professor	Screening for the modulators of GLUT4 translocation
3.	Ms. Sreekala C O	M.Sc. Physics	Kerala University	ASBT	Dr. Sreelatha Assistant Professor	Studies on Organic Bulk hetero-junction devices for Photovoltaic Solar cell application
4.	Ms. Nidhina P A	M.Sc Biotechnology	Amrita School of Biotechnology	ASBT	G. Anilkumar Associate Professor	Identification and characterization of novel regulators of GLUT4 exocytosis
5.	Ms. Athira O	M.Sc Biotechnology	Amrita School of Biotechnology	ASBT	Dr. Bipin Nair Dean	Regulation of Wound Healing
6.	Ms.Ninu Poulose	M.Sc Biotechnology	Amrita School of Biotechnology	ASBT	G. Anilkumar Associate Professor	Studies on the regulation of intrinsic transporter activity of

						GLUT4
7.	Mr. Anup Kumar Nair	M.Sc Biotechnology	Amrita School of Biotechnology	ASBT	G. Anilkumar Associate Professor	Identification and Characterisation of proteins that interact with the extracellular domain of GLUT4
8	Mr. C.N. Vishnu Prasad	M.Sc. Biotechnology	Amrita University	Amrita School of Biotechnology, Amritapuri Campus	Dr. Anil Kumar, Associate Professor, Amrita School of Biotechnology	Screening for the modulators of GLUT4 translocation
9	Ms. Jayalekshmi H	M.Phil. Microbiology	Amrita University	Amrita School of Biotechnology, Amritapuri Campus	Dr. Bipin Nair, Professor, Amrita School of Biotechnology	Studies on Multi drug Resistance in Pseudomonas
10	Mr. John Stanley	M.Tech. Biomedical Engineering	Amrita University	Amrita School of Biotechnology, Amritapuri Campus	Dr. Bipin Nair, Professor, Amrita School of Biotechnology	A non enzymatic sensor array for diabetes management
11	Ms. Asha Vijayan	M.Sc. Bioinformatics	Amrita University	Amrita School of Biotechnology, Amritapuri Campus	Dr. Shyam Diwakar, Assistant Professor, Amrita School of Biotechnology	Developing a Novel Algorithm to identify Biomarkers in Microarray and RNASeq data
12	Ms. Jyotsna Nambiar	M.Sc. Biotechnology	Amrita University	Amrita School of Biotechnology, Amritapuri Campus	Dr. Bipin Nair, Professor, Amrita School of Biotechnology	Regulation of MMP-2/MMP-9 and its implication in Cancer Progression

13	Mr. Adam Wayland	M.Sc. Computer Science			Dr. Shyam Diwakar, Assistant Professor, Amrita School of Biotechnology	Large scale simulations of the cortico-cerebellar pathway
14	Ms. Manjusha Nair	M.Sc. Computer Science	Amrita University	Amrita School of Biotechnology, Amritapuri Campus	Dr. Shyam Diwakar, Assistant Professor, Amrita School of Biotechnology	Theory and analysis of detailed cerebellar function using an information theoretic approach
15	Mr. Nidheesh M	M.Sc. Computer Science	Amrita University	Amrita School of Biotechnology, Amritapuri Campus	Dr. Shyam Diwakar, Assistant Professor, Amrita School of Biotechnology	Design of a semantic clustering approach to auto-associate function-structure patterns in neuroinformatics datasets
16.	Mr. Harilal P	M.Sc. Bioinformatics	Amrita School of Biotechnology	Amrita School of Biotechnology, Amritapuri Campus	Dr. Shyam Diwakar, Assistant Professor, ASBT	Applied Computer Science in Biology
17.	Mr. R Krishana Chaitanya	M.Sc. Bioinformatics	Amrita School of Biotechnology	Amrita School of Biotechnology, Amritapuri Campus	Dr. Shyam Diwakar, Assistant Professor, ASBT	Applied Computer Science in Biology
18.	Ms. Aswathy A	M.Sc. Biotechnology	Amrita School of Biotechnology	Amrita School of Biotechnology, Amritapuri Campus	Dr. Bipin Nair, Dean, ASBT	Screening of Russell's Viper Venom for fibrinolytic proteases & modulation of these

						proteases using natural products & their chemical analogs
19.	Ms. Maithily P R	MBA HR	Annamalai University	Amrita School of Biotechnology, Amritapuri Campus	Dr. Bipin Nair, Dean, ASBT	Intellectual Property Rights
20.	I. Jinchu	M.Sc	M.G. University	Amrita School of Engineering	Dr.Krishnashree Achuthan AND Dr. K.S. Sreelatha AND Dr.C. O. Sreekala	Physical Sciences. Write up attached dye sensitized solar cells
21.	N. Pandurangan	M.Sc	Periyar university	Amrita School of Biotechnology, Amritapuri Campus	Dr. Ashoke Banerji, Distinguished professor AND Dr.Bipin Nair, Dean	Isolation, characterization and synthesis of bioactive compounds from medicinal plants.
22.	Chinchu Bose	M.Sc	Bharathidasan university	Amrita School of Biotechnology, Amritapuri Campus	Dr. Ashoke Banerji, Distinguished professor AND Dr.Bipin Nair, Dean	Screening, isolation and characterization of Bioactive principles of medicinal plants.

40. Number of post graduate students getting financial assistance from the university:

S.No.	Name of student	Programme	Year of Enrollment	Scholarship Amount
1.	Deepa I	M.Sc. Biotechnology	2006	Rs. 80000/- yr
2.	Lekshmy V S	M.Sc.	2007	Rs. 60000/- yr

		Microbiology		
		M.Sc.		
3.	Sandeep Bodda	Bioinformatics	2010	Rs. 75000/- yr

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

The assessment of the need for the development of new programs is based on several factors including

1. The current and developing trends in the respective fields
2. Increased employability of students with specific skill sets
3. New and advanced expertise available for dissemination to students through faculty recruitment and collaboration
4. Design of the curriculum for the new programme
5. Approval of the Board of Studies, University level committees for UG & PG programs
6. Ratification/Approval by the Academic Council

42. Does the department obtain feedback from

- t. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The informations are communicated during weekly faculty meetings and monthly academic committee meetings. Course alterations and modifications to the programmes are integrated on an as-needed basis.

- u. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Students are provided the facility to complete on-line feedback forms in an anonymous format. The format provides a complete account of the student's views on the course content/ curriculum, the effectiveness of the teacher in covering the course material, positive and negative attributes of the faculty in teaching the respective courses.

- v. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Alumni provide feedback from time to time in communication with the department indicating strengths & weakness of the program vis-à-vis the current needs of the industry or academic research centers. Employers also provide useful feedback in a similar manner.

43. List the distinguished alumni of the department (maximum 10)

Although the University and department are very young to have alumni who have reached distinguished status in their respective areas of pursuit, a number of alumni are in reputed institutions and organizations which is strongly indicative of their merit and the training received:

1. Nitya Nandkishore – TIFR
2. Manisha Jalan – National Institute of Immunology
3. Vipin TS – Max Planck Institute, Germany

4. Maheshwar Pratap – Biocon
5. Anisha A – Astra Zeneca
6. Priyanka Somnath – Genentech USA, UC Davis
7. Shubhjyoti Chatterjee – University of Texas, Dallas
8. Amrita Ramkumar – Institute of Genomics and Integrated Biology, Delhi
9. Vignesh S – Indian Institute of Science, Bangalore
10. Sabareesha S – National Centre for Biological Sciences, Bangalore

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sno	Name of Expert Resource	Topic	Date	No of Participants
1	Dulal Panda	Cancer Biology	18 May 2013	180
2	Colin Barrow	Omega 3 Fatty Acids	20 Apr 2013	250
3	S. Ramaswamy	Protein Engineering	12 Jan 2011	250
4	A. Balakrishnan	Natural Product Drug Discovery	01 Sept 2011	320
5	Tobias Preckel	Mass Spectrometry, Proteomics	11 March 2011	320

45. List the teaching methods adopted by the faculty for different programmes.

- a. Lectures with handouts
- b. PowerPoint slide presentations
- c. Assignments with written reports
- d. Assignment with presentations and evaluation
- e. Virtual laboratory sessions
- f. Live web based lectures from resource experts, both national and international
- g. Hands on experimentation in lab for theoretical concepts covered in lecture classes

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- a) Progress in achieving objectives is constantly monitored during class committee meetings which are conducted on a monthly basis
- b) Students are encouraged to provide a detailed account of the discrepancies in the conduct of the courses by the respective faculty
- c) The Departmental Academic Committee also monitors the effective functioning of the programs

47. Highlight the participation of students and faculty in extension activities.

- a) Students are active participants in Amrita Sanjeevani Group which is involved in co-coordinating and carrying out several activities for personal development and with societal impact
- b) Faculty are actively involved in the humanitarian and charitable activities of the parent organization (Mata Amritanandamayi Math)

48. Give details of “beyond syllabus scholarly activities” of the department.

- 1) Students actively participate in quiz and debate competitions held regularly as part of campus activities
- 2) Nomination of Dean to Department of Biotechnology, Govt. of India, Task Force for evaluation of research grant proposals
- 3) Nomination of Dean to member of the Kerala State Biotechnology Commission
- 4) Nomination of Dean to member of Governing Body of National Centre for Cell Science, Pune
- 5) Appointment of Dean as Associate Editor, International Journal of Current Pharmacogenomics and Personalized Medicine
- 6) Industry Consultant activities of Dr A. Banerji
- 7) Resource Person status of Dr. Sudarslal for Mass Spectrometry Training Workshops.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Program has been graded by DST (Govt. of India) to consider funding under the FIST (Fund for Improvement of S&T infrastructure in universities & higher educational institutions). ASBT received funding under this scheme.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The ASBT has made significant contributions towards both basic and applied knowledge:

- a) Significant progress made through a team effort with ASBT faculty and collaborative work with faculty and staff of other Amrita campuses in the development of the prototype of a low cost biomedical device – an automated insulin pump. This development was awarded a US patent in November 2011.
- b) Similar progress has been made in the development of a non- enzymatic glucose sensor and glucometer which will be significantly cheaper, stable reliable and more sensitive than existing glucose monitoring systems in the market.
- c) The identification of a natural product lead molecule, Anacardic acid, as a novel modulator of the catalytic activity of Matrix metalloproteinase 2, which is involved in several different forms of cancer and other disease states has been an important contribution in collaboration with scientists at the Scripps Research Institute, California USA.
- d) The development of the Biotechnology Virtual Labs as an important resource for teaching and learning laboratory skills with the opportunity to understand all aspects of the laboratory experimentation procedures.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

1. Highly qualified and experienced faculties. More than 60% of the faculty are trained from reputed institutions in India and abroad and have extensive teaching

- and research record. Many of the faculties have routine achievements in terms of publications, research grants and patents.
2. Availability of up-to-date infrastructure such as laboratories and teaching tools. Access to a digital library (in association with State University of New York, Buffalo, USA), Wi-fi connectivity, AUMS system for efficient data management system are the other strengths fall in this category.
 3. Academic collaborations: The school maintains active collaborations with prominent international and national institutions such as the Scripps Research Institute, USA, NIIST, Trivandrum, RCC, Trivandrum etc.
 4. Industrial collaboration: To set a benchmark in the country, ASBT in association with Agilent Technologies has set up a cutting-edge analytical centre named Amrita Agilent Analytical Research Centre. The centre housed a mass spectrometer and high end HPLC systems are ready to cater the need of in-house and external researchers.
 5. Student placement: More than 95% of PG students are getting placed in reputed academic and industrial organizations.

Weakness:

The major weaknesses of ASBT are listed below:

1. Geographical location: The remote location of the school delays in implementing many regular activities.
2. Lack of active associations such as parent-teacher and alumni associations.
3. Compliance to physically challenged people: The school is not having adequate infrastructure to meet requirement of the physically challenged.
4. Insufficient student scholarship: There are not many scholarships available for the needy students.

Opportunities:

1. Scope for more research collaborations.
2. Implementation of programs for social relevance.
3. Exchange programs with reputed universities and institutions.
4. Improvement in consultancy services.

Challenges:

Competition of very low fee structures from government/aided institutions and universities.

52. Future plans of the department.
 - Implementation of a new cell biology lab.
 - Up gradation of the Amrita Agilent Analytical research Centre for proteomics research.
 - Initiation of a research lab for renewable energy sources and technologies.

Amrita School of Business – Coimbatore

Evaluative Report of the Department

1. Name of the Department: Amrita School of Business, Coimbatore
2. Year of establishment: 1996
3. Is the Department part of a School/Faculty of the university? If so, specify.
Amrita School of Business, Coimbatore is a school and is a part of the university.
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Programme Name	Programme Duration	Student Intake	Start Date
1.	MBA	2 years	120	24/12/1996 (approved by AICTE)
2.	Part time PhD	4 years	5 to 10	14/9/2009

5. Interdisciplinary programmes and departments involved:
NIL
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL
7. Details of programmes discontinued, if any, with reasons
NIL
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Trimester System
9. Participation of the department in the courses offered by other departments
NIL
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Designation	Sanctioned	Actual
Professor	4	4
Associate Professors	6	6
Asst. Professors	4	4
Others (Faculty Associates)	3	3

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S. No	Name	Designation/Area	Specialisation	Qualification	No. of Years of Experience	No. of Ph.D./M. Phil. students guided for the last 4 years
1.	Sanjay Banerji	Professor-Emeritus	Operations	B.Sc(Eng), Fellow IIM-C, UNDP Fellow (J.L.Kellog)	26 years	2

2.	Shrikant G. Kulkarni	Professor	Marketing	B.E., PGDBM(XLRI)	35 Years	Nil
3.	Sudhakar Menon Achath	Professor	Operations	B.E.,M.S(Econ),M A(Maths) Texas-Austin, Fellow (IIM-B)	24 years	Nil
4.	Deepak Gupta	Professor	Marketing	B.Tech (IIT-D),PGDM (IIM-C) M.S.,M.A. Ph.D(Berkeley)	20 years	4
5.	C.S. Udhaya Kumar	Associate Professor	SAPG	B.Sc, MA, TCY, D.Y.Ed, PGDGC	34 Years	Nil
6.	P.Balasubramanian	Associate Professor	Finance and Economics	MA, M.Phil, Ph.D (JNU) 85, 87, 97	19 Years	NIL
7.	Shobhana Madhavan	Associate Professor	HRM	B.E., PGDM,IIM-A),MPS(Cornell University)	18 Years	Nil
8.	R.G. Priya Darshini	Associate Professor	HRM	B.Sc, MBA, M.Phil, Ph.D / 92, 94, 96, 2003	15 Years	NIL
9.	Rajiv Prasad	Associate Professor	OB & HRM	BA-HRM-IIM-C,PGDRM,FPM-IIM-C, / 92, 96, 2008	17 years	2
10.	Mridula Sahay	Associate Professor	Operations	MSW, Ph.D, PG Dip in Comp.Sci & Applns/ 98,04,90	19 years	Nil
11.	Sunil Puliyakot	Assistant Professor	Finance & Economics	M.Com, PGDRM / 89, 91	21 Years	Nil
12.	Bhawana Jain	Assistant Professor	Finance	B.Com (Hons.), C.A., C.P.A. / 97, 2000, 2002	11 Years	Nil
13.	Neerpal Rathi	Assistant Professor	OB & HRM	BA,MA,Ph.D/ 01,03,08	3 1/2 Years	Nil

14.	Suresh M	Assistant Professor	Operations	ME, Ph.D 07,12	8 years	Nil
15.	Sangeetha Gunasekar	Assistant Professor	Finance & Economics	M.Sc, PhD 99,08	5 ½ Years	Nil
16.	Hemamala K	Assistant Professor	Operations	BE,MBA, MFT, M.Phil /89,91,02,05	17 years	Nil
17.	Gyanendra Singh Sisodia	Faculty Associate	Marketing	B.Sc, M.Sc., MBA / 04,06,09	6 Years	Nil
18.	Shweta Premanandan	Faculty Associate	Systems	BE, MBA / 06,09	3 Years	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Note: Please provide details of date of appointment, courses taught, research projects executed, and any other contribution from the same. If the faculty are no longer with Amrita, mention the exit date. Provide in tabular form.

List of Visiting Faculty for MBA Programme

SI No	Courses Taught	Faculty	Date of appointment
1	Strategic Financial Management	Shri. Vijayaraghavan	04-07-2011
2	Competency and Capability Building	Prof. Madhuri Menon	07-07-2012
3	Experiential Marketing	Prof. M. K. Chandrasekar	07-07-2012
4	Financial Statement Analysis	Prof. K. Babu	09-10-2012
5	Strategic Brand Management	Prof. Satheesh Krishnamurthy	03-10-2006
6	Strategic Media Planning	Prof. K. Ramesh	19-09-2007
7	Working Capital Management	Prof. Gita Srivatsan	09-10-2012
8	Legal Aspects of Busienss	Adv. Sheela Prasad	20-10-2010
9	Legal Aspects of Busienss	Adv. Ganesan	20-10-2010
10	Commercial Bank Management	Dr. Balagopal P K	07-01-2013

11	Financial Risk Management	Prof. Dharmaraj	07-01-2013
12	Industrial Relations	Shri. Siddhartha Saxena	23-01-2013
13	Strategic Human Resource Management	Prof. Ravichandra T	23-01-2013
14	Rural Marketing	Prof. Rema Vishwanathan	18-01-2011
15	Customer Relationship Management	Prof. Prasannavadanan Thampi	18-01-2011
16	Business Development	Prof. S. Rajagopalan	19-10-2009
17	Logistics and Supply Chain Management	Prof. K.L. Bhaskaran	07-01-2012
18	Business Communication	Prof. Archana Subhash	04-07-2012
19	Marketing Management - II	Shri. Anand Menon	24-01-2013
20	Financial Accounting	Smt. Anuradha R	10-07-2013

List of Part time Faculty for MBA Programme (These Faculty resources work in Amrita University & teach courses at our MBA Programme)

Sl No	Subject	Faculty	Date of appointment
1	Software Engineering	Shri. Prashant R Nair	02-07-2005
2	Environmental Management & Sustainable Development	Prof. Subbarao	20-10-2010
3	E_Commerce	Prof. J. Shrikrishnan	03-10-2006
4	IT Infrastructure Management	Prof. M. Sreevalsan	10-07-2006
5	Quantitative Methods for Management - I	Prof. Deepa Gopakumar	02-07-2012

List of Visiting Faculty for PhD Programme

Sl.No	Name	Date of Appointment	Status	Contribution Made
1	Dr. Mytreysi	28 th Dec 2009	Visiting Faculty	1. General Management & Strategy 2. Research Methodology-I
2	Prof. Jay Misra	27 th Dec 2010	Visiting Faculty	1. Foundations of Strategy 2. General

					Management & Strategy
3	Dr. Deepika	27 th Dec 2010	Visiting Faculty		Research Methodology-III
4	Dr. D D Roy	27 th Dec 2010	Visiting Faculty		1. Research Methodology-III 2. Psychographic Analysis and Market Segmentation
5	Dr. Shyamnath	27 th Dec 2010	Visiting Faculty		Micro Development Economics
6	Dr. Tithi Bhatnagar	27 th Dec 2010	Visiting Faculty		1. Subjective Well being 2. Research Methodology-I
7	Dr. Ram Bishu	27 th May 2011	Visiting Faculty		1. Quality and E-commerce 2. Design of Experiments
8	Dr. Bhanumurthy	27 th May 2011	Visiting Faculty		Econometrics
9	Dr. Sudhanshu Kumar	26 th Dec 2011	Visiting Faculty		Time Series Analysis
10	Dr. Ganesan	26 th Dec 2011	Visiting Faculty		General Management & Strategy
11	Dr. Udaya Mishra	21 st May 2012	Visiting Faculty		Research Methodology-II
12	Dr. Biresh Sahoo	21 st May 2012	Visiting Faculty		Advanced Micro Economics
13	Dr. Sangeetha Gunasekar	21 st May 2013	Visiting Faculty		Advanced Quantitative Methods
14	Dr. Pampa Mukherjee	21 st May 2013	Visiting Faculty		Advanced Qualitative Methods
15	Dr. Bhumika Gupta	21 st May 2013	Visiting Faculty		Human Resource Management
16	Dr. Henry Muccini	21 st May 2013	Visiting Faculty		Group Decision Making in Software Architecture.
17	Dr. Carol Upadhya	Sep 2012	Visiting Faculty		Seminar on Social Cultural Anthropology

13. Percentage of classes taken by temporary faculty – programme-wise information

MBA Programme – 35 %
PhD Programme – 40 %

14. Programme-wise Student Teacher Ratio
12:1 (MBA Programme)
4:1 (PhD Programme)

15. Number of academic support staff (technical) and administrative staff: sanctioned,

and actual

Designation	Sanctioned	Actual
Administrative officer	3	3
Senior Executive	1	1
Executive Assistant	2	2
Executive Secretary	1	1
Library		
Assistant Librarian Gr. I	1	1
Assistant Librarian Gr. III	1	1
Library Assistant Gr. II	1	1
Library Assistant Gr. III	3	3

16. Research thrust areas as recognized by major funding agencies

We did not have any research in the last five years funded by major funding agencies.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

NIL

18. Inter-institutional collaborative projects and associated grants received

g) National collaboration b) International collaboration

National: NIL

International

S. No .	Name of Department/School in Amrita	Primary Contact in Amrita - Name & Designation	Name(s) of Collaborating Institution(s)	Primary Contact (Collaborator) – Name & Designation	Description of Research Programme (include details of amount, start date, duration, and project title)
1.	Amrita School of Business, Coimbatore	Dr. P. Balasubramanian, Associate Professor	School of Accounting, Economics and Finance, Deakin University, Australia	Dr. Harminder Singh, Senior Lecturer	Project Title: An empirical examination of investors' response to psychological barriers of Sensex Amount: Australian

					\$14,894/- Start date: October, 2012 Duration: 2 years
2.	Amrita School of Business, Coimbatore	Dr. P. Balasubramania n, Associate Professor	School of Accounting, Economics and Finance, Deakin University, Australia	Dr. Saikat Soven Deb, Senior Lecturer	Project Title: Information content of large trades in Indian exchanges Amount: Australian \$15,000/- Start date: October, 2012 Duration: 2 years

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
NIL

20. Research facility / centre with

- state recognition
- national recognition
- international recognition

We do not have a separate research facility or centre.

21. Special research laboratories sponsored by / created by industry or corporate bodies
We do not have any Research Laboratory.

22. Publications:

- * Number of papers published in peer reviewed journals (national / international)
: 32 (14 International & 18 National)
- * Monographs : NIL
- * Chapters in Books: 10
- * Edited Books : NIL
- * Books with ISBN with details of publishers: 3

Author: Shobhana Madhavan

Name of the Book: Cross-Cultural Management: Concepts and Cases,

Publisher: Oxford University Press, New Delhi

ISBN No: 978-0198066293

Author: Rajiv Prasad
 Name of the Book: Happiness at the workplace: Does it Enhance Performance?
 Publisher: LAP Lambert Academic Publishing House, Germany
 ISBN No: 978-3-8443-3129-5

Author: Mridula Sahay
 Name of the Book: Strategic Management
 Publisher: McGraw Hill Education (India)
 ISBN No: 978-1-12-194051-2
 Year Published: 2013

* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

8

- * Citation Index – range / average
 Citation Index Range: 0 on the lower side to 34 on the upper side
 Citation Index Average (for journal articles published by Faculty): 2.37
- * SNIP: Not available
- * SJR: Not available
- * Impact Factor – range / average : Not available
- * h-index : Not available

International Journal Publications

S. No.	Year	Publication Details	Average citation index and impact factor of publications
1.	2013	Title of the Paper: “Work-family conflict and job and family satisfaction, Moderating effect of social support among police personnel” Authors: Dr. Neerpal Rathi & Barath M Name of the Journal: Equality, Diversity and Inclusion Month and Year of Publication: 2013 Volume No. 32, No: 4 Page No. 438-454	CI=0
2.	2012	Title of the Paper: “The Money Bank LTD” (Case), Authors: Bhawana Jain & R.K. Murthi, Name of the Journal: International Journal of Computing and Corporate Research (online), Month and Year of Publication: January, 2012 Volume No. 2, Issue: 1 Page No.	CI=0
3	2012	Title of the Paper: , “Women Participation is Must for Rural Development” (Case Study), Authors: Mridula Sahay,	CI=0

		Name of the Journal: International Business Review, Month and Year of Publication: March, 2012 Volume No. 2, Issue: 1 Page No.	
4	2012	Title of the Paper: "Influence of the emotional intelligence on self monitoring", Authors: R.G. Priyadarshini, Sandhya Rani & T. Kannadasan, Name of the Journal: African Journal of Business Management, Month and Year of Publication:2012 Volume No. 5(17) Page No. 7575-7578	CI=1
5	2012	Title of the Paper: "FDI in Retail: Carbon Emission Assessment in India", Authors: Gyanendra S. Sisodia, Name of the Journal: International Journal of New Practices in Management and Engineering, (Online Journal) Month and Year of Publication:2012 Volume No. 3, Issue: 1 Page No.	CI=0
6	2012	Title of the Paper: "Assessment of factors contributing to the failure of Geomarketing models used for shopping mall sites selection in old and congested cities in India", Authors: Gyanendra S. Sisodia, Name of the Journal: International Journal of New Practices in Management and Engineering, (Online Journal) Month and Year of Publication:2012 Volume No. 3, Issue: 1 Page No.	CI=0
7	2011	Title of the Paper: " <i>Quality of Work Life, Organisational Commitment, and Psychological Well-Being: A Study of the Indian Employees</i> ", Authors: Neerpal Rathi, Rastogi R & Rangnekar S, Name of the Journal: International Journal of Contemporary Business Studies, Month and Year of Publication: April 2011 Volume No. 2, Issue: 4 Page No. 16-28	CI = 2
8	2011	Title of the Paper: " <i>Boundary Conditions for Turnover Intentions: Exploratory Evidence from China, Jordan, Turkey and the United States</i> ", Authors: Kalyanaram Gurumurthy, G, Hao, C, Ford, D, & Bhagat, R	CI=2

		Name of the Journal: International Journal of Human Resources Management, Month and Year of Publication:2011 Volume No. 23, No. 4 Page No. 846-866	
9	2011	Title of the Paper: <i>“Revival of a Paper Company: Turnaround Strategies”</i> (Case Study), Authors: Mridula Sahay, Name of the Journal: International Business Review, Month and Year of Publication: December, 2011 Volume No. 1, Issue: 2 Page No.	CI=0
10	2011	Title of the Paper: Review of the book <i>“Nudge”</i> published by Penguin Books, authored by Richard Thaler and Cass Sustein, Authors: Kalyanaram Gurumurthy & Sunanda Muralidharan, Name of the Journal: International Journal of Pharmaceutical and Healthcare Marketing Month and Year of Publication:2011 Volume No. 5, No. 4 Page No. 349-352	CI=0
11	2010	Title of the Paper: <i>“Influence of Personal Values and Value Congruence on Unethical Practices and Work Behaviour”</i> , Authors: Rooplekha Khuntia Name of the Journal: Journal of Business Ethics Month and Year of Publication:2010 Volume No. 97(3) Page No. 443-460	CI=15
12	2009	Title of the Paper: <i>“Decomposing capacity utilization in data envelopment analysis: An application to banks in India”</i> , Authors: Biresh K. Sahoo and K. Tone, Name of the Journal: <i>European Journal of Operations Research</i> , Month and Year of Publication: 2009 Volume No. 195(2) Page No. 575-594	CI=34
13	2009	Title of the Paper: <i>“Radial and non-radial decompositions of profit change: With an application to Indian banking”</i> , Authors: Biresh K. Sahoo and K. Tone, Name of the Journal: <i>European Journal of Operations Research</i> , Month and Year of Publication: 2009 Volume No. 196(3)	CI=22

14	2009	Page No. 1130-1146 Title of the Paper: “Fair allocation based on two criteria: A DEA game view of ADD them up and divide by two”, Authors: Bires K. Sahoo, Nakabayashi K, Tone K, Name of the Journal: <i>Journal of Operations Research Society of Japan</i> Month and Year of Publication: 2009 Volume No. 52(2) Page No. 131-146	CI=0

National Journal Publications

S. No.	Year	Publication Details	Average citation index and impact factor of publications
1	2012	Title of the Paper: “Corporate Governance in Public Sector Banks – Tapping the Bee Hive”, Authors: Mridula Sahay Name of the Journal: The Business and Management Review, Month and Year of Publication: July, 2012 Volume No. 2, No. 2 Page No. 21-24	CI=0
2	2012	Title of the Paper: “Competency Based Training need Assessment Model”, Authors: R.G. Priyadarshini Name of the Journal: Management and Labour Studies, published by XLRI and Sage Publications, Month and Year of Publication: 2012 Volume No. 37, No.3 Page No.	CI=0
3	2012	Title of the Paper: Women Participation is a must for Rural Development Authors: Mridula Sahay Name of the Journal: International Forum for Researchers, Students & Academicians Business Review Month and Year of Publication: 2012 Volume No. 2, No. 1 Page No:	CI=0
4	2011	Title of the Paper: Revival of a Paper Company (Case) Authors: Mridula Sahay Name of the Journal: International Forum for Researchers, Students & Academicians Business Review Month and Year of Publication: 2011	CI=0

- Volume No. 1, No. 2
Page No:
- 5 2011 Title of the Paper: Health Services for Rural Elderly CI=0
Authors: Mridula Sahay
Name of the Journal: Journal of the Indian Social Science Education
Month and Year of Publication: 2011
Volume No. 6, No. 1&2
Page No
- 6 2011 Title of the Paper: "Roadmap to TQM Implementation among Indian SME's, CI=0
Authors: R.G. Priyadarshini
Name of the Journal: Indian Journal of Technical Education
Month and Year of Publication: April-June, 2011
Volume No. 34, No. 2
Page No. 28-36
- 7 2011 Title of the Paper: "China and India Growth Models and Approaches: Paradoxes, Insights and Outcomes, CI=0
Authors: G. Kalyanram
Name of the Journal: Business Mandate
Month and Year of Publication: March-April, 2011
Volume No. 38, No. 8
Page No.
- 8 2011 Title of the Paper: "Precaution in Project Management", CI=0
Authors: Mridula Sahay
Name of the Journal: Prabandh
Month and Year of Publication: July-December, 2011
Volume No.
Page No. 1-3
- 9 2010 Title of the Paper: "Technical Efficiency Analysis for Decision-Making", CI=0
Authors: Meera E & Amalendu Jyotishi,
Name of the Journal: *NICE Journal of Business*,
Month and Year of Publication: July-December, 2010
Volume No. 6, No. 1
Page No.
- 10 2010 Title of the Paper: "A study on the influence of emotional intelligence on self monitoring using structural equation modeling", CI=0
Authors: RG Priyadarshini
Name of the Journal: *Journal of Management Prudence*,
Month and Year of Publication: March, 2010
Volume No. 1, No. 1

11	2010	Page No. 167-170 Title of the Paper: “A Study on the relationship between Emotional Intelligence, Organizational Culture and Impression Management”, Authors: RG Priyadarshini Name of the Journal: <i>Journal of Contemporary Research</i>, Month and Year of Publication: April-June 2010 Volume No. 5, No. 2	CI=0
12	2009	Page No. Title of the Paper: “Gestalt Approach to Organizational Consulting”, Authors: RG Priyadarshini Name of the Journal: <i>Prestige Journal of Management and Research</i>, Month and Year of Publication: January, 2009 Volume No. 1, No. 2	CI=0
13	2009	Page No. Title of the Paper: “Asset Price Bubbles, The Why and How”, Authors: Sunil Puliya Kot Name of the Journal: Chartered Financial Analyst Month and Year of Publication: August, 2009 Volume No.	CI=0
14	2009	Page No. 34-35 Title of the Paper: “Geithner-Summers Plan – Setting a Bad Precedent?”, Authors: Sunil Puliya Kot Name of the Journal: Chartered Financial Analyst Month and Year of Publication: May, 2009 Volume No.	CI=0
15	2009	Page No. 73-74 Title of the Paper: “Treatment of Interest on Borrowings in Financial Accounting and Income Tax in Taxation”, Authors: Ramu Krishnamurthi, Name of the Journal: <i>The Chartered Accountant</i> Month and Year of Publication: December, 2009 Volume No.	CI=0
16	2009	Page No. 936-941 Title of the Paper: “Prospects of Semi Conductor Industry with reference to India”, Authors: RG Priyadarshini Name of the Journal: Udyog Pragati – The Journal for Practicing Managers Month and Year of Publication: September, 2009 Volume No. 33, No. 3	CI=0
17	2009	Page No. 58-64 Title of the Paper: “The importance of role	CI=0

		efficacy and self efficacy in Organizations and its relationship with HR practices", Authors: RG Priyadarshini Name of the Journal: <i>Journal of Management and Labour Studies</i> , XLRI, Month and Year of Publication: February 2009 Volume No. 34, No. 1 Page No.	
18	2008	Title of the Paper: "True Economic Cost and the GAAP", Authors: Ramu Krishnamurthy Name of the Journal: <i>The Management Accountant</i> , The Institute of Cost and Works Accountants of India, Month and Year of Publication: December 2008, Volume No. 43, No. 12 Page No.	CI=0

International Conference Papers			
S. No.	Year	Publication Details	Average citation index and impact factor of publications
1	2013	Title of the Paper: "Prerana, India: A Case on Prevention of Trafficking and Sexual Exploitation of Young Women and Children" Authors: Sanjay Banerji, Pravin Patkar & Priti Patkar Name of the Conference: AJMC 2013 2 nd International Case Conference, Duration of the Conference: 18/1/2013 to 19/1/2013 Name of the Organizer: AJMC Conference Venue: Lahore University of Management Sciences, Lahore, Pakistan Page No: Proceedings Published By:	
2	2013	Title of the Paper: "A Study of role of Spirituality in Organizational Development by using System Dynamics, Authors: Mridula Sahay, Shulagana Sarkar Name of the Conference: International Conference on Leadership and Management through Spiritual Wisdom Duration of the Conference: 22/2/2013 to 24/2/2013 Name of the Organizer: School of Sciences, Varanasi, in association with California State University, San Bernardino, USA Conference Venue: School of Sciences, Varanasi	

Page No:

3	2012	Proceedings Published By: Title of the Paper: "AKSHAYA: Empowering People through IS", Authors: Sanjay Banerji Name of the Conference: International Conference on Business Management & Information Systems, Duration of the Conference: 22/11/2012 to 24/11/2012 Name of the Organizer: IJACP Conference Venue: Singapore Management University, Singapore Page No:
4	2012	Proceedings Published By: Title of the Paper: "Modelling Investment Planning in Thermal Power Generation in India Using Optimal Control Methods", Authors: Sudhakar Achhath Name of the Conference: Annual Meeting of Institute for Operations Research and Management Sciences Duration of the Conference: 14/10/2012 to 17/10/2012 Name of the Organizer: Institute for Operations Research and Management Sciences (INFORMS) Conference Venue: Phoenix, Arizona, USA Page No:
5	2012	Proceedings Published By: Title of the Paper: Corporate Governance in Public Sector Banks-Tapping the Bee Hive" Authors: Mridula Shay, Shiva Kumar S., Name of the Conference: International Conference on Corporate Governance and Business, Duration of the Conference: 19/7/2012 to 20/7/2012 Name of the Organizer: Academy of Business & Retail Management and Journal of Business & Retail Management Research Conference Venue: Boston, USA Page No:
6	2012	Proceedings Published By: Title of the Paper: "Precedence of indigenous law over state law among Pattinavar caste in Nagapattinam District, Tamilnadu, India: An

- Economic Perspective”
 Authors: P. Balasubramanian
 Name of the Conference: International
 Conference on Legal Pluralism in natural
 resource management
 Duration of the Conference: 30/3/2012 to
 31/3/2012
 Name of the Organizer: Amrita School of
 Business, Coimbatore and Asian Initiative of
 Legal Pluralism (AILP), supported by
 International Commission on Legal Pluralism
 Commission
 Conference Venue: Amrita School of Business,
 Coimbatore
 Page No:
- 7 2011 Proceedings Published By:
 Title of the Paper: “Open Source Software for
 SP: Using Python 3.0 and Sage 4.4.2”
 Authors: Sudhakar Achath & Shashank Shekher
 Singh
 Name of the Conference: 12th International
 Conference proceedings on Stochastic
 Programming
 Duration of the Conference: 12/8/2010 to
 16/8/2010
 Name of the Organizer:
 Conference Venue: Faculty of Management,
 Dalhousie University , Halifax NS, Canada
 Page No:
- 8 2010 Proceedings Published By:
 Title of the Paper: “Stochastic Programming for
 ALM problems using Iterative Disaggregation:
 An Application to portfolio optimization”
 Authors: Sudhakar Achath
 Name of the Conference: 12th International
 Conference proceedings on Stochastic
 Programming
 Duration of the Conference: 12/8/2010 to
 16/8/2010
 Name of the Organizer:
 Conference Venue: Faculty of Management,
 Dalhousie University , Halifax NS, Canada
 Page No:
- 9 2011 Proceedings Published By:
 Title of the Paper: “Effect of Emotional Labor on
 Emotional Exhaustion and Work Attitudes:
 Moderating Effects of Emotional Intelligence
 and Supervisor Support among Hospitality
 Employees in India
 Authors: Neerpal Rathi

- Name of the Conference: World Research Summit for Tourism and Hospitality
Duration of the Conference: 10/12/2011 to 13/12/2011
Name of the Organizer:
Conference Venue: Hongkong
Page No:
- 10 2011 Proceedings Published By:
Title of the Paper: "Stochastic Programming Model for Asset and Liability Management Using Network Flow Optimization"
Authors: Sudhakar Achath
Name of the Conference: 3rd Annual Business Complexity Conference,
Duration of the Conference: 14/10/2011
Name of the Organizer: Center for Complexity in Business, Robert H. Smith School of Business
Conference Venue: University of Maryland, USA
Page No:
Proceedings Published By:
- 11 2011 Title of the Paper: "The effect of direct advertising to consumers(DTCA) on Market Share and Quantity in pharmaceutical drugs, and Consumer Welfare"
Authors: Kalyanaram, G. & Deepak Gupta
Name of the Conference: Business and Health Administration Conference Proceedings
Duration of the Conference: 23/3/2011 to 25/3/2011
Name of the Organizer: Business and Health Administration
Conference Venue: Chicago, USA
Page No:
Proceedings Published By: Business and Health Administration Association
- 12 2011 Title of the Paper: "Customer-Driven Innovation: A Conceptual Model"
Authors: Kalyanaram, G & Sandhya, G
Name of the Conference: 12th International conference of the Society for Global Business & Economic Development
Duration of the Conference: 21/7/2011 to 23/7/2011
Name of the Organizer: Society for Global Business & Economic Development
Conference Venue: Singapore
Page No:

13	2010	Proceedings Published By: Title of the Paper: "The Effect of Direct Advertising to Consumers (DTCA) in Prescription Pharmaceutical Drugs, and Consumer Welfare Authors: Kalyanaram, Gurumurthy and Balasubramanian Name of the Conference: Northeast Business & Economics Association Conference Proceedings Duration of the Conference: 30/9/2010 to 2/10/2010 Name of the Organizer: Northeast Business & Economics Association Conference Venue: New Jersey Page No: Proceedings Published By: Northeast Business & Economics Association
14	2010	Title of the Paper: "Power and Powerlessness of Money" Authors: Prita Chatoth Name of the Conference: International Symposium on Money and Spirit Duration of the Conference: November, 2010 Name of the Organizer: Conference Venue: Zug, Switzerland Page No:
15	2010	Proceedings Published By: Title of the Paper: "Assessing Carbon Footprint In Hospitals" Authors: Prita Chatoth Name of the Conference: Workshop on Saving Energy Duration of the Conference: November, 2010 Name of the Organizer: Conference Venue: Heidelberg University, Germany Page No:
16	2009	Proceedings Published By: Title of the Paper: "Self understanding through self awareness for new entrepreneurs", Authors: Udhayakumar C.S. and Florence Rodhain Name of the Conference: International Conference on Entrepreneurship Duration of the Conference: October-November, 2009 Name of the Organizer: Entrepreneurship Development of India Conference Venue: Gujarat

17	2008	Page No: Proceedings Published By: Title of the Paper: “ Biometrics Driven Smart Environments Authors: Vivek Menon Name of the Conference: 10 th International Conference on Ubiquitous Computing Duration of the Conference: September, 2008 Name of the Organizer: Conference Venue: Page No: 94-97 Proceedings Published By: Ubicomp 2008
18	2008	Title of the Paper: “Integrating Recognition and Reasoning in Smart Environments”, Authors: Vivek Menon, Bharat Jayaraman, Venu Govindaraju Name of the Conference: Conference Proceedings of the 4 th IET Conference on Intelligent Environments Duration of the Conference: July, 2008 Name of the Organizer: IET Seattle Conference Venue: Seattle, USA Page No: Proceedings Published By:

National Conference Papers			Average citation index and impact factor of publications
S. No.	Year	Publication Details	
1	2013	Title of the Paper: “Do Service Employees Pay a Hidden Cost for Serving with a Smile?” Authors: Neerpal Rathi Name of the Conference: 4 th International Research Symposium in Service Management, Duration of the Conference: 2/7/2013 to 6/7/2013 Name of the Organizer: Marian International Institute of Management Conference Venue: Marian International Institute of Management Page No: Proceedings Published By:	
2	2013	Title of the Paper: “Emotional Labour, Emotional Intelligence Emotional Exhaustion and Job Satisfaction: Investigation of the Relationship among Frontline Service Employees” Authors: Neerpal Rathi Name of the Conference: 4 th International Research Symposium in Service Management Duration of the Conference: 2/7/2013 to 6/7/2013 Name of the Organizer: Marian International	

- Institute of Management
Conference Venue: Marian International Institute of Management
Page No:
Proceedings Published By:
- 3 2013 Title of the Paper: "Relationship of quality of work life with satisfaction job and life satisfaction among retail employees"
Authors: Neerpal Rathi
Name of the Conference: National Conference on Paradigm for Sustainable Business: People, Planet and Profit
Duration of the Conference: 8/3/2013 to 9/3/2013
Name of the Organizer: Department of Management, Indian Institute of Technology, Roorkee,
Conference Venue: Department of Management, Indian Institute of Technology, Roorkee,
Page No:
Proceedings Published By:
- 4 2013 Title of the Paper: "Perceived Organizational Support, Supervisory Support, Job Satisfaction, Organizational Commitment and Turnover Intentions: Investigation of the Relationship
Authors: Neerpal Rathi
Name of the Conference: Conference on Management Innovations: Challenges and Opportunities for Sustainable Development
Duration of the Conference: 22/2/2013 to 23/2/2013
Name of the Organizer: JK Lakshmipat University, Jaipur
Conference Venue: JK Lakshmipat University, Jaipur
Page No:
Proceedings Published By:
- 5 2013 Title of the Paper: "Managing Customer Relationships in Service Organizations: The Significance of Emotional Intelligence for Developing Long-Term Relationships
Authors: Neerpal Rathi
Name of the Conference: 8th SIMSR Global Marketing Conference
Duration of the Conference: 4/1/2013 to 5/1/2013
Name of the Organizer:
Conference Venue: KJ Somaiya Institute of Management Studies & Research, Mumbai
Page No:
Proceedings Published By:
- 6 2012 Title of the Paper: "Relationship Between Emotional Labor, Emotional Intelligence, and

- Organizational Commitment amount Frontline Employees
 Authors: Neerpal Rathi & K. Kang
 Name of the Conference: International Conference on Managing Human Resources at the Workplace
 Duration of the Conference: 14/12/2012 to 15/12/2012
 Name of the Organizer: SDMIMD Mysore
 Conference Venue: SDMIMD Mysore
 Page No:
 Proceedings Published By:
- 7 2012 Title of the Paper: “Retaining Talent by Enhancing Organisational Prestige: An HRM Strategy in the Competitive Global Workplace
 Authors: Neerpal Rathi
 Name of the Conference: 12th IHRM Conference
 Duration of the Conference: 10/12/2012 to 13/12/2012
 Name of the Organizer:
 Conference Venue: MDI, Gurgaon
 Page No:
 Proceedings Published By:
- 8 2012 Title of the Paper: “A Conceptual Model of the Effect of Emotional Intelligence on Job and Organizational Outcomes in Service Organisations”,
 Authors: Neerpal Rathi
 Name of the Conference: ECSB Conference-2012
 Duration of the Conference: 2012
 Name of the Organizer:
 Conference Venue: , Department of Management Studies, Indian Institute of Technology, Roorkee,
 Page No:
 Proceedings Published By:
- 9 2012 Title of the Paper: “Investigation of the Relationship between Emotional Labour and Employer Well-being”
 Authors: Neerpal Rathi
 Name of the Conference: Conference on Changing Perspectives & Paradigms in Business and Behavioural Sciences
 Duration of the Conference: 27/4/2012 to 28/4/2012
 Name of the Organizer: L.M. Thapar School of Management, Thapar University, Patiala
 Conference Venue: L.M. Thapar School of Management, Thapar University, Patiala
 Page No:
 Proceedings Published By:

10	2012	Title of the Paper: "Spirituality: A Key Factor to Achieve Sustainability Through the Empowerment of Compassionate/Altruistic Manager," Authors: Rajiv Prasad & Name of the Conference: "International Conference on Spiritual Paradigm for Surmounting Global Management Crisis," Duration of the Conference: 24/2/2012 to 26/2/2012 Name of the Organizer: Conference Venue: Varanasi Page No: Proceedings Published By:
11	2012	Title of the Paper: "Spiritual Paradigm for Surmounting Global Management Crisis: Role of Teachers in Value-based Higher Education" Authors: Rajiv Prasad & Sanjay Banerji Name of the Conference: "International Conference on Spiritual Paradigm for Surmounting Global Management Crisis," Duration of the Conference: 24/2/2012 to 26/2/2012 Name of the Organizer: Conference Venue: Varanasi Page No: Proceedings Published By:
12	2012	Title of the Paper: "MRP and Vendor Rating Practices – A case study of HMT Tractors Ltd", Authors: Sudhakar Achath Name of the Conference: Ninth AIMS International Conference on Management Duration of the Conference: 1/1/2012 to 4/1/2012 Name of the Organizer: AIMS Conference Venue: Pune Page No: Proceedings Published By:
13	2011	Title of the Paper: "Developing Leadership Skills among EMBA Students: Innovations in Design" Authors: Neerpal Rathi Name of the Conference: 2nd Indian Academy of Management (IAM) Conference Duration of the Conference: 18/12/2011 to 20/12/2011 Name of the Organizer: Indian Academy of Management Conference Venue: IIM Bangalore Page No: Proceedings Published By:
14	2011	Title of the Paper: Ash Dykes Project A and B" (Case Study)

- Authors: Sanjay Banerji
Name of the Conference: 2nd International Case Conference
Duration of the Conference: 3/11/2011 to 5/11/2011
Name of the Organizer: Institute of Management Technology, Nagpur, and Case Research Society of India
Conference Venue:
Page No:
Proceedings Published By:
- 15 2011 Title of the Paper: "Portfolio Optimization with Mean, Variance and Tracking Error Criteria"
Authors: Sudhakar Achath & Shashank Shekhar Singh
Name of the Conference: 10th International Conference on Operations and Quantitative Management
Duration of the Conference: 28/6/2011 to 30/6/2011
Name of the Organizer:
Conference Venue: Symbiosis Institute of Operations Management, Nashik
Page No:
Proceedings Published By:
- 16 2011 Title of the Paper: "Influence of Employee Well-Being on Organizational Commitment"
Authors: Neerpal Rathi
Name of the Conference: International Conference on Organizations in New Millennium: Challenges and Opportunities
Duration of the Conference: 10/10/2011 to 11/10/2011
Name of the Organizer: Ajay Kumar Garg
Institute of Management Ghaziabad, Uttar Pradesh
Conference Venue: Ajay Kumar Garg Institute of Management Ghaziabad, Uttar Pradesh,
Page No:
Proceedings Published By:
- 17 2011 Title of the Paper: "Empowering Rural Women and Creating Social Capital – The Impact of the Poornam Initiative for Sustainable Livelihoods"
Authors: Shobhana Madhavan
Name of the Conference: National Seminar on Sustainable Development and Empowerment of Women
Duration of the Conference: 14/10/2011
Name of the Organizer: NGO Shanti Ashram, Kovai Pudur, Coimbatore,
Conference Venue: NGO Shanti Ashram, Kovai

- Pudur, Coimbatore,
Page No:
Proceedings Published By:
- 18 2011 Title of the Paper: 'Quality of Work Life (QWL), Organizational Commitment, and Employee Well-Being: Exploration of the Relationship'
Authors: Neerpal Rathi
Name of the Conference: International Symposium on HR and Leadership Challenges for Businesses in India
Duration of the Conference: 28/1/2011 to 29/1/2011
Name of the Organizer: IIM Kozhikode
Conference Venue: IIM Kozhikode
Page No:
Proceedings Published By:
- 19 2009 Title of the Paper: "Building quality into processes: A study of evolution in manufacturing excellence in Tata Steels Ltd.",
Authors: Sudhakar Achath & Sudip Pareira
Name of the Conference: Seventh AIMS International Conference on Management
Duration of the Conference: 20/12/2009 to 23/12/2009
Name of the Organizer: AIMS
Conference Venue: IIM Bangalore
Page No:
Proceedings Published By:
- 20 2009 Title of the Paper: "Product pricing using TOC principles: An application to steel furniture manufacture",
Authors: Sudhakar Achath, Lambert Lopez & Shijith Kumar
Name of the Conference: XII Annual Conference of the Society of Operations Management
Duration of the Conference: 20/12/2009 to 22/12/2009
Name of the Organizer: Society of Operations Management
Conference Venue: IIT Madras, Chennai
Page No:
Proceedings Published By:
- 21 2009 Title of the Paper: Self awareness and personal growth - A Core Training for New Leaders,
Authors: Udhayakumar C.S. and Florence Rodhain
Name of the Conference: 2nd International Conference on Integrating Spirituality and Organizational Leadership
Duration of the Conference: 9/2/2009 to 12/2/2009

- Name of the Organizer: ISOL
Conference Venue: Auroville, Pondicherry
Page No:
Proceedings Published By:
- 22 2009 Title of the Paper: “A Conceptual Model for Measuring Environment Friendly Supply Chain Performance”,
Authors: Sudhakar Achath, Venugopal G., & Sudipta Kumar Chakraborty
Name of the Conference: 3rd International Symposium and Workshop on Global Supply Chains
Duration of the Conference: 6/1/2009 to 7/1/2009
Name of the Organizer: PSG Institute of Management, Coimbatore
Conference Venue: PSG Institute of Management, Coimbatore
Page No:
Proceedings Published By:
- 23 2009 Title of the Paper: “Metrics Management in Customer Service Function of BPO Sector: A Case Study”
Authors: Sudhakar Achath
Name of the Conference: 6th AIMS International Conference on Management
Duration of the Conference: 28/12/2009 to 31/12/2008
Name of the Organizer: AIMS
Conference Venue: Indian Business Academy, Greater Noida
Page No:
Proceedings Published By:
- 24 2009 Title of the Paper: “Reducing Interest Rates in Joint Liability Group Lending through Forward and Backward Linkages”
Authors: Sunil Puliyakot
Name of the Conference: International Conference on Economics and Finance
Duration of the Conference: 8/1/2009 to 9/1/2009
Name of the Organizer: IBS Bangalore
Conference Venue: IBS Bangalore
Page No:
Proceedings Published By:
Title of the Paper:
Authors:
Name of the Conference:
Duration of the Conference:
Name of the Organizer:
Conference Venue:
Page No:
Proceedings Published By:

23. Details of patents and income generated

NIL

24. Areas of consultancy and income generated

We do not have any income from consultancy as our faculty members are not required to share any income which they may get from consultancy projects that they may do. Consultancy has not been a major focus of the school because of the small faculty size that we have.

But individual faculty members have done some good quality consultancy work. For example, last year Dr. Rajiv Prasad, Associate Professor was invited by Commonwealth of Learning, a Vancouver Canada based organization set up by the governments of Commonwealth countries to develop the course material for the Business Ethics course of their international EMBA programme which is run in the distance mode in almost 10 countries. As our faculty strength increases in the future, we would like to encourage our faculty members to do more consultancy work.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

S. No.	Faculty Name	Designation	Name of Outside Institution	Dates	Theme of Visit	Outcomes
1	Dr. Biresh Sahoo	Professor	Department of Economics, Vienna University	Feb. 2008-Feb. 2009	Post-Doctorate Fellowship	Completed the Programme successfully
2	Dr. Biresh Sahoo	Professor	National Graduate Institute for Policy Studies, Tokyo, Japan,	12/3/2009 to 20/3/2009	As a visiting scholar on a joint research project	The project was completed. It led to journal publication.
3	Dr. Sanjay Banerji	Professor Emeritus	Singapore Management University, Singapore	22/11/2012 to 24/11/2012	To chair a session at the International Conference on Business Management & Information System	

4	Dr. P. Balasubramanian	Assoc. Professor	Deakin University	15/12/2012 to 26/12/2012	Joint Research Project	Would lead to international journal paper
5	Gyanendra S. Sisodia	Faculty Associate	University of Porto, Portugal	September 2013 to August 2014	Pre-Doctoral Fellowship under the Erasmus Mundus scheme	

26. Faculty serving in

- l) National committees b) International committees c) Editorial Boards d) any other (please specify)
NIL

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions**

NIL

Participation of Amrita Faculty in Faculty Development Programmes conducted **by Other Institutions**

S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/Y Y to DD/MM/YY)	# Amrita Faculty Participants***
1	SAP University Alliances	New Delhi	SAP training as a trainer for the five basic modules of SAP ECC 6.0 system.	18/8/2008 to 22/8/2008	Dr. Sanjay Banerji
2	Tata Institute of Social Science	Mumbai	Winter Programme on 'Data Analysis in Social Sciences'	10/11/2008 to 22/11/2008	Dr. Rooplekha Khuntia
3	SAP University Alliances	Pune	SAP Certification	3/8/2009 to 14/8/2009	Prof. Bhawana Jain

			Registration for TERP-10 Training Workshop		
4	AACSB International	Singapore	Business School Accreditation Seminar	6/10/2010 to 7/10/2010	Dr. Sanjay Banerji
5	AACSB International	Singapore	Business School Accreditation Seminar	6/10/2010 to 7/10/2010	Dr. Rajiv Prasad
6	AACSB International	Singapore	Assurance of Learning Seminar	8/10/2010 to 9/10/2010	Dr. Sanjay Banerji
7	AACSB International	Singapore	Assurance of Learning Seminar	8/10/2010 to 9/10/2010	Dr. Rajiv Prasad
8	AACSB International	Tampa, Florida, USA	Applied Assessment and Enhancing Faculty Effectiveness	18/11/2010 to 20/11/2010	Dr. G. Kalyanaram
9	AACSB International	Singapore	Redesigning the MBA: A Curriculum Development Symposium	12/10/2011 to 13/10/2011	Dr. G. Kalyanaram
10	AACSB International	Brussels, Belgium	Business School Accreditation seminar	3/3/2011	Dr. G. Kalyanaram
11	AACSB International	Kualalumpur, Malaysia	Assurance of Learning Seminar	13/10/2012 to 14/10/2012	Dr. Deepak Gupta
12	AACSB International	Goa	Assurance of Learning Seminar	4/2/2013 to 5/2/2013	Dr. Mridula Sahay
13	AACSB International	Goa	Assurance of Learning Seminar	4/2/2013 to 5/2/2013	Dr. P. Balasubramanian
14	AACSB International	Goa	Assurance of Learning Seminar	4/2/2013 to 5/2/2013	Dr. Neerpal Rathi
15	K.J. Somaiya Institute of	Mumbai	Practical Seminar on	29/1/2010 to 30/1/2010	Bhawana Jain

	Management Studies & Research		Academic Research Methods: Some Basic Inputs		
16	Birla Institute of Technology	Greater Noida	Workshop on Capstone Business Simulation	19/4/2010 to 21/4/2010	Sunil Puliya Kot
17	Coimbatore Branch of SIRC of ICAI	Namakkal	SIRC Regional Residential CPE Seminar	28/5/2010 to 30/5/2010	Bhawana Jain
18	Tamil Nadu Agricultural University	Coimbatore	Faculty Development Programme on Commodity Futures	21/7/2010 to 22/7/2010	Dr. P. Balasubramanian
19	Symbiosis Centre for Management and Human Resource Development		Workshop on Introduction to ERP GBI 2.0 – Delta Training by SAP University Alliances India	16/11/2010 to 21/11/2010	V. Sriram
20	KPMG	Coimbatore	Two-day training on IFRS	18/12/2010 to 19/12/2010	Bhawana Jain
21	IIM Ahmedabad	Ahmedabad	Workshop on Innovating for Excellence: Programme for Leaders in Management Education	6/12/2010 to 11/12/2010	Dr. Sanjay Banerji
22	National Institute of Personnel Management, Coimbatore Chapter	Coimbatore	Workshop on Trends & Innovative practice in Talent Acquisition	23/7/2011	Dr. R.G. Priyadarshini

23	SCMHRD	Pune	SAP TERP 10 Workshop	1/8/2011 to 11/8/2011	S. Rajagopalan
24	MBAUniverse.com	New Delhi	Indian Management Conclave – “How to Build a great B-School: What is the new DNA”	11/8/2011 to 12/8/2011	Dr. Prita Chatoth
25	MBAUniverse.com	New Delhi	Indian Management Conclave – “How to Build a great B-School: What is the new DNA”	11/8/2011 to 12/8/2011	Dr. Deepak Gupta
26	Confederation of Indian Industry, Coimbatore Chapter	Coimbatore	One-day Session on Leveraging Accreditation for Assuring Quality in Higher Education Institutions	9/9/2011	Dr. R.G. Priyadarshini
27	Deakin India Research Initiative	New Delhi	Symposium on Frontiers in Science	21/11/2011 to 23/11/2011	Shobhana Madhavan
28	GRG School of Management Studies	Coimbatore	Faculty Development Programme on Emerging Dimensions in Business Leadership	6/1/2012 to 7/1/2012	Prof. S.G. Kulkarni & Dr. P. Balasubramanian
29	National Institute of Personnel Management	Coimbatore	A Workshop on Industrial Harmony Through Effective IR Practices	28/9/2012	Dr. R.G. Priyadarshini
30	AIMA, New Delhi	New Delhi	Faculty Development	8/10/2012 to 10/10/2012	Dr. Deepak Gupta

			Programme on Building the Foundations of Management Research: Workshop for Doctoral Educators		
31	Indian Society for Applied Behavioural Sciences (ISABS)	Goa	Basic Laboratory in Human Processes (BLHP)	12/5/2013 to 18/5 2013	Dr. Rajiv Prasad
32	Indian Society for Applied Behavioural Sciences (ISABS)	Goa	Basic Laboratory in Human Processes (BLHP)	20/5/2013 to 26/5/2013	Dr. Neerpal Rathi

***Attach separate list of faculty names, designations, and department/school names.

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities / industry / institute

Note: Department must maintain records of the projects.

All the 100% of the students have done their Summer Internship Projects with different organizations. It is a part of the MBA programme.

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

Note: Provide in list format. Supporting documentation must be maintained in department.

Our faculty, Doctoral and MBA students won many laurels for the school in the last five years. Some of the most significant ones are listed below.

- Dr. Biresh K. Sahoo, Professor, was awarded the Second Young Management Researcher Award in December, 2008 by AIMS International (The Association of Indian Management Scholars). The award also carried with it a cash prize of Rs. 5,000/.
- Dr. Sanjay Banerji, Dean, was invited to join the panel as a speaker on the topic “Developing Management Education to Make Organizations Competitive” during the annual Industry-Institute Interface Day organized by GRG School of Management Studies, Coimbatore on 20th Dec. 2008.

- Dr. Sudhakar Menon Achath, Professor, was invited as a Chief Guest for the Intercollegiate meet 'MAGWHIG' 2009 organised by the Business Management Department, Sree Narayana Guru College, Chavadi, Coimbatore on 5th January 2009.
- Mr. R Girish, our IInd year MBA student from 2007-09 batch won the 1st prize in the paper presentation event called 'Vibhukshetra' at Progyan'08, a national level management symposium organized by the Phoenix Association, the students forum of the School of Management of Sastra University at Tanjore on 17th Oct. 2008. This event had attracted participation from students from around 50 Business Schools in the country.
- Two of the school's faculty members, Dr. Sudhakar Achath, Professor, Operations area (2009) and Dr. Rani Geetha Priyadarshini, Associate Professor, HRM area (2012) have received the prestigious Dewang Mehta Memorial Award for excellence in Management teaching in the last five years.
- Ms. Deepa Bharati, our IInd year MBA student from the 2007-09 batch represented India at the prestigious ESOMAR conference at Beijing in April, 2009. She got this opportunity after coming through a very tough selection process where she had to compete from B-School students from many top Schools including the IIMs. Previous year, Ms. Megha Aggarwal, Deepa's immediate senior had won the same honour for herself and for us.
- Dr. Sudhakar Achath, Professor was also awarded the AIMS International Distinguished Service Award, 2010 at the Eighth AIMS International Conference conducted at IIM Ahmedabad in recognition of the exemplary service that he has rendered to academia in the area of Operations Management.
- Dr. R.G. Priyadarshini, Associate Professor, was invited to speak at a programme organized by Coimbatore Management Association (CMA) called Monday Musings on 25/1/2010. She spoke on the topic Good to Great.
- Dr. Sanjay Banerji, Dean, was invited by Malardalen University, Vasteras, Sweden to talk on Project Management on 23-2-2010 through internet.
- Dr. Deepak Gupta, Professor served as external Supervisor for two Masters thesis in IT management for the School of Sustainable Development of Society and Technology, Mälardalen University, Sweden, in the period March - June 2010.
- Ms. Anitha Kaveri, a IInd Year MBA student of the 2009-11 batch won the "The Smart Champion" award in the highly competitive Tata Consultancy Services Smart Manager Contest conducted by TCS and the Smart Manager Magazine. Her winning case analysis on the case "Sweet Salvation" was published in September-October 2010 issue of The Smart Manger Magazine. The case was on Pendharkar Bros, a household name across Maharashtra.
- Mr. Jaisurya Pavithran, a second year MBA student won the opportunity to represent India at the prestigious ESOMAR conference at Melbourne in March,

2011. He got this opportunity after coming through a very tough selection process where he had to compete from B-School students from many top Schools including the IIMs. In the earlier years two of our students Ms. Megha Aggarwal (2008) and Deepa Bharati (2009) had won the same honour for our school. This achievement by our student this year made it three times out of the last four years at this competition.

- Dr. Rani Geetha Priyadarshini, Associate Professor, was awarded the **“Best Net Teacher Award”**, by Confederation of Indian Industry (CII) for constant motivated and dedicated efforts towards CII-Yi (Confederation of Indian Industries – Young Indian) activities for the year 2011 - 2012 .
- Dr. Rajiv Prasad, Associate Professor, was hired in 2012 as a consultant to design the course material for the Business Ethics course their EMBA programme by the Vancouver, Canada based Commonwealth of Learning which is an international educational institution founded by the governments of Commonwealth countries. This international distance mode MBA programme for which this course material was designed is offered by the Commonwealth of Learning in many member countries of the Commonwealth.
- Oxford University Press, a leading publisher of management books has expressed interest in including the case studies that Prof. Shobhana Madhavan wrote for her textbook Cross Cultural Management Concepts and Cases, Oxford University Press, New Delhi, 2011 in a separate case series being planned by them.
- The paper titled “The effect of direct advertising to consumers(DTCA) on Market Share and Quantity in pharmaceutical drugs, and Consumer Welfare” authored jointly by our the then Dean Dr. Gurumurthy Kalyanaram and Dr. Deepak Gupta, and presented at the MBAA Conference held at Chicago, USA from 23/3/2011 to 25/3/2011 was adjudged the best paper at the conference.
- Dr. Sudhakar Achath was invited to be the Session Chair for one of the Sessions, Session WD04: Applications of Dynamic Programming and Control, at the 2012 Annual Meeting of the Institute for Operations Research and the Management Sciences INFORMS, held from 14-17 October 2012, at Phoenix, Arizona, USA.
- Dr. Sanjay Banerji, Professor Emeritus, was invited to be the Session Chair for one of the Sessions at the International Conference on Business Management & Information System held at Seminar hall, Singapore Management University, Singapore on November 22-24, 2012.
- Dr. Mridula Sahay co-chaired a session during the International Conference on “Sustainable Development & Governance: Building Commerce and Communities” held jointly by Amrita School of Business, Amrita University, Coimbatore, India; Deakin University Australia; Sustain Group, Australia; and UN Global Compact, held from 11-13 December, 2012 at ASB, Coimbatore
- Prof. Shobhana Madhavan was invited to conduct a session on “Cross-cultural Communication Challenges’ by CIRCOR International, Coimbatore on 3 December 2012.

- Prof. Shobhana Madhavan and Dr. Deepak Gupta organized an NGO Summit as part of the Amrita-Deakin Sustainable Development Conference on 14 December 2012. The theme of the NGO Summit was "Scaling up Sustainability Initiatives - Issues and Challenges Faced". NGO leaders from USA, Hyderabad, Coimbatore, Pollachi, Orissa, and Bangalore participated in the Summit.
- Prof. Shobhana Madhavan was invited to a Youth Leadership Summit organized by an NGO, Shanti Ashram and addressed over 100 youth leaders on the topic of Active Citizenship on 30 January 2013
- Ms. K. Hemamala, Faculty Associate participated and presented a case on "Storm in a Tea Cup" as a part of the Teachers Day Celebrations organized by CII Coimbatore on September 21, 2012 and secured first place and also received a Computer tablet for her winning case study.
- Arun Kumar K., MBA-II, Jaikesh K, and Venkatraman J, MBA-I participated in a National Level Professional Meet 'Genesis '13', organized by Nehru College of Management, Coimbatore and adjudged as Best Management Team

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

No	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/Y Y to DD/MM/Y Y)	Number of Participants		Source of Funding	Seminar / Workshop Outcome
1.	Executive Development Program	10/11/2008 to 15/11/2008	Local	2	Employee State Insurance Corporation	Training imparted to the ESIC Executives in different areas of Management
			Within State	-		
			Outside State	20		
2.	Executive Development Program	27/1/2009 to 30/1/2009	Local	-	"	Training imparted to the ESIC Executives in different areas of Management
			Within State	-		
			Outside State	20		
3.	Officers' Training Program	15/6/2009 to 27/6/2009	Outside State	51	"	Management Training imparted to entry level officers of ESIC
4.	Faculty Development	3/1/2011 to 5/1/2011	Local	30	Self Financed	Members of our Faculty

	Programme on Research Methodology and Psychoinformatics					and our Doctoral students attended this Seminar
5.	Cross-cultural & Change Management, and Leadership Transition	16/3/2011	Local & outside the state	19+6 = 25	Self Financed and MDP Fees from the participants	Training imparted on the topics covered to all the participants
6.	Doctoral Seminar on Modelling and Econometrics	26/5/2011	Local	25	Self Financed	Training imparted to all our PhD students and some of our faculty members who participated
7.	Doctoral Seminar on Marketing Modelling	2/6/2011	Local	15	No cost incurred as the seminar was conducted by our Dean	”
8.	Open House Seminar on Sustainable Innovation	5/7/2011	Local	120	Self Financed	Knowledge sharing with members of the Business and Management Community of Coimbatore
9.	International Conference and Workshop on “Legal Pluralism in Natural Resource Management”	30/3/2012 to 31/3/2012	Local, Within state, Outside state & International	>100	Amrita University & International Commission on Legal Pluralism	Conference proceedings titled “ <i>Legal Pluralism in Natural Resource Management : South and South-East Asian Perspectives</i> ” (ISBN: 978-93-

						82062-16-5)
10.	International Conference on “Sustainable Development and Governance: Building Commerce and Communities ”	12/12/2012 to 14/12/2012	Local, Within state, Outside state & International	>150	Amrita University, Deakin University, Australia; Sustain Group, Australia; & Global Compact Network	Conference proceedings titled “ Sustainable Development & Governance: Building Commerce & Communities ” (ISBN: 978-81-924422-2-8)

31. Code of ethics for research followed by the departments

All our students are advised about our expectations regarding the standards of ethics that they need to maintain while conducting research and doing various projects and assignments. We have a zero degree tolerance policy for plagiarism and other such unethical practices.

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MBA	865	70%	30%	8%	3.5%
Ph.D.	16	71%	29%	31%	12%

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MBA	7%	33%	59%	1%
Ph.D.	45%	7%	37%	11%

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

For students with admission status active during the report period:

We take admissions on the basis of CAT/GMAT or XAT scores. Thus, almost all of our students are CAT qualified. Other exams mentioned in the table below are not relevant for us.

For passed out students who got the NET/SLET/GATE etc results during the report period:

S.	Schoo	Departme	# NET	#	# GRE	# CAT	# SLET	#

No.	l Name	nt Name	qualifie d	GATE qualifie d	qualifie d	qualifie d	qualifie d	qualifie d in other exams
NIL	NIL	NIL	NIL	NIL	NIL	All our students clear CAT or GMAT or XAT	NIL	NIL

35. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	< 1%
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	95%
• Other than campus recruitment	4%
Entrepreneurs	< 1%

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	Nil
from other universities within the State	29.4%
from universities from other States	70.6%
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

NIL

38. Present details of departmental infrastructural facilities with regard to

- Library
- Internet facilities for staff and students
- Total number of class rooms
- Class rooms with ICT facility
- Students' laboratories
- Research laboratories

a) Library Infrastructure
Infrastructure Item

As of 30/6/2013

Carpet area	586 m
Books	15,020
Journals	165
Online Journals	6300
CD/DVD	1058

Library expenditure for the last five years:
Rs. 99.61 lakhs

b) Internet facilities for staff and students

ASB, Coimbatore is fully networked with fiber-optic backbone and several nodes distributed throughout. The School has 68 computers, and 5 printers. The bandwidths are 2 MBPS and 256 KBPS.

There is one computer laboratory in ASB with 19 computers with access to Internet and 49 Ethernet ports for the students to connect their laptops. The lab is maintained by a Senior Lab In-charge and assisted by Lab Assistants. Generally the lab is kept open from 7:00 AM to 11:00 PM. Being a young and growing School with lot of emphasis on technology and access we have taken extra pains in meeting these needs as we find that this is a major tool and medium for learning in the modern day. Faculty members are provided with computers in their offices with high speed Internet access. A Laser Printer is provided in the Administration office, and all faculty members are connected to it. All the members of the administrative staff have access to their own office computers with access to internet.

All the students are required to own their own laptop computers. The School building is Wi-Fi enabled which allows easy internet access to all the students on 24X7 basis on their laptops.

(c) & (d) Total number of classrooms and classrooms with ICT facility

ASB has excellent infrastructural facilities in all its campuses. It has a total built-up-area of around 6560 sq. meters of buildings in a total land area of 14.96 acres. ASB has the following facilities.

- (1) Four classrooms equipped with speakers, 1 computer and 1 video projector. Each of the four main classrooms can seat 60 students each.
- (2) There are four other classrooms that can seat 30 students each.
- (3) An auditorium with speakers/computer/video projector that can seat 250 people.
- (4) An executive classroom equipped with speakers/computer/video projector that can seat 85 people.
- (5) A large classroom equipped with speakers/computer/video projector that can seat 120.
- (6) A conference room equipped with speakers/computer/video projector that can seat 35.
- (7) One small meeting rooms which can seat 10.
- (8) Single room offices for all full-time faculty members.
- (12) Four restrooms for gents and four restrooms for ladies.
- (13) Water cooler machines that provide drinking water, available on all the four floors.

(e) Students' laboratory

There is one computer laboratory in ASB with 19 computers with access to Internet and 49 Ethernet ports for the students to connect their laptops. The lab is maintained by a Senior Lab In-charge and assisted by Lab Assistants. Generally the lab is kept open from 7:00 AM to 11:00 PM.

Apart from this, the School building is Wi-Fi enabled and all the students own their own laptop computers. This allows all the students 24X7 access to the internet.

(f) Research Laboratories: Being a Management school, we do not have a research laboratory.

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

b) from other institutions/universities

a) PhD students from the host institution/university

S. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name of PhD Guide	Research Area
1	Nandikkara Dinesh Warriar	MS	Amrita University	ASB	Dr. Rajiv Prasad	OB&HR
2	Sandhya G	PGPM	Amrita Institute of Management	ASB	Dr. Deepak Gupta,	Marketing
3	Sougata Ray	PGPM	Amrita Institute of Management	ASB	Dr. Sushanta Mohapatra,	Finance
4	Suganya Doraiswamy	MS	Amrita University	ASB	Dr. Deepak Gupta,	Strategy
5	Avinash Shivdas P	MBA	Amrita University	ASB	Dr. Hardik Vachhrajani	Marketing
6	Shweta Premanandan	MBA	Amrita University	ASB	Dr. Vivek Menon (provisional)	Systems
7	Vinitha V U	PGDM	Amrita Institute of Management	ASB	Not yet finalized	Marketing
8	Sameek Ghosh	MBA	Amrita Institute of Management	ASB	Not yet finalized	IT
9	Smrithi Rekha	MS	Amrita University	ASB	Not yet finalized	IT
10	Vanitha Prasad	MBA	Amrita University	ASB	Not yet finalized	HR
11	Jeayaram S	MBA	Amrita University	ASB	Not yet finalized	HR& Strategy
12	Remya Mohan	MBA	Amrita University	ASB	Not yet finalized	Marketing

a) from other institutions/universities

S. N o.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name of PhD Guide	Research Topic / Area
1	Bhawana Singhvi	CA	ICAI	ASB	Dr. Amalendu Jyotishi	Finance & Accounts
2	Rajagopalan S	MMS	BITS, Pilani	ASB	Dr. Deepak Gupta,	Marketing
3	Ravi U R S D	PGDM	SYMBIOSIS	ASB	Dr.Rajiv Prasad,	Strategy
4	Satheesh Kumar K G	MBA	University of Kerala	ASB	Dr. Amalendu Jyotishi,	Strategy
5	Hemamala K	M.Phil	Bharathiar University	ASB	Dr. Sanjay Banerji	Operations
6	Prasannavadan Thampi P	MBA	IGNOU	ASB	Dr.Amalendu Jyotishi	Marketing
7	Rema Naganathan	MBA	CUSAT	ASB	Dr. Deepak Gupta	Marketing
8	Chakravarthy J S K	PGBM	XLRI	ASB	Not yet finalized	Marketing
9	Gyanendra Singh Sisodia	MBA	National Institute of Management	ASB	Not yet finalized	Marketing
10	Narayanan Ramanathan	MS	Pennsylvania State University	ASB	Not yet finalized	Economics
11	Anupkumar M A	MBA	Bharathidasan University	ASB	Not yet finalized	IT
12	Guidi Marc Antoine Diego	Masters in Finance	French Grande Ecole Business School	ASB	Not yet finalized	OB&HR
13	Rajeev R	PGDBA	SYMBIOSIS	ASB	Not yet finalized	HR
14	Sofi K G	MBA	Sambalpur University	ASB	Not yet finalized	Marketing
15	Shekar Babu	MS	California State University	ASB	Not yet finalized	Strategy

40. Number of post graduate students getting financial assistance from the university.
NIL

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

A part time PhD Programme was started in 2009 for the working management professionals and academics. A formal need assessment exercise was not undertaken by us. But we used to get many enquiries from professionals and management academics in neighbouring areas about when we will start our PhD programme. We had built up good infrastructure and had an excellent set of highly qualified faculty from top Schools and universities such as IIMs, IITs, JNU, University of California and so on. Thus we felt that we are ideally positioned to start a PhD programme. The programme is going on very well and every year the number of applicants is increasing.

42. Does the department obtain feedback from

- w. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
- x. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
- y. alumni and employers on the programmes offered and how does the department utilize the feedback?

- a. All the faculty members who teach at our school are given the freedom to design the course syllabus and submit the Course Outline to the PGP office before beginning the course. The course content and quality is reviewed by the PGP Committee. This is a system followed by most of the IIMs and we have adopted the same to ensure the currency of the courses as well as to empower our faculty members.
- b. Students give feedback to the faculty for the course content, quality of teaching, the processes followed while teaching etc. at the end of every course both in the MBA and the PhD programme. This helps the faculty members to make the necessary improvements. The course feedback is also used as an input while making the annual performance evaluation of the faculty members.
- c. Alumni are constantly engaged with the school and their inputs are always utilized to improve our programme offerings. The Placement Cell is in constant touch with the employers. Their inputs are used to take up special programmes like foreign language teaching programmes, special electives etc. from time to time.

43. List the distinguished alumni of the department (maximum 10)

Sl#	Name	Organisation	Designation	Batch
1	Raj.J. Kurup	Zensar Technologies Ltd, Melbourne	Director Business Development, Australia South	1999
2	Rakesh.B.S.	Zurich Insurance Company Ltd, UAE	Head of Bancassurance, Affinity &	1999

			Partnerships - Middle East	
3	Sreejith.K.Sivanandan	AOL, Bengaluru	Director - APAC	1999
4	Prakash Subramanian	Oracle, Bengaluru	Sr. Director	2001
5	Dilip Gopinath	HSBC, Chennai	VP & Cluster Manager - Business Banking	2002
6	Ravathi Raghunath	Cobalt Group, Bengaluru	VP-Strategy & Planning	2003
7	Pratik.C.Asher	Info Edge India Ltd.,Riyadh	Head Sales- Saudi Arabia	2003
8	Faisal Humayun	Amba Research (India) Pvt. Ltd	Associate Vice President	2007
9	Megha Agarwal	Hindustan Uni Lever Limited, Mumbai	Asst. Brand Manager	2008
10	Rahul Sasiraj	Syntel, American Express, Brighton, UK	Business Analyst	2008

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

A special feature of our School is the series of seminars that is held under the brand name of 'Colloquium'. A host of distinguished members of the industry, academia and other celebrities share their rich experiences in different fields with our students. Following is the list of Colloquium seminars held in the School in the last five years. All the students are required to attend these seminars. The various Colloquium Seminars and other student enrichment activities are listed below.

S.No.	Name of Expert Resource	Topic	Date	No. of Participants
1	Mr. Sekar Raju, Assistant Professor, Department of Marketing, Iowa State University	Working in Global Environments	11/7/2008	All Students
2	Mr. Venkatesh Nagan, Apparel Sourcing Director, Sprandi International Ltd., Shanghai	Taking the China Challenge in Apparel Sourcing	16/7/2008	”
3	Dr. Vijay Ramakrishnan, Founder & CEO, Pikamab	Entrepreneurial Skills	27/7/2008	”
4	Swami Someswarananda, Chairman, Vivekananda Centre for Indian Management, Indore	What Can Young Managers do for Modern India?	17/9/2008	”
5	Mr. B. Binoy, Assistant Vice President, Marketing Idea Cellular Ltd.,	Role of Branding Communication in Marketing	27/9/2008	”
6	Mr. Biju Dominick, CEO, Final Mile Consultancy	Learning Marketing from Politicians and	4/4/2009	”

7	Mr. P.N.S.V. Narasimham	Beggars Changing the Downturn	5/4/2009	”
8	Mr. Naveen Kulkarni, Director, Business Development, Philips Research Asia	The Entrepreneur Gene	5/8/2009	”
9	Ms. Krishnan Hemamala, Assistant Dean, Bharathiya School of Management	Being a part of Intelligent Organizations	7/8/2009	”
10	Mr. Kesava Murthy, Consultant	Conducted a Workshop on Strategic Marketing	14/8/2009	”
11	Mr. T.R. Vasu, Regional Manager-South, Wrigley India Pvt. Ltd., & Mr. Thirumalai M, Key Accounts Manager, South India, Wrigley India Pvt. Ltd.,	Conducted a workshop on Sales and Distribution Process at Wrigley	9/9/2009	”
12	Mr. R.S.Rajan, Sr. VP, Ion-Exchange	Meeting Challenges in Today's Environment	24/12/2009	”
13	Mr. Sarath Babu, Founder & CEO, Foodking Catering Services Pvt. Ltd.,	The Story of My Life as an Entrepreneur	8/11/2009	”
14	Dr. Kezevino Aram, Director, Shanti Ashram	Is a healthy start to life possible for all children in India today?	5/11/2009	”
15	Mr. E.R. Sainath, General Manager-Sales, (Rest of Tamil Nadu), Reliance Communication	Overview of Telecom Industry	21/10/2009	”
16	Prof. Karmeshu, Former Dean, Systems Department, Jawaharlal Nehru University, New Delhi	Mathematical Model of Product Life Cycle	19/9/2009	”
17	Mr. Purushottam, Head-Youth Affairs, Young India	Importance of being a <i>Young Indian (Yi)</i>	30/9/2009	”
18	Mr. Kannan.P. Sreenivasan, International Business Consultant	Technology & Entrepreneurship	28/10/2009	”
19	Mr. VP Sajeevan, Divisional Head, Canon India	Brand Activation	4/12/2009	”
20	Mr. A. Krishna, Vice	Business Values	28/12/2009	”

	President, Bosch India	and Ethics – a Core Value or Strategic Move		
21	Mr. Gangadhar, IBM	Alumni Workshop on Distribution network of IBM	16/9/2009	60
22	Mr. Anand Menon & Mr. Anoop Menon from Thomas Cook	Alumni Workshop on Distribution network of HUL	19/9/2009	60
23	Mr. Bikash S., LG. Electronics	Alumni Workshop on Production and Operational Management at LG	19/10/2009	60
24	Lt. Col. Korath V. Mathew	Alumni Workshop on E-Governance	23/10/2009	”
25	Mr. Aneerush, Irevna	Alumni Workshop on Financial Modelling	24/10/2009	”
26	Mr. Arjun Gopalakrishnan, Irevna	Alumni Workshop on Financial Writing	25/10/2009	”
27	Mr. A. Krishnan, VP, Bosch India			”
28	Mr. Rajesh Rai, Co-founder & Principal of New Markets Growth Fund (NMGF)	Role of Venture Capital in Entrepreneurial Growth	10/1/2010	”
29	Dr. Ella Roininen, Business Manager, Global Technology Services, IBM, Switzerland	Organizational Equality	11/1/2010	”
30	Dr. Sunitha Krishnan, Gen. Secretary, Prajwala	Fighting for Innocence – The Bane of Child Trafficking	25/1/2010	”
31	Ms. Hema Hattangady, VC & CEO, Konzerv	Running a multi-million dollar Company in India Ethically – A Real Life Account of CSR	23/1/2010	”
32	Mr. C.S. Baskar, COO, Royal Classic Group	Marketing and Brand Building Initiatives	30/1/2009	”
33	Mr. Vijay Menon, Competency Enabler; HOD Suntec India	Indian Contemporary Values	9/2/2010	”
34	Mr. C.S. Anand, MD, Hapag Lloyd Global Services	Being Successful in the Corporate World	11/2/2010	”
35	Swami Prahaladananda	Stress Management	13/2/2010	”

	Saraswati, Bihar School of Yoga	in Corporate Life		
36	Mr. N Sundararajan, ED, Ashok Leyland	Indian Financing Market & Sub-prime crisis	28/2/2010	”
37	Prof. K. Subramanian, DDG (NIC), Ministry of C & IT, India	Retailing and Retail Management: People, Process and Technology	1/3/2010	”
38	Mr. R Shyam Sunder, HR Advisor, KG Group of Companies	Workforce Rationalization and Employee Engagement	8/3/2010	”
39	1. Dr Rahul Mirchandani, Executive Director, Aries Agro Ltd (Panelist) 2. Ms Shobhana Kameneni, Executive Director, Apollo Hospitals Group (Panelist) 3. Mr Krishna Samaraj, CMD, Magna Electro Castings (Panelist) 4. Mr. Omkar Sankar, Chairman & MD Sankar Foundation (Moderator)	Symposium on the theme “Can the world’s largest democracy become an economic superpower?”	13/3/2010	”
40	Mr. N Sundararajan, ED, Ashok Leyland	Transition from Student Life to a Working Professional	16/3/2010	”
41	Mr. Pratyush Prasanna, Open Innovation Manager, Xerox	Product Management	20/3/2010	”
42	Mr. N.S. Parthasarathy, Co-founder & Ex-CEO, MindTree	10 Values of an Eminent Manager	20/3/2010	”
43	Mr. Unni Nair, MD Excel Adventure & Entertainment	Maximizing Potential through fun	20/3/2010	”
44	Mr. Anand Sen, VP- Flat Products & TQM, TATA Steel	Commodity to a Brand – A Journey of TATA Steel	21/3/2010	”
45	Mr. Sudhir Goyal, Ex VP	Leadership	30/3/2010	”

46	HR, UB Group Ms Hema Hattangady, CEO Konzerv-Schneider India Ltd	Doing Business Ethically	1/4/2010	”
47	Mr. Gurucharan Das, Former CEO, Procter & Gamble (I) Ltd	Difficulty of Being Good: On the Subtle Art of Dharma	2/4/2010	”
48	Prof. Paulo Colini, Dean, Faculty of Economics, University of Trento, Italy	Euro Crisis	12/7/2010	”
49	Mr. Pravin Shekhar, Founder, CEO & Country Representative for ESOMAR	The Law of Attraction and what it means to Entrepreneurship and Research	19/7/2010	”
50	Mr. Pravin Shekhar, Founder, CEO & Country Representative for ESOMAR	Internet Marketing	19/7/2010	”
51	Dr. Vijay Ramakrishnan, Founder & CEO, Pikamb Inc, California Entrepreneurship	Entrepreneurship	22/7/2010	”
52	Mr. R.V. Rajan, MD, Anugrah Mktg. & Advertising Services	Branding in Rural Markets	12/8/2010	”
53	Mr. Kandasamy Muniaswamy, Sr. Director, Symantec	IT Consulting	13/8/2010	”
54	Mr. John Scade, Director, MAS Business	Business Sustainability	27/8/2010	”
55	Mr. John Scade, Director, MAS Business	Financial Sustainability	28/8/2010	”
56	Mr. Sivadasaprabhu, Lecturer, Symbiosis	SPSS	29/8/2010	”
57	Mr. Madhu Ganesh, GM, Technology Development, Elgi	Innovation – Why and How?	14/9/2010	”
58	Mr. Radha Nandakumar, Director, International Affiliations & Campus Relations, National Center for Supercomputing Applications	How High Computing can add Value to Business	16/9/2010	”
59	Mr. Prsannavadhanan, VP, Oracle Financial Services, Oracle	Career in Systems – A Management Perspective	16/9/2010	”
60	Swami Someshwarananda, Chairman, Vivekananda Centre for Indian	Indian System of Management	17/9/2010	”

	Management				
61	Mr. Binoy, AVP, Marketing, IDEA	Branding Communication	24/9/2010	”	
62	Mr. E.R. Sainath, GM, Reliance Communications	Getting acquainted to Telecom	21/10/2010	”	
63	Mr. Arjun Prakash, Co-Chair, Young Indians, Coimbatore Chapter	CII-Yi – We Can, We Will	23/10/2010	”	
64	Mr. Kurien, Head HR and Design, Future Innoversity	Career and Planning in HR	3/11/2010	”	
65	Dr. Kezevino Aram Director, Shanti Ashram	Is a healthy start to life possible for children in India today?	5/11/2010	”	
66	Prof. Paulo Colini, Dean, Faculty of Economics, University of Trento, Italy	Economic History of Europe	7/12/2010	”	
67	Dr. Madhu Ganesh, Vice President, Elgi Equipments Ltd.,	A Tryst with TRIZ	8/12/2010	”	
68	Mr. R.V. Rajan, President, Anugrah Madison Advertising Pvt. Ltd.	Brand Building in Rural Markets	8/12/2010	”	
69	Prof. Jay Mishra, Visiting Professor Harvard Business School & Ex-Fund Manager of Soros Mutual Funds	Rest in Peace – Good Times	12/12/2010	”	
70	Prof. Deepak Bhatnagar, Head, CITT, IIFT, New Delhi	International Trade and Culture	14/12/2010	”	
71	Prof. Deepak Bhatnagar, Head, CITT, IIFT, New Delhi	Nurturing Innovation	13/12/2010	”	
72	Mr. N.S. Parthasarathy, Co-Founder & CEO, MindTree	The Entrepreneurial Journey	18/12/2010	”	
73	Brig. Lalit Malhotra, Director – MDC, Ashok Leyland	Developing Competitive Edge for Facing Interviews and GDs	6/1/2011	”	
74	Mr. Leepesh Parat, CEO, Zeisty Beans	Sharing of experiences – An interactive session	24/1/2011	”	
75	Mr. Marc Pelletier, Market Development Consultant, Montreal, Canada	General Marketing Issues	27/1/2011	”	

76	Mr. N. S. Parthasarathy, CEO, MindTree	Experience of starting MindTree	19/1/2011	”
77	Mr. V.T. Thomas	The Next Stage of Indian Retail	5/2/2011	”
78	Mr. Govind Mukundan Communications Specialist, Accenture	Marketing to Marketers of one	15/2/2011	”
79	Dr.Kezevino Aram Director, Shanti Ashram	Social Entrepreneurship and Healthcare	28/2/2011	”
80	Mr.Ragunath S Iyer, Management Consultant, IBM	The Changing Realities in the world of work and careers	10/2/2011	”
81	Seshadri Venkatesan, Director - Operations, National Adventure & Leadership School	The Marketing of Adventure Services	1/3/2011	”
82	Mr. Subir Ghosh, President, Aegis Global	Customer Experience Management	3/3/2011	”
83	Mr. Porus Munshi, Consultant & Author	Making Breakthrough Innovation Happen	5/3/2011	”
84	Mr. Venkatesh Iyer, CEO, Goli Vada Pav, Mumbai	Seminar on Entrepreneurship	6/3/2011	”
85	Mr. Thimmaiah & Mr. Bhanumurthy, Economists, Planning Commission	Union Budget discussion	7/3/2011	”
86	Mr. Shivadas Prabhu Kingfisher Institute, Pune	Workshop on SPSS	8/3/2011 & 9/3/2011	50
87	GR Venkatesh, Chief Strategy Officer, Future Group	Back to the Future	18/3/2011	”
88	Dr. David Ford, Professor, Kazakhstan Institute of Management	Organisational Change Management, Leadership and Behavior	18/3/2011	”

89	Dr. Kumar Nochur, President, Vidya Technologies Inc. USA	Sustainable Innovation	5/7/2011	”
90	Mr. M K Chandrashekar Managing Director, Thoughtworks India Ltd	An Introduction to Below the Line Promotions	9/7/2011	”
91	Dr. Chandil Kumar Gunashekar COO – Narayana Hrudayalaya Diagnostic Services	Healthcare Industry in India	15/7/2011	”
92	Mr. Vivek Ramakrishnan Global Director, Sales & Service(Power), GE	How to Sell a Power Plant: My Experiences in B2B Selling and Global Business Development	21/7/2011	”
93	Dr. Sivakumar Venkataramany, Associate Professor, Ashland University	Emerging Financial Markets	26/7/2011	”
94	Dr. Madhusudan Atre, President & MD, Applied Materials (India)	Management & Leadership: Corporate Perspective	2/8/2011	”
95	Mr. V.R. Prasad, AGM, Mktg. Divn., Dalmia Cements	Emotional Connect with Customer	16/8/2011	”
96	Mr. Sunil Biyani, Director, Future Group	Retail in India	16/8/2011	”
97	Mr. Sunil K. Joy, Product Manager, E-Vision, Dubai	Integration of Telco Products with TV	19/8/2011	”
98	Mr. Shanmuga Ganesh, VP-Sales, Payoda Technologies	Human Sigma	16/9/2011	”
99	Mr. LRK Krishnan, Sr. VP- HR, R.Com	Career Opportunities in Telecom Sector	11/10/2011	”
100	Mr. Krishnan Unni, Director, JW Marriott, China	Cultural & Industrial Aspects in dealing with China	11/11/2011	”
101	Mrs. Tanuja Nair, Senior Procurement Specialist, Rio Tinto, Australia	Outsourcing	9/12/2011	”

102	Mr. Amaresh Pujari, Commissioner of Police, Coimbatore	Cyber Security and its relevance today	14/12/2011	”
103	Prof. M.C. Madhavan, Professor, IIT Madras	How IITs specialize in Management	19/1/2012	”
104	Ms. Megha Agarwal, Asst Brand Manager, HUL	The Jill of all trades: A Brand Manager’s Experience	28/1/2012	”
105	Dr. Ananta Kumar Giri Associate Professor, Madras Institute of Development Studies, Chennai	Transformative Harmony	1/2/2012	”
106	Ms Preetha Doctoral Candidate, Department of Management Studies, Indian Institute of Technology, Madras	Consumer Insight Mining: Understanding New Media in Marketing	2/2/2012	”
107	Mr.Mrutyunjay M. Co-Founder , Juxt Consultancy	Scope of Market Research , Choosing a Career	13/2/2012	”
108	Ms. Maria L. Welbourne, Shakti Excellence Academy, Coimbatore	Cross-Cultural Adaptability	14/2/2012	”
109	Mr. Varadharajan Sasikumar, HR, Infosys, Bangalore	Career Opportunities at Infosys	23/2/2012	”
110	Mr. James Golsen, Principal Commercial Officer, US Consulate General, Chennai	Indo-US Business Relations	2/3/2012	”
111	Mr. RV. Balasubramaniam, Head-LTE, Reliance Retail, Mumbai	Kal Aaj Aur Kal: Transforming Customer Experience in the Reliance Way	8/3/2012	”
112	Mr. M.K.Chandrasekaran, CEO, Thought Works Pvt. Ltd.,	Ideas Vs Implementation	10/3/2012	”
113	Ms. Sonal Kapoor, Director, Protsahan India Foundation	The Journey of an Entrepreneur	16/3/2012	”
114	Br Shubhamrita Chaitanya	Understanding your strengths and boosting confidence	21/3/2012	”
115	Mr. M.K. Chandrasekhar, Director,	Marketing Unplugged	21/7/2012	”

	Thought Works Pvt. Ltd., Chennai				
116	Mr. K.M. Subhash Founder of Trinity Mobility, Bangalore	The Innovation State of Mind	23/7/2012	”	
117	Squadron Leader Unni Nair (Rtd)	Experience: The Joy of Life	27/7/2012	”	
118	Mr. Amit Agnihotri MBA Universe, New Delhi	MBA Education: A big shakeout & and road ahead	30/8/2012	”	
119	Mr. Vijaya Raghavan	Careers in Finance for MBA Grads	1/9/2012	”	
120	Ms. Madhuri Menon CEO, Amaya Management Consultants	HR – Future and Challenges	4/9/2012	”	
121	Dr. Ravichandra T, Manager-HR Operations, Avery Dennison	Change Management and Organizational Development Interventions	27/10/2012	”	
122	Mr. R.C. Suresh Director, RCS Group of Companies, Kuwait	Beyond success	8/11/2012	”	
123	Mr. Rajesh Nahar CEO-CBAZAAR.IN Net Avenue Technologies	Opportunities in E- Commerce	26/11/2012	”	
124	Mr. R.C. Suresh Director, RCS Group of Companies, Kuwait	Workshop on Entrepreneurship	26/11/2012	30	
125	Mr. PNSV Narasimhan Exe. Vice President, Chief People Officer, Microland	Workshop on Strategic HR Management and Industrial Relations	15/12/2012to 16/12/2012	10	
126	Mr. Matti Rajakyla, Olympic Swimmer, Finland	Quest for Success	18/1/2013	”	
127	Mr. Pravin Patkar, Founder,Prerana, Mumbai	Human Trafficking	13/3/2013	”	
128	Mr. Sriram Natatarajan, MD, Circor Flow Technologies India Pvt. Ltd., Coimbatore	General Management	17/6/2013	”	

45. List the teaching methods adopted by the faculty for different programmes.
We as a school focus a lot on experiential learning. Almost all the courses of the MBA programme have a focus on experiential learning. After completing the first year, MBA students are required to do an 8-week summer internship. Experiential learning is also provided through course assignments that address practical business issues – industry problems, survey of business practice, etc. Many courses follow a pedagogy mix that allows experiential learning. Techniques such as role plays,

debates, critical review of biographies and autobiographies of business leaders, live student projects that requires them to visit organizations, visits to and interactions with NGOs etc. are used to ensure experiential learning. Student managed cultural events and fora like UTSAV, PRAGATI & KALAKRUTI also ensure experiential learning of the different aspects of management. The overall development of students is achieved through Presentations, projects, colloquia, co-curricular activities, student projects etc.

Courses such as Self Awareness and Personal Growth, Managerial Values and Business Ethics, Environmental Management, Business Beyond Profit, and Entrepreneurship promote value education and community orientation. In addition, as mentioned earlier, the very foundation of the university has this undercurrent. We also pay a lot of importance to ensuring that our students are current in terms of exposure to Information Technology resources. All students must take two computer related courses: FIT and Excel VBA Programming; and Management Information System in the first year. In addition, the curriculum is designed to make our students tech savvy and to understand and appreciate the role of IT/IS in business today. The primary purpose of including programming concepts in the first year is to bring all the students to a common base in terms of their familiarity with the use of software for their curriculum. Courses like Financial Modelling require such computer skills. Many other courses require computer skills that use Microsoft Office – word, Excel, and PowerPoint; Solver, Evolver, MS project, SPSS and SAS. Some courses require access to the internet for more readings and for doing assignments.

The courses in the PhD programme aim at making the students aware about the history of the area under study as well as the natural progression of research in that area. We pay a lot of importance to Research Methodology which can be seen from the fact that there are three compulsory courses dedicated to Research Methodology. We want all of our doctoral students to demonstrate independent research capability before they are allowed to enter the Dissertation phase. In order to ensure that all the students are required to publish at least one paper in a peer reviewed journal or at least in the Amrita Working Paper series. Doctoral level seminars are arranged for doctoral students to give them exposure to practical aspects of doing research.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

All the faculty members teaching any course in the MBA or the PhD programme are required to submit a course outline along with all the course objectives to the PGP Office or the PhD office. The course outlines are vetted by the PGP and Doctoral Committee respectively to ensure that the course objectives listed are in line with the programme objectives. Every course receives a student feedback on the content as well as the teaching component of the course. The PGP and the Doctoral committees ensure that all the programme objectives are being constantly met.

47. Highlight the participation of students and faculty in extension activities.

- As a part of the village community outreach programme every weekend, visits by our student and faculty volunteers are made and activities in education are conducted for the children of the Ettimadai village. Over 70 children of the village benefit from this extension programme. Besides education, projects in improvement of infrastructure and health education

have also been taken up. As a result of these efforts over the last eight years, the drop out rates from schools among the children of the village has dropped significantly. A shed has been created with the money collected by our students for providing these weekend tuitions to the beneficiary students. The awareness about health and hygiene has gone up significantly among the village community. The selfless efforts by our students and faculty have inspired many community members to collaborate more amongst themselves in a spirit of togetherness and cooperation to deal with various issues facing the community.

- As part of the ASB Annual B-Fest, Pragati 2012, students had organized a blood donation camp with the support of Indian Medical Association, Coimbatore on Jan 23, 2012. The camp received a good response by the students, faculty and staff of the campus.

48. Give details of “beyond syllabus scholarly activities” of the department.

There are a number of “beyond syllabus scholarly activities” that take place at the school.

There is a forum called the ‘Colloquium’ which conducts a series of seminars under the guidance of a faculty member and managed almost completely by the students under faculty supervision. This seminar series has gained a great reputation among the members of the industry and academia with in the country as can be seen from the high quality profile of the speakers who come to address our students at these seminars (the list of Colloquium speakers has been provided in a table in response to the item number 44 of this document). All the students are required to attend these seminars and attendance is taken to ensure that. The speakers at these seminars are leading members of the industry, academia and other noted celebrities who share their experience and expertise with the students on different topics.

Many workshops and other intellectual events are organized by the CII-YI group for the benefit of our students and faculty members.

As a part of ‘PRAGATI’, the annual inter Business School competitions conducted by our school, many schools from all over South India come and compete in different events. All the management games related to different functional areas like Marketing, Finance, HR, Operations, Systems etc. are designed by different student forums. There is a student forum for each functional area. In order to develop these games, each of the forums have to apply their theoretical knowledge gained from the classroom sessions. These forums are also helped by the faculty members from each of the areas. Every year new games are designed thus giving invaluable practical knowledge and experience to our students in their respective disciplines.

Our students are encouraged to do research independently as well as in collaboration with the faculty members. They are encouraged to present papers at different fora like the B-School festivals, student conferences etc. Some students have written papers in collaboration with the faculty members.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

ASB, Coimbatore has applied for accreditation to the Association for Advancement of Collegiate Schools of Business (AACSB), the world’s leading accrediting agency

for Management schools in the year 2010. The process is still underway. We are expecting to get accreditation from AACSB by the year 2017.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Some of our faculty members have contributed to generation of new knowledge in the field of management. For example, in his Doctoral research published as a Book by LAP Lambert Academic Publishing House, Dr. Rajiv Prasad has shown that happiness with life has a favorable influence on leadership effectiveness of the organizational leaders which in turn produces happier and more effective work teams. This is a very important insight for modern organizations. Dr. Prasad intends to take his research forward and share more of his insights with the field.

Dr. Neerpal Rathi has shown the significant impact of emotional labour on various aspects of employee commitment & performance and hidden costs to the company. This is a very promising area of research in which Dr. Rathi is doing great pioneering work and gradually the field is beginning to take notice.

Prof. Shobhana Madhavan's text book on 'Cross Cultural Management: Concepts and Cases', Oxford University Press, New Delhi is a very important contribution to the consolidation of knowledge in this area. The book has been received very well as is evident by the fact that it was used as a textbook for a course on Cross Cultural Management at IM Bangalore. Oxford University Press has sought her permission to include some of the cases that she developed for this book in a separate Case Series being planned by them.

Dr. Rajiv Prasad, who has been teaching the 'Business Ethics' course in a very innovative manner at our school for the last seven years got an opportunity to share his unique insights into the teaching methodology of this very important course by being invited by Commonwealth of Learning to create the teaching material for their 'Business Ethics' course for the EMBA Programme managed by them in many commonwealth countries. This was a very prestigious international assignment which he completed successfully last year. During the process of developing this material, his work was being reviewed by experts from five countries thus allowing him to share his unique approach with academics from different countries. He plans to write more on effective pedagogy of this very important course in the near future.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

1. Amma's influence ensures orientation of faculty & staff towards higher human values and has led to the development of a passionate, committed and caring culture at our school
2. Strong interaction with industry and alumni and their support
3. Innovative curriculum – Many unique courses aimed at holistic development of students
4. Strong societal and community focus
5. Rich cultural life at the school helps students to develop an integrated personality and a number of soft managerial/leadership skills

Weaknesses:

1. Less brand visibility outside Coimbatore, and specially in the North

2. Very little faculty engagement with industry in terms of MDPs and consultancy assignments
3. Inward looking faculty preoccupied with regular teaching
4. Insufficient formalization of systems and processes
5. Less use of Information Technology to map the different processes at the school and make the decision making more systematic

Opportunities:

1. The School could be positioned as a leader in the environmental management and sustainability studies area
2. The school could be branded around our core value of service to the society
3. The school could easily expand its footprints in consulting given the excellent faculty quality and pedigree at the school
4. The School could start and run successful executive MBA programmes given its excellent faculty quality
5. More MDPS & FDPs could be conducted

Challenges:

1. Increasing popularity of online management courses could threaten the brick and mortar university model
2. Recruitment of more faculty members with suitable qualifications to tap the opportunities listed above
3. Newer and smaller IIMs with lesser cut-off marks for admissions could affect the student quality that the school gets adversely
4. To motivate the faculty members to be more outward looking
5. To encourage and motivate the faculty members to do more research

52. Future plans of the department.

We would like to enhance the visibility of our brand all over the country as well as abroad. In order to do so, we have decided to go for accreditation by AACSB, which is the gold standard as far as the accreditation of B-Schools is concerned. Only two schools in India are accredited so far by AACSB and a handful (8 to 10 schools) are in the pipeline. We are one of those ambitious schools. We plan to get this prestigious accreditation by the year 2017.

We would like to increase the contact of our faculty members with the industry by conducting more workshops/MDPs/Consultancy projects etc. To be able to do that, we would need to expand our faculty strength. We are planning to increase our faculty strength significantly over the next five years. We would also like at least 70% of our faculty members to be PhDs. Six of our current faculty members are pursuing a PhD. In the future, most of the faculty recruited by us would be PhDs from good institutes.

We would like to make extensive use of IT to make our processes more automated in order to meet the future requirements of meeting global standards in term of operational efficiency.

We would like to take the leadership position in the country in the area of environmental management and sustainability studies. To do so, we plan to introduce more courses in these areas in our curriculum as well as encourage our existing and new faculty members to do research in these areas. We would also look out for joint collaborations in these areas. For example, last year we had organized a very successful international conference in the area of sustainability in collaboration

with Deakin University.

We would like to increase our focus on service to the society by making these efforts more formal and structured. For example, right now we are considering ways and means of implementing compulsory 'social credits' in our curriculum to increase our service focus. We would like our students, staff and faculty to participate more actively in Amala Bhatatam campaign(Clean India campaign), various relief efforts organized by Amrita Trust, community outreach programmes etc.

We would like our faculty members to do more research than what they are doing currently. We would look at revising our Performance Management System to consider various incentives. Also, we have just started a 'Amrita Research Seminar Series' in July, 2013 as a part of which two research seminars are held every month. An external academic is invited every month while one of our faculty members or doctoral students gives the other seminar. Also, the university has made it mandatory to publish at least one peer reviewed paper every year to be considered for promotions. We hope that these initiatives would help us to increase our research output and quality.

Amrita School of Dentistry – Kochi

Evaluative Report of the Department

1. Name of the Department : Amrita School of Dentistry
2. Year of establishment : 2003
3. Is the Department part of a School/Faculty of the university? If so, specify.
Yes. Amrita Vishwa Vidyapeetham
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Programme Name	Programme Duration	Student Intake	Start Date
1.	Master of Dental Surgery (MDS)	3 Years	23	May 2010
2.	Bachelor of Dental Surgery (BDS)	4 Years + 1 Yr CRR	60	2003
3.	Diploma in Dental Mechanics	2 Years	10	2010

5. Interdisciplinary programmes and departments involved
NIL
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL
7. Details of programmes discontinued, if any, with reasons
NIL
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Annual
9. Participation of the department in the courses offered by other departments
Yes – MBBS
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Actual
Professor	19	19
Associate Professors	13	13
Asst. Professors	11	11

	Sanctioned	Actual
Professor	19	19
Others (Tutors)	5	5

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of MDS students guided for the last 4 years
Dr. K. Narayanan Unni	MDS	Principal & Professor	Conservative Dentistry & Endodontics	26	2
Dr. Sapna. C.M.	MDS	Reader	-- do --	10.5	4
Dr. Prabhath Singh VP	MDS	Reader	-- do --	8.5	2
Dr. Priya. R.	MDS	Reader	-- do --	4.6	1
Dr. Preethee Thomas	MDS	Asst. Prof.	-- do --	2.6	0
Dr. Rakesh R. Rajan	MDS	Asst. Prof.	-- do --	1.7	0
Dr. Deepthy. S.	BDS	Lecturer	--	6.2	0
Dr. Ravi. V.	MDS	Professor	Oral & Maxillo-facial Surgery	12.4	4
Dr. Ushass. P	MDS	Reader	-- do --	10.6	4
Dr. Latha P. Rao	MDS	Reader	-- do --	10.4	0
Dr. Sherry Peter	MDS	Reader	-- do --	9.1	0
Dr. Mathew O. Mampilly	MDS	Asst. Prof.	-- do --	2.3	0
Dr. Vidya. K.	BDS	Lecturer	--	9.5	0
Dr. Seema Kurup	MDS	Professor	-- do --	10.5	2
Dr. Renju Jose	MDS	Asst. Prof.	-- do --	4.3	1
Dr. Marina Lazar Chandy	MDS	Asst. Prof.	-- do --	1.5	0
Dr. Rakesh. S.	MDS	Professor	-- do --	10.8	2
Dr. Mahija. J.	MDS	Reader	-- do --	9.2	2
Dr. Vindhya Savithri	MDS	Reader	-- do --	7.6	0
Dr. Prem Anand. P.	MDS	Asst. Prof.	-- do --	0.5	0
Dr. Sapna Varma. N.K.	MDS	Professor	Orthodontics & Dentofacial Orthopedics	12.6	

Dr. Ajith. V.V.	MDS	Professor	-- do --	11.4	
Dr. Janardhanan. K.	MDS	Professor	-- do --	9.7	
Dr. Maria John Kuriakose	MDS	Reader	-- do --	8.6	
Dr. Biju Kalarickal	MDS	Reader	-- do --	7.7	
Dr. Namitha Ramesh	MDS	Asst. Prof.	-- do --	4.2	
Dr. Rahul. D.P.	MDS	Asst. Prof.	-- do --	1	
Dr. Balagopal Varma. R	MDS	Professor	Pedodontics & Preventive Dentistry	17.3	
Dr. Anjana. G.	MDS	Professor	-- do --	11.5	
Dr. Parvathy Kumaran	MDS	Reader	-- do --	4.7	
Dr. Arun Mamachan Xavier	MDS	Asst. Prof.	-- do --	2.6	
Dr. P. Jayachandran	MDS	Professor	Periodontology	17.2	
Dr. Angel Fenol	MDS	Professor	-- do --	9.7	
Dr. Rajesh Vyloppillil	MDS	Reader	-- do --	9.2	
Dr. Anuradha Bhaskar	MDS	Asst. Prof.	-- do --	4.6	
Dr. Sai Megha Menon	MDS	Asst. Prof.	-- do --	0.2	
Dr. Minu John	BDS	Tutor	--	2.3	
Dr. Anil Mathew	MDS	Professor	Prosthodontics and Crown & Bridge	17.3	
Dr. Vinod Krishnan	MDS	Professor	-- do --	13.4	
Dr. Manju. V.	MDS	Professor	-- do --	8.8	
Dr. Tony Thomas. C.	MDS	Reader	-- do --	8.9	
Dr. Aswini Kumar	MDS	Reader	-- do --	4.3	
Dr. Jaini. J.L.	MDS	Asst. Prof.	-- do --	0.2	
Dr. Joe Joseph	MDS	Professor	Public Health Dentistry	13.2	
Dr. Chandrashekar. J.	MDS	Professor	-- do --	12.1	
Dr. Shamaz Mohamed	MDS	Asst. Prof.	-- do --	3.10	
Dr. S. Vijay Kumar	MDS	Asst. Prof.	-- do --	2.1	

Dr. Sajay Narayan	BDS	Lecturer	--	7.3	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors
Note: Please provide details of date of appointment, courses taught, research projects executed, and any other contribution from the same. If the faculty are no longer with Amrita, mention the exit date. Provide in tabular form.

N/A. According to the DCI specification, temporary faculty are not allowed. Hence we have full time faculty only.

13. Percentage of classes taken by temporary faculty – programme-wise information

According to the DCI specification, temporary faculty are not allowed. Hence we have full time faculty only.

14. Programme-wise Student Teacher Ratio

BDS : 5:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, and actual

Designation	Sanctioned	Actual
Administrative staff	6	6
PRA's	4	4
Secretary	2	2
Technicians	9	9
Nursing staff	14	14
Dental Hygienists	3	3
Library staff	4	4
Lab Assistants	11	11
Chair side Assistants	6	6
Office Attenders	5	5

16. Research thrust areas as recognized by major funding agencies

NIL

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

NIL

18. Inter-institutional collaborative projects and associated grants received

h) National collaboration b) International collaboration

NIL

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

NIL

20. Research facility / centre with

- state recognition
- national recognition
- international recognition

NIL

21. Special research laboratories sponsored by / created by industry or corporate bodies

N/A

22. Publications: Attached.

- * Number of papers published in peer reviewed journals (national / international)
- * Monographs
- * Chapters in Books
- * Edited Books
- * Books with ISBN with details of publishers
- * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- * Citation Index – range / average
- * SNIP
- * SJR
- * Impact Factor – range / average
- * h-index

Also, fill out information in the table below.

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2012-13	International Journal	1.	Title of the Paper: Mandibular implant supported over denture : An in-vitro comparison of ball, bar & magnet attachment Authors: Dr. Manju. V. Name of the Journal: Journal of Oral Implantology	

			Month and Year of Publication: Sept. 2012 Volume No. XII:2 Page No. 1-6	
		2.	Title of the Paper: The total anti oxidant capacity of infant feeds at various handling temperature – A comparative study Authors: Dr. Arun. M.X. Name of the Journal: Oxid Antioxid Medical Sciences Month and Year of Publication: 2013 Volume No. 2 (2) Page No. 107-112	
	National Journal	1.	Title of the Paper: Preliminary impression in microstomia patients – an innovation technique Authors: Dr. Aswini Kumar Name of the Journal: Journal of Indian Prosthodontic Society Month and Year of Publication: Volume No. Page No.	

		2.	Title of the Paper: Evolution in dental implantology Authors: Dr. Liji Mathew Name of the Journal: Journal of Indian Prosthodontic Society Month and Year of Publication: Feb. 2013 Volume No. Page No.	
		3.	Title of the Paper: Radiological Evaluation of temporomandibular and hand / wrist joint of patients with adult rheumatoid arthritis Authors: Dr. Seema Kurup & Dr. Renju Jose Name of the Journal: Dental Research Journal Month and Year of Publication: 2012 Volume No. : Suppl.1 Page No.	
		4	Title of the Paper: Papillon Lefevre Syndrome – a case presentation Authors: Dr. Renju Jose Name of the Journal: JSIPK Month and Year of Publication: 2013 Volume No. : 6, Issue 2 Page No.	
		5	Title of the Paper: Management of peri-implanitis Authors: Dr. P. Jayachandran Name of the Journal: Dental Research Journal Month and Year of Publication: 2013 Volume No. :	

			Page No.	
		6	Title of the Paper: Modified over denture design for prosthetic rehabilitation of edentulous mandible – A case report Authors: Dr. Anil Mathew & Dr. Liji Mathew Name of the Journal: Kerala Dental Journal Month and Year of Publication: Oct. 2012 Volume No. : Page No.	
	National Conference (Proceedings)	1.	Title of the Paper: Facial Dysmorphism and Syndromes associated with it Authors: Dr. Balagopal Varma Name of the Conference: 24th Conference of Indian Association of Pediatric Dentistry Duration of the Conference: 12-15th June 2013 Name of the Organizer: Indian Association of Pediatric Dentistry Conference Venue: Seoul, Korea Page No: 34	

Year	Type of Publication	Publication Details	Average citation index and impact factor of publications
2011	Journal	Title of the Paper: A rare case of dentigerous cyst in a one year old child: The earliest known reported occurrence Authors: Rakesh, Mahija Janardhanan, Anna P. Joseph. Name of the Journal: Head and Neck Pathology Month and Year of Publication: 2011	

		Volume No.5, P.171-174	
2012	Journal	Title of the Paper: Analysis of mast cell counts in oral leukoplakia Authors: S. Rakesh, M. Vidya, Mahija Janardhanan Name of the Journal: Oral and Maxillofacial Pathology Month and Year of Publication: Jan – June 2012 Volume No. 3, P. 181-184	
2012	Journal	Title of the Paper: Clinical attachment level gain and bone regeneration around a glass ionomer restoration on root surface wall of periodontal pocket. Authors: K.R. Biniraj, Mohammed Sagir, M.M.Sunil Name of the Journal: Indian Society of Periodontology Month and Year of Publication: Jul-Sep 2012 Volume No. 16, P. 442-445	
2011	Journal	Title of the Paper: Neonatal line as a linear evidence of live birth: Estimation of postnatal survival of a new born from primary tooth germs. Authors: Mahija Janardhanan, B Umadethan, K.R. Biniraj. Name of the Journal: Forensic Dental Sciences Month and Year of Publication: Jan-June 2011 Volume No. 3, P.14-19	
2011	Journal	Title of the Paper: Intraoral presentation of multiple malignant peripheral nerve sheath tumors associated with neurofibromatosis-1 Authors: Mahija Janardhanan, Rakesh S., Vinod Kumar R B. Name of the Journal: Oral & Maxillofacial Pathology Month and Year of Publication: Jan-Apr 2011 Volume No. 15, P. 46-51	
2011	Journal	Title of the Paper: Reducing the pink white ratio for better aesthetics – A Perio-Restorative treatment approach to manage gummy smile of periodontally compromised teeth Authors: Biniraj K R, Mohammed Sagir, Thankaraj V T R. Name of the Journal: Clinical Dental Science Month and Year of Publication: May 2011 Volume No. 2(2), P. 5-9	
2011	Journal	Title of the Paper: Enzymes of diagnostic relevance Authors: P Jayachandran	

		Name of the Journal: JSPIK Month and Year of Publication: December 2011 Volume No.5, P. 58-61	
2012	Journal	Title of the Paper: Lipoxins – The “stop signals” for pmn trafficking Authors: Rajesh Vylloppillil, Sai megha Menon, Anjana Krishnakumar Name of the Journal:JSPIK Month and Year of Publication: August 2012 Volume No. 6, P. 7-9	
2011	Journal	Title of the Paper: Effectiveness of Tele-guided interceptive prosthodontic treatment in rural India: A comparative pilot study Authors: Arun Keeppanasserril, Anil Mathew, Sapna Muddappa Name of the Journal: Online Journal of Public Health Informatics Month and Year of Publication: 2011 Volume No. 3	
2011	Journal	Title of the Paper: Enhancing implant surface topography using nanotechnology Authors: Anil Mathew, Liji Mathew Name of the Journal: KDJ Month and Year of Publication: October 2011 Volume No. 34, P. 405-407	
2012	Journal	Title of the Paper: Mandibular Implant- Supported Overdenture: An In Vitro Comparison of Ball, Bar, and Magnetic Attachments Authors: V Manju, T Sreelal Name of the Journal: Journal of Oral Implantology Month and Year of Publication: Sept 2012 Volume No. 12, P. 1-6	

2011	Journal	Title of the Paper: Fabrication of silicon auricular prosthesis Authors: Manju V, Anil Mathew, Vinod P Nair Name of the Journal: KDJ Month and Year of Publication: April 2010 Volume No. 33, P. 92-93	
2011	Journal	Title of the Paper: Effectiveness of Tele-guided Interceptive Prosthodontic treatment in rural India: A comparative pilot study Authors: Arun Keeppanasserril, Anil Mathew, Sapna Muddappa Name of the Journal: Online Journal of Public Health Informatics Month and Year of Publication: 2011 Volume No. 3 Page No.	

2011	Journal	Title of the Paper: Evaluation, using extracted human teeth, of ricetral as a storage medium for avulsions – an <i>in vitro</i> study Authors: Priya Rajendran, Nettiyyat Oommen Varghese, Jolly Mary Varughese Name of the Journal: Dental Traumatology Month and Year of Publication: 2011 Volume No. 27, P. 217-220	
2012	Journal	Title of the Paper: Bactericidal effect of the 908 nm laser on Enterococcus faecalis in infected root canals Authors: Thomas Preethee, Deivanayagam Kandaswamy, Ganesh Arathi Name of the Journal: Journal of Conservative Dentistry Month and Year of Publication: Jan-Mar 2012 Volume No. Vol 15, P. 46-50	
2012	Journal	Title of the Paper: Molecular identification of an Enterococcus faecalis endocarditis antigen efaA in root canals of therapy-restraint endodontic infections Authors: Thomas Preethee, Deivanayagam Kandaswami, Rosaline Hannah Name of the Journal: Journal of Conservative Dentistry Month and Year of Publication: 2012 Volume No. 15, P. 319-222	
2011	Journal	Title of the Paper: Elusive Canals in Endodontics Authors: Rakesh Rajan R, Senthil Kumar, Mohan Kumar NS Name of the Journal: JIADS Month and Year of Publication: April-June 2011 Volume No. 2, P. 37-42	
2011	Journal	Title of the Paper: Addressing Tobacco Control In Dental Practise: A Survey of Dentists' Knowledge, Attitudes and Behaviours in India Authors: Janakiram Chandrashekar, B C Manjunath, Madhu Unnikrishnan Name of the Journal: Oral Health & Preventive Dentistry Month and Year of Publication: 2011 Volume No, P. 1-7	
2012	Journal	Title of the Paper: Mandibular conservation in oral cancer Authors: Latha P Rao, Mridula Shukla, Vinay Sharma Name of the Journal: Surgical Oncology Month and Year of Publication: 2012	

		Volume No. 21, P. 109-118	
2012	Journal	Title of the Paper: Vertebral metastases from oral squamous cell carcinoma of the buccal mucosa Authors: Latha P Rao, Seema Singh, Mridula Shukla Name of the Journal: World Journal of Surgical, Medical Radiation Oncology Month and Year of Publication: June 2012 Volume No. 1, P. 53-59	
2011	Journal	Title of the Paper: Management of a Dentigerous Cyst – A two year review Authors: Anjana G, Balagopal Varma, Ushus P Name of the Journal: International Journal of Clinical Pediatric Dentistry Month and Year of Publication: May-August 2011 Volume No. 4, P. 147-151	
2012	Journal	Title of the Paper: Amelogenesis imperfecta: A clinician's challenge Authors: Chmarthi V, Varma B R, Jayanthi M Name of the Journal: Journal of Indian Society of Pedodontics and Preventive Dentistry Month and Year of Publication: Jan-Mar 2012 Volume No. 30, P. 70-72	
2011	Journal	Title of the Paper: Hereditary Oro-facial Digital Syndrome Type 1: Diagnosis and Management – case report Authors: Arun M Xavier, Kavita Rai, Amitha M Hegde Name of the Journal: European Journal of Dentistry and Medicine Month and Year of Publication: 2011 Volume No., P. 1-7	
2012	Journal	Title of the Paper: Preventative protocols and management of oral pathologies in chronic kidney disease: an update Authors: Arun M Xavier, Kavita Rai, Amitha M Hegde Name of the Journal: Biological and Biomedical Reports Month and Year of Publication: 2012 Volume No. 2, P. 1-9	
2011	Journal	Title of the Paper: Management of a talon cusp using mineral trioxide aggregate Authors: P Shetty, A M Xavier Name of the Journal: International Endodontic Journal Month and Year of Publication: 2011 Volume No. 44, P. 1061-1068	

23. Details of patents and income generated : NIL

24. Areas of consultancy and income generated

Treatment charges from speciality clinics and faculty practice.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Note: Provide tabular data, with faculty name, designation, name of outside institution, dates, theme of visit, and outcomes

NIL

26. Faculty serving in

m) National committees b) International committees c) Editorial Boards d) any other (please specify)

1. Dr. Vinod Krishnan, Professor, Dept. of Prosthodontics, is a member in the curriculum committee of Indira Gandhi National Open University (IGNOU).

a. Dr. Balagopal Varma, Professor & HOD, Dept. of Paedodontics and Preventive

Dentistry, is an editorial board member of Journal of Indian Pediatric Dentistry. He is also an editorial board member of Jaypee's International Journal of Pediatric Dentistry.

b. Dr. Balagopal Varma, Professor & HOD, Dept. of Pediatric Dentistry is a

member of Royal Australian College of Dental Surgery (MRACD) in special field of Pediatric Dentistry.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions**

S. No.	School Name	Department Name	Programme Name	Dates: (DD/MM/Y Y to DD/MM/Y Y)	# Attendees	Location / Venue
1	Amrita School of Dentistry	Amrita School of Dentistry	Teachers Training Programme	07-12-2010	42	Amrita School of Dentistry
2	-- do --	Dept. of Medical Education	Teacher Training Workshop	16-03 to 20-03-2009	12	AIMS
3	-- do --	Conservative Dentistry	CDE programme on Trauma to teeth and	29-03-2011	100	AIMS

			management			
4	--do--	Public Health Dentistry	SPSS in dental research and sample size calculation	12 & 13 th Feb. 2011	75	Amrita School of Dentistry

**Attach separate list of faculty names, designations, and department/school names.

Participation of Amrita Faculty in Faculty Development Programmes conducted **by Other Institutions**

S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants
1	Jawaharlal Inst. Of Post Graduate Medical Education	Puducherry	National course on Educational science for health professionals	17 th to 27 th Feb. 2010	1

***Attach separate list of faculty names, designations, and department/school names.

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects : 25% (All final year students).
- percentage of students doing projects in collaboration with other universities / industry / institute

Note: Department must maintain records of the projects.

29. Awards / recognitions received at the national and international level by

- Faculty

2009

Name of the School	Faculty	Award
Amrita School of Dentistry	Dr. Angel Fenol	Best paper award – SPIK 2009
	Dr. Chandrashekar.J	Resource person for “Ethics in Clinical Research” for pre-conference course in clinical research ACBI Cochin India.
	Dr. Chandrashekar.J	Resource person for Informed Consent Process of National Workshop of Ethics in Dental Research by Indian society of Dental Research Chennai India.
	Dr. Chandrashekar.J	Invited Chair session on “Current Topics in Oral Epidemiology” 86 th General assembly of International Academy of Dental Research in Miami USA.

	Dr. Chandrashekar.J	Invited to attend ICMR-NIH USA Training Program Concluding week on Bioethics held in Shillong India.
	Dr. Chandrashekar.J	Invited to attend ICMR-NIH USA Training Program on Bioethics held in Bangalore India.
	Dr. Vinod Krishnan	Invited speaker for “Crown& Bridge failure” CDE programme.
	Dr. Vinod Krishnan	Selected as 37 th I.P.S Conference Organizing Secretary
	Dr. Manju V.	Invited speaker for National Workshop on “Implant supported Auricular Prosthesis” at 37 th IPS Conference
	Dr. Manju V	
	Dr. Manju V.	Invited speaker for National Workshop on “Craniofacial Implants” at 34 th National Conference of AOMSI, Kochi
	Dr. Vinod Krishnan	Invited speaker for Seminar on “Principles of Osseo-Integration” at APSI and Ethicon Institute of Surgical Education CME programme.
	Dr. Manju V.	
	Dr. Manju V.	Invited faculty of Certificate course on “Implantology” at Indian Dental Education Academy, Chennai.
	Dr. Manju V.	Invited speaker for National Workshop on “Recent Trends in Maxillofacial Prosthesis” at AIMS
	Dr. Manju V.	Invited Guest speaker on “Maxillofacial Prosthesis” at KDA, Nedumbassery
	Dr. Tony Thomas	Invited Speaker on Osseo-Integrated Prosthesis , 9 th annual meeting of Head & Neck Oncology
	Dr. Tony Thomas	Invited Speaker on Osseo-Integrated Prosthesis on National Research Day seminar of Indian Head & Neck Cancer Congress
	Dr. Anil Mathew	Invited Chairperson for Scientific sessions, 37 th IPS National Conference, Thrissur
	Dr. Anil Mathew	

Dr. Anil Mathew	Selected as Treasurer, 37 th IPS National Conference, Thrissur
Dr. Arun K.	Invited as Chairperson for Scientific sessions, 37 th IPS National Conference, Thrissur
Dr. Arun K.	Selected as Secretary for DISK(Dental Implant society of Kerala)
Dr. Prabath Singh Dr. Priya R	Selected as C.D.E Convener, IDA, Nedumbassery, 2009
Dr. Baby James Dr. Sapna C.M. Dr. Prabath Singh Dr. Priya R	Invited as Keynote presenter on “Prosthodontics sans Barriers”, 37 th IPS Conference, Thrissur.
Dr. Baby James Dr. Priya R	Invited as Chairperson for Scientific sessions, IADR Conference MIAMI.
Dr. Baby James Dr. Sapna C.M.	Organising Committee members for 2 nd National Conference I.S.P.R.P
Dr. Baby James	Organising Committee members for 24 th F.O.D.I & 17 th IES National Conference
Dr. Baby James	President Elect of CAESOK, 2008 & Treasurer of CAESOK, 2008-09
Dr. Baby James Dr. Sapna C.M. Dr. Prabath Singh	Moderator for Scientific sessions on 24 th F.O.D.I & 17 th IES National Conference
Dr. M Alexander	Invited Chairperson for Scientific sessions, CAESOK Annual state conference.
Dr. Sherry Peter – Co-chairman – Scientific Committee. Dr. Ravi, Dr. Ushass P., Dr. Latha P.Rao, Dr. Sathish M. S. Members, Scientific Commtee. Dr. Sherry Peter –	Invited Chairperson for Scientific sessions, IDA Annual state conference.
	Invited Chairperson for Scientific sessions, 2 nd national conference of ISPRP
	Invited Chairperson for Scientific sessions, 24 th F.O.D.I & 17 th IES National Conference
	Invited Chairperson for Scientific Session, 20 th National Conference of Indian Academy of Oral Medicine and Radiology

	Co-chairman – Scientific Committee. Dr. Ravi V, Dr. Ushass P., Dr. Latha P. Rao, Dr. Sathish M. S. Members, Scientific Committee. Dr. Ravi V. Dr. Ravi V. Dr. Ravi V. Dr. Ushass P. Dr. Latha P. Rao	Invited to Attended the 34th Annual Conference of Association of Oral & Maxillofacial Surgeons of India and 1st Joint Meeting with British Association of Oral & Maxillofacial Surgeons 1. Pre- conference courses organised in conjunction with the 34th Annual AOMSI Conference - Basic life support - Advanced life support - Rhinoplasty techniques - Craniofacial Implants - Bone transport by distraction osteogenesis - Orthognathic surgery planning - Role of navigation in maxillofacial surgery - Branemark Zygoma implant course - Skin rejuvenation / face lifts / Brow lifts/ Blepharoplasty / Botox / Fillers - Basic surgical skills - Distraction osteogenesis to correct facial deformity - Advances in Craniomaxillofacial Trauma, Access & safe management of orbital trauma, Approaches to craniomaxillofacial skeleton - Local and regional flaps in head and neck reconstruction 2. 9th Annual Meeting of the Foundation for Head and Neck Oncology, 3. 5th Amrita Comprehensive Head and Neck Oncology Teaching Program – Current Concepts in Head and Neck Oncology. 4. BLS course for interns Invited speaker on “Intra-operative navigation tool for surgical precision”, 34th Annual Conference of Association of Oral & Maxillofacial Surgeons of India and 1st Joint Meeting with British Association of Oral & Maxillofacial Surgeons. Invited speaker on “Naso-alveolar moulding: a useful adjunct to cleft surgery” 34th Annual Conference of Association of Oral &

	Dr. Sathish MS	Maxillofacial Surgeons of India and 1st Joint Meeting with British Association of Oral & Maxillofacial Surgeons. Invited speaker on Rapid Prototyping in Craniofacial Implantology, 15th National Conference of Indian Society of Oral inplantologists. Invited speaker on “Applications of rapid prototyping in craniofacial reconstruction, 34th Annual Conference of Association of Oral & Maxillofacial Surgeons of India and 1st Joint Meeting with British Association of Oral & Maxillofacial Surgeons.
	Dr. Ravi V.	Selected as Executive Committee member, AOMSI.
	Dr. Ushass P.	Invited speaker on Distraction osteogenesis in the treatment of Hemi facial Microsomia & The versatility of the tongue flap in the closure of palatal fistulae, 34th Annual Conference of Association of Oral & Maxillofacial Surgeons of India and 1st Joint Meeting with British Association of Oral & Maxillofacial Surgeons.
	Dr. Latha P. Rao	Invited chairperson for the 34th Annual Conference of Association of Oral & Maxillofacial Surgeons of India and 1st Joint Meeting with British Association of Oral & Maxillofacial Surgeons.
	Dr. Sathish M. S.	Invited chairperson for the 34th Annual Conference of Association of Oral & Maxillofacial Surgeons of India and 1st Joint Meeting with British Association of Oral & Maxillofacial Surgeons. Invited chairperson for the 34th Annual Conference of Association of Oral & Maxillofacial Surgeons of India and 1st Joint Meeting with British Association of Oral & Maxillofacial Surgeons. Invited chairperson for the 34th Annual Conference of Association of Oral & Maxillofacial Surgeons of India and 1st Joint Meeting with British Association of Oral & Maxillofacial Surgeons.

		Invited chairperson for the 34 th Annual Conference of Association of Oral & Maxillofacial Surgeons of India and 1 st Joint Meeting with British Association of Oral & Maxillofacial Surgeons.

Name of the School	Faculty	Award
Amrita School of Dentistry	Dr. Mahija Janardhanan	Won best paper award at National conference of Forensic odontology, Chennai – April 2010
	Dr. Tina Elizabeth	Won best paper award at National conference of Forensic odontology, Chennai – April 2010
	Dr. Rakesh. S.	Invited as Guest speaker for IDA held at Kottayam and Alleppy 2010
	Dr. Vinod Krishnan	Selected as Organazing Secretary for the National conference on Prosthodontics held at Thrissur in Nov. 2009
	Dr. Tony Thomas	Selected as Treasurer for the National conference on Prosthodontics held at Thrissur in Nov. 2009
	Dr. Pramod John	Invited as guest lecturer at Al Azhar Dental College in May 2010

Name of the School	Faculty	Award
Amrita School of Dentistry	Dr. Baby James	Was installed as president of Conservative Dentistry & Endodontics Society of Kerala (CAESOK) for the term 2010 -12
	Dr. Baby James & Dr. Sapna. C.M.	Chaired scientific presentation sessions - 25 th FODI & 18 th IES National conference – Chennai – 19-21 Dec 2010
	Dr. Baby James	Chaired scientific presentation session - 9 th mid-term conference and PG convention of CAESOK – KMCT Dental College, Mukkom – 14-15 May 2011
	Dr. Ravi. V. &	Were the chairpersons for scientific

	Dr. Ushass. P.	sessions for the 35 th Annual Conference of AOMSI, Coimbatore, December 2010.
	Dr. Rakesh. S.	Delivered 2 guest lectures: ‘Oral Ulcers’ at IDA Alappuzha branch in June 2010, and ‘Suspicious Oral Lesions’ at IDA Kottayam branch in August 2010.
	Dr. Sapna Varma	Judge for Poster presentation at the Indian Orthodontic Society National conference held at Mangalore in December 2010
	Dr. Ajith. V.V.	Judge for Poster presentation at the Indian Orthodontic Society National conference held at Mangalore in December 2010
	Dr. K. Janardhanan	Was the guest speaker of “Thrissur Diabetic Club” Mar 2011. Judge for scientific presentations Poster presentation at the Indian Orthodontic Society National conference held at Mangalore in December 2010 Chairperson for scientific presentations on “cognathics” – Ortho Oral Surgery surgical workshop held in Feb. 2011 at Coorg.

2012

S. No.	Name and Designation of the Staff member	Name of the Award / Recognition received	Name of the Agency	Month & Year of receiving the award / recognition
1	Dr. Ravi V, Professor	Second Prize in implantology section.	20th International Conference of Oral and Maxillofacial Surgeons, Santiago, Chile	November 2011
2	Dr. Ushass P, Asst. Professor	Appointed as DCI inspector	Dental Council of India	January 2012
3	Dr. Baby James, Professor	Selected as President	CAESOK	2010-12
4	Dr. Baby James, Professor	Chairperson of scientific session	9th Mid-term conference of CAESOK	May 2011
5	Dr. Janardhanan	Chairperson for scientific paper	Ortho oral surgery surgical workshop, Coorg	February 2011
6	Dr. Janardhanan	Judge for scientific	IOS PG students	March 2011

		papers	convention, Manali	
7	Dr. Janardhanan	Judge for scientific session	IOS PG students convention, Chennai	June 2011
8	Dr. Priya R.	Won the 1st prize in scientific presentation for the paper “Close up! Management of midline diastema”	44th Kerala State Dental Conference – Thiruvananthapuram	Jan 2012

- Doctoral / post doctoral fellows : N.A.

- b) **Dr. Sreedevi** won the 1st prize in poster presentation for the poster “BAG in Endodontics-is it the future?” at the 25th FODI & 18th IES National conference – Chennai – 19-21 Dec 2010
- c) **Dr. Sreedevi** won the 2nd prize in scientific presentation for the paper “Guided tissue remineralization-a review” at the 9th mid-term conference and PG convention of CAESOK, KMCT Dental College, Mukkom – 14-15 May 2011.
- d) **Dr. Liji Mathew**, won the best paper award for the paper titled “variations for predictable osseointegration” in the IPS conference held in Indore in Nov. 2010.
- e) **Dr. Liji Mathew**, won the best paper award for the paper titled “Dental Implant failures – Clinical and Microbiological aspects” in the 13th PG convention held at Lucknow in June 2011.
- f) **Dr. Ipe Sabu**, won the best poster award on “Prosthetic appliance for sealed source Radiotherapy” in the IPS, Indore in Nov. 2010.
- g) **Dr. Ipe Sabu**, won the best paper award in the 13th PG convention held at Lucknow in June 2011 for the paper titled “Postural evaluation as a diagnostic aid for assessing improvement in Temporomandibular Disorder patients after treating with occlusal splints - a literature review”.

Students

- h) **Sajima Sajeev**, BDS student won 1st prize for essay competition on recent advances in anchorage concepts at Satyabhama University.

Note: Provide in list format. Supporting documentation must be maintained in department.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S. No.	Name of the Seminar / Workshop organized by the	Dates: (DD/MM/YY to DD/MM/YY)	No. of participants	Source of funding	Outcome

	Department				
1.	“Trauma to teeth and its Management” / Conservative Dentistry	29-03-2011	100	Self	Successful
2.	“Current concepts in post endodontic restorations” / Conservative Dentistry	28-07-2011	75	Self	Successful
3.	“Smile India Smile” ceramic duo restorative / Conservative Dentistry	11-08-2011	75	Self	Successful
3.	2 nd inter-collegiate tale-clinical society meeting / Conservative Dentistry	2012	200	Self	Successful
4.	10 th midterm conference & 2 nd PG convention of CAESOK / Conservative Dentistry	14-07-2012	200	Registration & sponsorship	Successful
5.	Lasers in Dentistry / Conservative Dentistry	2013	80	Self	Successful
6.	2 nd annual meeting of Association of Pediatric & Preventive Dentists of Kerala / Paedodontics	26-07-2009	250	Registration & sponsorship	Successful
7.	SPIK midterm conference / Periodontology	13-11-2011	150	Registration & sponsorship	Successful
8.	CDE on “New concepts on Oral Biofilms” / Periodontology	02-09-2013	65	Self	Successful
9.	Midterm conference –	Oct. 2008	175	Registration &	Successful

	Munnar Scientific Society / OMFS			sponsorship	
10.	“Osteomould 2010” – Workshop / OMFS	June 2010	40	Registration & sponsorship	Successful
11.	National conference “British Oral Maxillofacial Surgery / OMFS	Dec. 2010	300	Registration & sponsorship	Successful
12.	Video conference with SRMC dental hospital, Chennai / OMFS	21-09-2012	17	Self	Successful
13.	“Traumas 2013” 5 day programme of comprehensive trauma management / OMFS	16-07-2013	25	Registration & sponsorship	Successful
14.	CDE on “Obstructive sleep – Apnea – Orthodontics Management / Orthodontics	08-04-2013	80	Self	Successful
15.	SPSS in dental research & sample size calculation / Public Health Dentistry	12 & 13-02-2011	35	Registration & sponsorship	Successful
16.	3 rd State meeting of Kairali Society of Oral & Maxillofacial Pathologists / Oral Pathology	Aug. 2008	150	Registration & sponsorship	Successful
17.	6 th State meeting of Kairali Society of Oral & Maxillofacial Pathologists / Oral Pathology	Aug. 2011	125	Registration & sponsorship	Successful

31. Code of ethics for research followed by the departments

We have a central research ethic committee at AIMS. All the research activities are done under their guidance.

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MDS		9	14		
BDS		3	57		

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MDS	25%	60%	15%	0
BDS	0	80%	20%	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.
For students with admission status active during the report period: N/A.

35. Student progression

Student progression	Percentage against enrolled
UG to PG	98%
PG to M.Phil.	N.A.
PG to Ph.D.	N.A.
Ph.D. to Post-Doctoral	N.A.
Employed	N.A.
• Campus selection • Other than campus recruitment	
Entrepreneurs	N.A.

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	2%
from other universities within the State	20%
from universities from other States	78%
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period.

S. No.	Name of faculty	Name of Advanced Degree (include specialization)	Month & Year of Passing
1.	Dr. Chandrashekar J.	Ph.D.	February 2012

38. Present details of departmental infrastructural facilities with regard to

- a) Library : Yes
 - b) Internet facilities for staff and students : Yes
 - c) Total number of class rooms : Four
 - d) Class rooms with ICT facility : Four
 - e) Students' laboratories : Four
 - f) Research laboratories : N.A.
39. List of doctoral, post-doctoral students and Research Associates : We have only MDS course, the list of students and research topics are attached.
40. Number of post graduate students getting financial assistance from the university.
NIL
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.
- Yes.
42. Does the department obtain feedback from
- z. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
- Yes. The feedback was considered during curriculum planning.
- aa. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
- Yes. The feedback was considered during curriculum planning
- bb. alumni and employers on the programmes offered and how does the department utilize the feedback?
- Yes. The feedback was considered during curriculum planning.
43. List the distinguished alumni of the department (maximum 10)
- a. Dr. Praveen P.A.
 - b. Dr. Ninan Philipose
 - c. Dr. Gopi Krishnan
 - d. Dr. Sai Megha Menon
 - e. Dr. Liji Mathew
 - f. Dr. Anju Mohan
 - g. Dr. Sumsum P. Sunny
 - h. Dr. Aparna Ashok
 - i. Dr. Anju Mary John
 - j. Dr. Siddhi Mudrika
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S. No.	Name of Expert Resource	Topic	Date	Number of participants
1	Dr. Arun Kulanthavelu	Lasers in Dentistry / Conservative Dentistry	2013	150
2	Dr. Sai Megha Menon	CDE on “New concepts on Oral Biofilms” / Periodontology	02-09-13	50
3	Dr. Sherry Peter / Dr. Pramod Subash	“Traumas 2013” 5 day programme of comprehensive trauma management	16-07-13	25
4	Col. Dr. B. Jayant, AIIMS, Delhi	CDE on “Obstructive sleep – Apnea – Orthodontics Management / Orthodontics	08-04-13	130
5	Faculty of Sri Ramachandra Medical College	Video conference with SRMC dental hospital, Chennai / OMFS	21-09-12	20
6	Dr. Chandrashekar	SPSS in dental research & sample size calculation / Public Health Dentistry	12 & 13-02-11	40
7	Dr. C.V. Pradeep	“Trauma to teeth and its Management” / Conservative Dentistry	29-03-11	125
8	Dr. Prashanth Dhanapal	“Current concepts in post endodontic restorations” / Conservative Dentistry	28-07-11	130
9	Dr. Aparajithan	“Smile India Smile” ceramic duo restorative / Conservative Dentistry	11-08-11	110
10	Dr. Sherry Peter / Dr. Pramod Subash	“Osteomould 2010” – Workshop / OMFS	June 2010	30
11	Dr. Elmar Reich	“Clinical consideration in composite resins”	04-07-13	140
12	Dr. Krishnan Madhavan	“Predictable success in metal free ceramics”	04-07-13	140

45. List the teaching methods adopted by the faculty for different programmes.

For BDS didactic lectures, seminars, pre-clinical works, clinical works, demonstrations.

For MDS, didactic lectures, seminars, clinical discussions, journal clubs, case presentations, pre-clinical works and demonstrations.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The departments conduct regular internal assessment examination, end posting examination to constantly monitor the learning of the students. The feedback are taken from the students to monitor that our objectives are met.

47. Highlight the participation of students and faculty in extension activities.

In addition to the regular theoretical and clinical learning, the students are encouraged in other extension activities like school health camps, rural camps and other social activities.

48. Give details of “beyond syllabus scholarly activities” of the department.

We conduct regular school health camps, rural camps and other social activities. The details are attached.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

The BDS degree run by Amrita School of Dentistry is recognized by the Govt. of India, in June 2008 and it is constantly monitored by the Dental Council of India.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

STRENGTHS

- Efficient, Experienced, Dedicated and Well qualified Faculty
- Well developed specialties and departments including facilities such as Implantology clinic, Maxillofacial Prosthesis Clinic etc, which are at par with or more advanced than other Dental Institutes in the country.
- An integrated university campus system housing the Dental College, Hospital, and Hostel – all in the same premises.
- Giving importance to the overall development of its student community, the Amrita School of Dentistry encourages all its students to actively participate in the various community health camps organized in different parts of Kerala. Amrita smitham is yet another venture of amrita school of dentistry to full fill its social responsibility and commitment by conducting treatment camps at tribal villages and remote places.
- The post graduate trainees are encouraged to undertake projects for their dissertation studies in collaboration with the various clinical departments in AIMS hospital viz. Cytogenetics, Pediatric genetics, Oncology etc. giving our students better exposure when compared to their peers taking dental education elsewhere in the state.

WEAKNESS

- 1) Due to the high inflow of patients in some departments, the patients need to wait for quite some time in these departments to get their treatment done. This was a problem in the initial years of the functioning of the Dental School, but has been reduced to a considerable extent over the period of years.
- 2) The undergraduate students, during their internship period, often start self preparations for the post graduate entrance examinations. Requests and suggestions have been received from various quarters to begin coaching classes for such students, so that our own faculty members may be made use of to impart training for the interns who are aspiring for post graduate studies. Discussions are actively on to work out a strategy so as to start post graduate dental coaching class within the premises on holidays for the benefit of the interns of the Amrita School of dentistry.

OPPORTUNITES

1) *Dentist:population Ratio*

The dentist population ratio according to the WHO is 1:7500 and this is by far extremely less, pointing to a dearth of dentists in our country. This calls for more dentists to be produced every year to supply to the ever increasing demand for dentists. This could be achieved partially by taking measures to increase the number of undergraduate and post graduate seats in the Dental Institutes.

2) *Untapped opportunities abroad.*

There is a good scope for the Undergraduates and postgraduates in foreign countries like the Middle East, Canada etc. where the native dentist population is extremely low. This

calls for lot of opportunities for the budding dental graduates to try for placements abroad, after the completion of their courses.

3) *Foreign collaborations*

There is immense scope for collaboration with foreign universities and it can be mutually beneficial. Student exchange programmes with dental institutes of foreign universities will be extremely beneficial for either side, as this would give an opportunity to the students to keep abreast with the dental education being imparted in other parts of the world.

CHALLENGES

1) *New dental colleges coming up in the state.*

With the sanctioning and setting up of many dental institutes in the state, priority has to be given to the up keeping of the standards of the dental education. No compromises should be made in the academic training imparted to the students, as this would gravely affect the crop of dental professionals being produced from such institutes.

2) *Increase in number of patients and giving quality treatment for all the needy patients.*

We have improved the EMR system to manage the patient's number and to help the handling of patient's records

52. Future plans of the department.

1. To increase the Post Graduate seats in all specialities.
2. To improve the research activities of the faculty and students.
3. To increase the number of satellite clinics in the rural areas.
4. To introduce new innovations and trends in the academics.

Amrita School of Engineering – Amritapuri

Evaluative Report of the Amrita School of Engineering, Amritapuri

1. Name of the School : **Amrita School of Engineering, Amritapuri**
2. Year of establishment: **2002**
3. Is the Department part of a School/Faculty of the university? If so, specify.
Yes, Amrita Vishwa Vidyapeetham
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Programme Name	Programme Duration	Student Intake*	Start Date
1	B.Tech in Computer Science Engineering	4 years	130	2002
2	B.Tech in Electronics & communication Engineering	4 years	130	2002
3	B Tech in Electrical & Electronics Engineering	4 years	130	2005
4	B Tech in Mechanical Engineering	4 years	130	2004
5	M.Tech in Computer Science Engineering	2 years	24	2010
6	MTech in VLSI	2 years	24	2012
7	M Tech in Power & Energy Engineering	2 Years	24	2011
8	M Tech in Thermal & Fluids Engineering	2 Years	24	2011
9	M Tech in Wireless Networks & Applications (WNA)	2 Years	24	2009
10	M Tech in Cyber Security Systems & Networks	2 Years	24	2012
11	MCA	3 years	27	2004
12	MCA Lateral Entry	2 years	22	2013
13	MSc(Computer Science)	2 years	22	2004
14	BSc(Computer Science)	3 years	39	2004
15	BCA	3 years	76	2013
16	Cisco Certification	6 months & 1 year	50	2004
17	Ph. D in Computer Science Engg	4 Years	-	2008
18	Ph. D in Electronics Enng	4 Years	-	2009
19	Ph.D in Electrical Engg	4 years	-	2010
20	Ph.D in Mechanical Engg	4 years	-	2009
21	Ph.D in Wireless Networks & Applications	4 years	-	2011

Note: * The student intake count is as per 2013 admissions

5. Interdisciplinary programmes and departments involved

S. No.	Programme Name	Departments Involved	Programme Duration	Student Intake	Start Date
1	M. Tech in Wireless	CSE, ECE, EEE,	2 Years	24	2009

	Networks & Applications	ME			
2	M. Tech in Cyber Security Systems & Networks	CSE, ECE, EEE, ME	2 Years	24	2012
3	Cisco Certification (IT Essentials)	Computer Science Applications & Mechanical	3-4 months	15	2007

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

S. No.	Programme Name	Name of outside institution	Programme Duration	Student Intake	Start Date
1	M.Tech in Computer Science Engineering	VU University, Netherlands	1 year at VU	1	2011

7. Details of programmes discontinued, if any, with reasons

S. No	Programme Name	Year of discontinuation	Reason(s) for discontinuation
1	BSc (Computer Science)	2013	As the student's response to the BCA is more compared to BSc(Computer Science) and industry also prefers BCAs.
2	B.Tech IT	2008	It was observed that the syllabus of B. Tech in CSE & IT was more or less similar and the demand for CSE professionals was increased.

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Choice Based Credit System

9. Participation of the School in the courses offered by other departments

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Actual
Professor	NA	12
Associate Professors	NA	6
Asst. Professors	NA	103
Others (Adjunct Professors)	NA	2

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years

Dr. Ramachandra M. Kaimal	Ph. D	Professor	Image Processing, Machine Learning Algorithms,	34	
Dr. Jayaraj P	Ph. D	Associate Professor	Formal Methods, Cyber Security	13	
Dr. Maneesha V.Ramesh	Ph. D	Associate Professor	Wireless Sensor Networks	9	
Dr. Bhadrachalam Chitturi	Ph. D	Assistant Professor (Sl. Gr.)	Algorithm Design, Bio- computation	16.6	
Dr. Jyothisha.J Nair	Ph. D	Assistant Professor (Sl. Gr.)	Computer Vision	12	

	PhD	Chair Person (ECE), Associate Professor	Material Science and Engg, Micro- electronics	11	
	PhD	Distinguished Professor	Electronics, Physics	39	3

	PhD	Associate Professor	Electronics	12	4
	PhD	Associate Professor	Chaos Theory		

	PhD	Assistant Professor	VLSI	9	
	PhD	Assistant Professor	Microwave Electronics	12	
Dr. P S Chandramohan an Nair	Ph. D, M Sc (Engg)	Professor	Energy Conservation , Energy Management, Power Systems	Teaching 32 Years and Research 3 Years	Completed – 1 Ongoing - 7

Dr P Kanakasabapat hy	Ph. D, M Tech	Associate Professor	Power Electronic Application to Power Systems, Smart Grid and Restructure Power Systems	Teaching 8 Years and Research 4 Years	2 (ongoing)
Dr Manjula G Nair	Ph. D, M Tech	Professor	Power Systems	Teaching 19 Years	Completed – 1 Ongoing - 1

			Materials Science		

			uid-Structure Interaction, ShearLayer Instability, Vortex Flows, Turbomachin ery		

			Computational Fluid Dynamics, Multiphase Flow and Heat Transfer, Heat Pipes, Thermal Hydraulic Studies, Simulation and Modelling		

			Process Control and Environmental	1 year and 1 months (in amrita) and 29 years (in other institutes)	
Lata Wadhwani	MS	Assistant Professor (Sl. Gr.)	Object oriented analysis and design, software engineering, embedded systems	15.5	
Padmamala Sriram	MS	Assistant Professor (Sl. Gr.)	Computer Science	11.10	
Remya.R	M Tech	Assistant Professor (Sr. Gr.)	Computer & Information Science	11	
Remya Velayudhan	M Tech	Assistant Professor (Sr. Gr.)	Computer & Communication	10.2	
Sandhya Harikumar	M Tech	Assistant Professor (Sr. Gr.)	Database	13	
Swaminathan.J	M Tech	Assistant Professor (Sr. Gr.)	Systems Engineering	14	
Geetha.M	M Tech	Assistant Professor (Sr. Gr.)	Image processing	8	

Asha Ashok	M Tech	Assistant Professor	Computational Engineering & Networking	4	
Greeshma Sarath	M Tech	Assistant Professor	Computer Science	0.9	
Jayasree Narayanan	MS	Assistant Professor	System software	24	
Lakshmi Nambiar	MS	Assistant Professor	EEG Signal processing & feature extraction	5.6	
Lekshmi.S.Nair	M Tech	Assistant Professor	Computer science & Engg.	5	
Prathibamol.C.P	M Tech	Assistant Professor	IT	5	
Rishikeshan.C.A	M Tech	Assistant Professor	RS & GIS	2	
Siji Rani.S	M Tech	Assistant Professor	Computer Science & Engg.	7.9	
Simi.S	M Tech	Assistant Professor	Wireless networks	8	
Lekha.S.Nair	M Tech with NET	Assistant Professor	Digital image processing	5.6	
Vinitha.J.Panicar	M Tech	Assistant Professor	Image processing	4.2	
Jasmine T Bhaskar	M Tech + MBA	Senior Lecturer	Machine learning	14	
Anish Chandran	B Tech	Lecturer(on deputation to projects)	Computer programming	9.7	
Dhivvya.J.P	B Tech	Lecturer	Computer Science	5.10	
Neetha Joseph	B Tech	Lecturer	Computer Science	4	
Sarath.S	M Tech	Assistant Professor	Computer Science	8.3	
Sumesh.K.J	B Tech	Lecturer	Computer science	10	
Vineetha.S	B Tech	Lecturer	Computer Science	10	
Manoj Kumar.G	B Tech	Teaching Assistant	Computer Science	8	
Archana.K Rajan	M Tech	Lecturer	Machine learning	6	
Krishna Prasad .T.R	B Tech	Lecturer	IT	3.4	

Ruphiny.N	B Tech	Lecturer	IT	5.10	
Seena.K	B Tech	Lecturer	IT	5	
Suhas Kurup.M	B Tech	Lecturer	IT	6	
Karthi Balasubramani an	MS in VLSI	Assistant Professor	Analog VLSI	12	
Rajesh Kannan Megalingam	MTech in VLSI	Assistant Professor	VLSI, Embedded Systems	16	
	M E	Assistant Professor	VLSI	18	
Remya	MTech in VLSI	Assistant Professor	VLSI, Embedded Systems	10	
Ms Amritha S	M Tech	Assistant Professor	Guidance and Navigational Control	Teaching 1 Year and 7 Months	
Ms Angel T S	M Tech	Assistant Professor	Power Systems	Part Time 5 Months and Teaching 7 months	
Mr Anudev J	M Tech	Assistant Professor	Applied Electronics	Industry 5 Months and Teaching 1 Year and 2 Months	

Mr Arun Rajendran	M Tech	Assistant Professor	Power Systems	Teaching 1 Year and 8 Months	
Ms Asha C A	M Tech	Assistant Professor	Electrical Machines	Teaching 7 Months	
Ms Aswathy K R	M Tech	Assistant Professor	Remote Sensing and Wireless Sensor Network	Teaching 9 Months	
Bri Deepthi	B Tech	Lecturer	Electrical Engineering	Teaching 9 Years and 8 months	
Ms Disha Dinesh J	M Tech	Assistant Professor	Power Electronics	Teaching 3 years and 7 months	
Ms Divya R	M Tech	Assistant Professor	Power Electronics		
Ms Indu V	M Tech	Assistant Professor	Instrumentation and Control System	Teaching 8 months	
Ms Jayasree P R	M Tech	Assistant Professor	Guidance & Navigational Control	Teaching 2 Years	
Ms Lekshmi S (left on 01/08/2013)	M Tech	Assistant Professor	Instrumentation & Control System	Teaching 4 years and 9 months	
Ms Lekshmi R Chandran	M Tech	Assistant Professor	Power Electronics		
Mr Meher Madhu Dharmana	M Tech	Assistant Professor	Instrumentation & Control System	Teaching 8 months	
Mr Nandagopal J L	M Tech	Assistant Professor	Guidance & Navigational Control	Part time 1 year , Teaching 7 months	
Ms Parvathy G	M Tech	Assistant Professor	Guidance & Navigational Control	Teaching - 2 months	
Ms Prathibha S Babu	M Tech	Assistant Professor	Power System	Teaching 7 months	
Ms Preetha P K	M Tech	Assistant Professor	Power System	Teaching 15 years	

Ms Rajasree S R	M Tech	Assistant Professor	Control System	Teaching 2 years & 2 months	
Mr Ravishankar A N	M Tech	Assistant Professor	Industrial Power & Automation	11 months research-Teaching 2 years and 7 months	
Ms S Vineetha	M Tech	Assistant Professor	Micro Electronics	Teaching 2 years and 7 months	
Ms Seema P N	M Tech	Assistant Professor	Instrumentation & Control System	Teaching 8 years & 7 months	
Bri Shakunthala	B Tech	Lecturer	Electrical Engineering	Teaching 9 years and 8 months	
Ms Sherin Jesna V A (Left on 31/07/2013)	M Tech	Assistant Professor	Control System	Part time 6 months and teaching 7 months	
Ms Sreelekshmi R S	M Tech	Assistant Professor	Power System	Teaching 6 years and 5 months	
Mr Srikanth V	M Tech	Assistant Professor	Industrial Drives & Control	Teaching 1 Year	
Ms Sruthy V	M Tech	Assistant Professor	Power System	Teaching 1 year and 7 months	
Ms Swapna V	B Tech	Sr Lecturer	Electro Magnetics		
Mr T Sreejith Kailas	M Tech	Assistant Professor	Power Electronics	Teaching 2 Years and 7 months	
Br Vijayan Selvan	B Tech	Lecturer			
Mr Vivek A	M Tech	Assistant Professor	Control System	Part time 5 months and Teaching 7 months	

Mr Winston Netto (Left on 31/07/2013)	M Tech	Assistant Professor	Guidance and Navigational Control	Part time 6 months and Teaching 7 months	

			upply-Chain Management, Manufacturin g Engineering	9years and 4 months	

			Environmental Engineering, Technology Management	2 years and 5 months	
			. C. Engines	6 years and 1 month	

			Air Breathing Propulsion, CFD, Fluid Mechanics, Heat Transfer, Compressibl e Flow	1 year and 1 month	
			Dynamics, Design, Robotics	6 years and 2 months	

			Manufacturing Engineering	6 years	
			SolarPower, Thermal Engineering	1 year and 4 months	

			Theory of Vibrations, Dynamics of Ocean Structures, Flow-induced Vibrations, Dynamics of Machines, Finite Element Methods, Machine Design, Fluid mechanics, Experimental Methods and Measures	1 year and 2 months	
			Advanced Solid Mechanics	6 year and 5 months	
			Machine Design	4 years and 11 months	

Sivakumar CP	M.E		Refrigeration and Air- conditioning	9 months	
Sumesh K P	M.Tech			1 year & 2months	

Krishnadas Narayanan Nampoothri	M.Tech		Nanotechnol ogy	3 months	
Nithin Thankachan	M.Tech		Thermal Engg:	3 months	

Abhay G K	M.Tech		Thermal & Fluids	3 months	
ArunKumar K	M.Tech		Thermal & Fluids	3 months	

ManuSivan	M.Tech		Thermal & Fluids	3 months	
Sarath R S	M.Tech		Thermal & Fluids	3 months	
Ms Ani. R	MCA, pursuing Ph.D,	Assistant Professor (Sl. Gr.)		4 months	
Ms Geethalekshmy V	MSc + M.Tech.	Asst. Professor(Sr. Gd)		12 years	
Ms Ramya Rajesh	MCA, pursuing Ph.D	Asst. Professor(Sr. Gd)		11 years	
Ms Manjusha Nair	B level, pursuing Ph.D	Asst. Professor(Sr. Gd)		9 years	

Ms Raji Ramachandran	B level, pursuing M.Tech	Asst. Professor(Sr. Gd)		7 years	
Bri.Praveena	MCA	Asst. Professor(Sr. Gd)		11 years	
Ms Veena G	M.Tech.	Asst. Professor(Sr. Gd)		9 years	
Ms Jisha RC	M.Tech.	Asst. Professor(Sr. Gd)		12 years	
Mr Binu PK	MSc CS	Asst. Professor(Sr. Gd)		9 years	
Ms Resmi TR	MCA	Asst. Professor(Ord. Gd)		5 years	
Ms Kavitha KR	MCA	Asst. Professor(Ord. Gd)		5 years	
Ms Indulekha TS	MCA, NET qualified	Asst. Professor(Ord. Gd)		5 years	
Ms Subbulakshmi. S	MCA, Mphil, pursuing Ph.D	Asst. Professor(Ord. Gd)		1 year	
Bri.Jayashree	MCA	Asst. Professor(Ord. Gd)		5 years	
Mr Jayakumar P	MSc CS, NET qualified	Lecturer		5 years	
Mr Abhilash. S	MSc CS	Lecturer		6 years	
Ms Thushara. M.G.	MSc CS, pursuing Ph.D	Faculty Associate		4 months	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Note: Please provide details of date of appointment, courses taught, research projects executed, and any other contribution from the same. If the faculty are no longer with Amrita, mention the exit date. Provide in tabular form.

Adjunct Professor

- Professor Masahiro Fujitha from University of Tokyo
- Vallath Nandakumar (more than 15 years industrial experience in highly reputed industries in the US. He obtained his MS and PhD from University of California, Berkeley, which has always been ranked in the top 3 worldwide)

13. Percentage of classes taken by temporary faculty – programme-wise information

No temporary faculty members

14. Programme-wise Student Teacher Ratio

CSA – 18:1
 CSE – 20:1
 ECE B. Tech– 20:1
 M. Tech – 5:1
 EEE B Tech – 14:1
 EEE M Tech – 3:1
 ME B Tech – 17:1
 ME M Tech – 3:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, and actual

Designation	Sanctioned	Actual
Department Secretary	NA	4
Office Assistant	NA	4
Lab Assistant	NA	42
Lab Instructor	NA	14
Tradesman	NA	12

16. Research thrust areas as recognized by major funding agencies

THRUST AREAS OF RESEARCH (Computer Science & Applications):

I. HIGH DIMENSIONAL DATA ANALYSIS:

Over the last few years, significant expansions have been taking place in high-dimensional data analysis, driven primarily by wide range of applications in many fields. In particular, substantial advances have been made in the areas of feature selection, covariance estimation, regression, supervised and unsupervised learning. The goal of high dimensional data analysis is often to find similarities and patterns in massive and complex data sets. Fundamental tasks of these data analysis involve classification, regression, latent variable analysis and clustering. A number of statistical techniques and machine learning algorithms have been recruited or developed to handle the required data analysis: The major work in these directions is

- (i) the use of exploratory data analysis, cluster analysis and visualization methods to investigate patterns and structures;
- (ii) the use of modern approaches for classification and prediction to identify disease states or motif, with the help of methods like the ‘least absolute shrinkage and selection operator’ (Lasso) [Tibshirani, 1998] and pursuit algorithms; to handle scenarios involving very large numbers of explanatory variables or ‘predictors’;
- (iii) the application of latent-variable models such as hidden Markov models [L.E. Baum] for DNA sequencing;
- (iv) Implementation of such algorithms on using GPU technology and distributed platforms will be a major area of research.

II. FORMAL METHODS

The Internet has evolved over the years from a network of computer clusters to one that also encompasses heterogeneous devices capable of generating and consuming data. This expanded network is known as Internet –of-Things (IoT). From its initial concept supporting RFID devices, IoT has broadened its scope to include road traffic monitoring systems, surveillance cameras,

and home utility-devices to personal medical devices. The current Internet and supporting technologies would need to reshape themselves so that they can accommodate these kinds of devices.

So the major issues that we are focusing are:

1. Design and implementation of a language based on asynchronous pi-calculus for programming IOT systems.
2. Addressing scheme for IoT objects in order to uniquely identify and address them.
3. Middleware communication layer for interfacing incompatible devices.
4. A multi-channel real-time Big Data Analytical Engine Capable of handling streaming data from multiple channels /domains with instantaneous decision making capability.

III. COMPUTATIONAL BIOINFORMATICS:

Work is progress in the area of bio-computation and bioinformatics. The specific areas of research are: (a) **Transformation of sequences:** A well defined genetic/genomic mutation can be modeled as a transformation of a sequence with the corresponding operation. Such a study has applications in genetics. The recent research in this lab has established several new bounds in transforming sequences with several operations and proved the complexity of various operations on strings. These bounds have applications in distance measurements between a pair of genes/genomes.

(b) **Protein structure modeling:** Work on models of protein substructures are performed the corresponding frequency analysis in 3D protein databases.

(c) **Graph based gene prioritization:** Given a graph $G=(V,E)$ where a vertex models a gene and an edge models an interaction, and a subset of genes S that are known to cause a disease D , graph based gene prioritization problem seeks to identify the most promising disease genes for D among $V-D$. New algorithms are designed based on graph to improve the run-time efficiency of the existing algorithms.

THRUST AREAS OF RESEARCH (Electronics & Communication Engineering):

Analog VLSI, Embedded Systems, Robotics, Chaos Theory

THRUST AREAS OF RESEARCH (Electrical & Electronics Engineering):

Power Quality, Smart Grid, Renewable sources of Energy

THRUST AREAS OF RESEARCH (Mechanical Engineering):

Robotics, Computational Fluid Dynamics, Flow Induced Vibrations

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. No	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project*
1.	Static analysis on floating point accuracy	Prof. Dr. Helmut Seidl	ERASMUS MUNDUS	1500 EURO	34 MONTHS

2.	Bandpass $\Delta\Sigma$ -ADC for Multi-standard Wireless Application	Dr Bibhu Datta	Analog Devices India Pvt. Ltd., Bangalore, India	Rs. 8 Lakhs	12 months
3	Hybrid Superconductor-Semiconductor Pipelined ADC	Dr Bibhu Datta	Hypres Inc., New York, USA	Rs. 43 Lakhs	36 months
4	Theoretical and empirical investigation on the interaction of asymmetric migration and intrinsic growth rate on the dynamics of laboratory metapopulation of <i>Drosophila melanogaster</i> .	Dr Nithin Nagaraj ((this project is done in collaboration with IISER Pune))	Department of Bio-technology, Govt. of India	Rs 6.38 Lakhs	3 years (2010-2013)
5	Wheeled Patient Monitoring System	Br.Rajesh Kannan	IEEE Region 10 and IEEE kerala Section	US \$1050	2 years (2013 June – 2013 Dec)
6	PULSS: Portable Ultrasound Scanning System	Br.Rajesh Kannan	IEEE Foundation Inc., NJ, USA and Amrita University	US \$800	Jan 2013-July 2014
7	Robotic Coconut Tree Climber	Br.Rajesh Kannan	M A Math, Amritapuri	Rs. 50,000	July 2012-Jun 2015
8	Intelligent Home Navigation System (IHNS) for the elderly and the physically challenged	Br.Rajesh Kannan	IEEE Foundation Inc., NJ, USA	US \$7520	Two years(2011 Jan – 2013 Dec) completed*
9	Drainage power recovery from distribution transformers	Ms. Preetha P.K., Dr. P.S Chandramohan Nair	Amrita University		2 years

10	Smart Grid	Dr. P. Kanakasabapathy	Amrita University		2 years
11	Framing an electricity policy incorporating energy efficiency parameters	A. M. Narayanan (Research Scholar), Dr. P.S. Chandramohan Nair and Dr. P. Kanakasabapathy	Amrita University		2 years
12	Design and implementation of Solar Hybrid Module	Mr. Ravishankar A N, Dr. P.S. Chandramohan Nair	Amrita University		2 years
13	An ANN controller for a hybrid filter**	Dr. Manjula G.Nair	Amrita University	Rs. 55000	Completed (April 2012)
14	Development of a three-phase hybrid filtering system with digital control** : DST-SERC funded project	Dr. Manjula G.Nair	DST-SERC funded project	Rs. 19.5 lakhs	Completed (March 2012)
15	Study and simulation of landing Dynamics of a lunar soft lander	Principal Investigator : Dr. Ganesha Udupa, Professor Co-Investigators : Dr. Ganesh Sundaram, Assistant Professor & Mr. Pramod S. Assistant	ISRO	INR 10.7 lakhs	2012-2013
16	Design and fabrication of solar vehicle .	Dr. Ganesha Udupa	Amrita University	INR 10.0 lakhs	On going
17	Human robot	Dr. Ganesha Udupa	Amrita University		On going
18	Artificial leg	Dr. Ganesha Udupa	Amrita University		Ongoing

***Projects 13 and 14 are carried out at Amrita School of Engineering, Bangalore campus and Dr. Manjula G Nair was a faculty there during the course of project*

18. Inter-institutional collaborative projects and associated grants received

- i) National collaboration b) International collaboration
National

S. No.	Name of Department/ School in Amrita	Primary Contact in Amrita - Name & Designation	Name(s) of Collaborating Institution (s)	Primary Contact (Collaborator) – Name & Designation	Description of Research Programme (include details of amount, start date, duration, and project title)
1.	Dept. of ME, ASE	Dr.Ganesha Udupa	ISRO	Mr. Santhosh J Nalluveetil, Engineer SF, Staging System and Mechanisms division, Aerospace Mechanism group MVIT, VSSC ISRO, P.O	Study and simulation of landing dynamics of a lunar softlander (RESPOND-Project) Duration: 2012-2013 Grant Received: 10.7 Lakhs
2.	Dept. of ME, ASE	Dr. Balakrishnan Shankar	IIT, Kharghpur	Dr. CS Kumar, Professor, Department of ME, IIT, Kharghpur	Virtual Labs in Mechanics, Solar, Wind and Energy storage, Duration: 2010 onwards, Grant Received: 2 Crores

International
Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
Rs. 19.5 lakhs** (ref. 17.14)

(Carried out at Amrita School of Engineering, Bangalore campus and Dr. Manjula G Nair was a faculty there during the course of project)

20. Research facility / centre with

- state recognition
- national recognition
- international recognition
 - i) Analog Devices India Pvt. Ltd., Bangalore, India
 - ii) Hypres Inc., New York, USA
 - iii) Department of Bio-technology, Govt. of India
 - iv) IEEE Region 10 and IEEE Kerala Section
 - v) M A Math, Amritapuri
 - vi) IEEE Foundation Inc., NJ, USA

21. Special research laboratories sponsored by / created by industry or corporate bodies

22. Publications:

- * Number of papers published in peer reviewed journals (national / international)
- * Monographs
- * Chapters in Books
- * Edited Books
- * Books with ISBN with details of publishers
- * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- * Citation Index – range / average
- * SNIP
- * SJR
- * Impact Factor – range / average
- * h-index

Also, fill out information in the table below.

PAPER PUBLICATION DETAILS

Year	Type of Publication	Publication Details	Average citation index and impact factor of publications
2013	International Journals	Title: Euler Lagrange based Solution for Image Processing Authors: Asha Ashok, Shajeesh KU, Swathy Sekhar, Vidya M, K P Soman Name of the Journal: Int. Journal of Applied Sciences and Engineering Research Month and Year of Publication: January 2013 Volume No.1 Page No.255-265 Title of the Paper: “Multi-scale Segmentation Based on Nonlinear Complex Diffusion” Authors: Jyothisha J Nair, V K Govindan Name of the Journal: <i>Journal of Medical Imaging and Health Informatics</i> Month and Year of Publication: june 2013 (accepted for publishing)	
		Title of the Paper: Multi-scale Segmentation Based on Nonlinear Complex Diffusion Authors: Jyothisha J Nair, V K Govindan Name of the Journal: <i>International</i>	
2012	International Journals	Title of the Paper: Multi-scale Segmentation Based on Nonlinear Complex Diffusion Authors: Jyothisha J Nair, V K Govindan Name of the Journal: <i>International</i>	

- Review on Computers and Software,*
Month and Year of Publication:
March 2012.
 Volume No. (Vol. 7 N. 2), Page No. 561-567
- 2 Title of the Paper: Questions
 Categorization using SVM Based on
 Different Term Weighting Methods
 Authors: Priyanka G Pillai, Jayasree N
 Name of the Journal: International
 Journal on Computer Science and
 Engineering
 Month and Year of Publication: May
 2012
 Volume No.4 Page No.4
 Title: Bounding Prefix Transposition
 Distance for Strings and Permutations.
 Authors: Bhadrachalam Chitturi, I. Hal
 Sudborough
- 3 Name of the Journal: Theoretical
 Computer Science
 Month and Year of Publication:2012
 Volume No.421, Page No. 15-24
 Title of the Paper: A Vision Based
 Recognition of Indian Sign Language
 Alphabets and Numerals Using B-Spline
 Approximation
 Authors: Geetha M, Ms Manjusha
- 4 Name of the Journal: International
 Journal on Compute Science and
 Engineering (IJCSE) Month and Year of
 Publication: March 2012.
 ISSN : 0975-3397 Volume No. 4, Page
 No.3
 Title of the Paper: “Automatic
 Segmentation Employing Fuzzy
 Connectedness”
 Authors: Jyothisha J Nair, V K Govindan
- 5 Name of the Journal: *International
 Review on Computers and Software*
 Month and Year of Publication:
March 2012.
 Volume No. (Vol. 7 N. 2), Page No. 561-567
- 6 **Title:** Self consistency grouping: a
 stringent clustering method.
Authors: Bong-Hyun Kim,
 Bhadrachalam Chitturi, Nick V. Grishin
Name of the Journal: BMC
 Bioinformatics
Month and Year of Publication: 2012,

			Volume No.13
			Title : Combined Method Of Level Set With Impact On Pre_Processing For Binarization Of Document Images In Tamil Script
		7	Authors: Asha Ashok, Dhivya S, Jansi Rani S, K P Soman
			Name of the Journal: International Journal of Computer Applications
			Month and Year of Publication: June 2012 Volume No.48 Page No. 48-55
			Title: Modeling Mobile Stateful Channels in π Z Authors: Jayaraj Poroor and Bharat Jayaraman ,
		8	Name of Journal : Science of Computer Programming, Elsevier, 2012
			Title: Speckle noise reduction using fourth order complex diffusion based homomorphic filter
	International Conference	1	Authors: Jyothisha J Nair, V K Govindan Name of conference: Advances in Computing and Information Technology July,2012
			Title : Identification of replica node in Wireless Sensor Network Authors: Lekshmi S Nair
		2	Name of the conference: ADCOM,2012,December 2012
			Title: C2L: A Formal Policy Language for Secure CloudConfigurations
			Authors: poroor, Jayaraj; Jayaraman, Bharat
		3	Name of the conference: 3rd International conference on Ambient Systems, Networks, and Technologies,(ANT), Ontario, Canada, 2012.
			Title : Frequency migration from alpha to delta in preictal phase—an ictal predictor / locator
	National Conference	1	Authors: Nair G. J. , Chinmayi R, Siby Gopinath., and Lakshmi Nambiar
			Venue of Conference: Cochin Month and Year: February, 2012
			Title: A Note on Complexity of Genetic mutations. Author: Bhadrachalam Chitturi
2011	International Journals	1	Name of the Journal: Discrete Mathematics Algorithms and Applications Month and Year of Publication: Sep 2011 Volume No.3

- Title :** Gesture Recognition of Indian sign Language using BSpline Approximation
Authors: Geetha.M, Rohit Menon, Suranya jayan
Name of the Journal: IJCSE **Month and Year of Publication:**2011
- Title :** Automatic Object Extraction From Satellite Images Using Cellular Automata Based Algorithm
Authors: Rishikeshan C.A, Arun P.V, Dr. S.K. Katiyar
Name of the Journal: IEEE-TGRS **Month and Year of Publication:**2011
Volume No.50 **Page No.** **Issue:** 3,Part:2
- Title :** Verifying Security Properties of Internet Protocol Stacks: The Split Verification Approach,
Authors: Jayaraj Poroor and Bharat Jayaraman
Name of journal : Journal of Systems Architecture, Special issue on security and dependability assurance of software architectures, Elsevier, March 2011
- Title:** Automatic Segmentation of MR Brain Images
Authors: Jyothisha J Nair, V K Govindan
Name of the Conference: International Conference on Communication, Computing and Security
Duration of the Conference: Feb 12-15, 2011.
Name of the Organizer: NIT Rourkela.
- Title :** Gesture Recognition of Indian sign Language Alphabets and Numerals using polygon Approximation
Author: Geetha M
Name of Conference: IEEE International Conference on Technology for Education
Organizer: IIT Madras July 14-16 2011
- Title :** Small Disaster Relief Robots With Swarm Intelligent Routing
Author: Lakshmi Nambiar M, Subramaniam Ganesan
Name of the conference: ACWR 2011, Organizer: AVVP, Amritapuri Campus Dec 21,2011

International
Conference

2010	International Journals	4	Title: Formal Specification and Verification of Vehicular Handoff using π-calculus Authors: Poroor, Jayaraj; Jayaraman, Bharat; Name of the conference: International Conference on Wireless Technologies for Humanitarian Relief, Dec 2011. Page 6 of 7
			Title: Motion Segmentation Algorithm Using Spectral Frame work Authors: Vrinthavani. R., and M.R. Kaimal Name of the journal: Defence Science Journal Vol 60, No1., January 2010 Title: Detection of moving cast shadows using edge information Author(s): Panicker, J.Vinitha Name of the Conference: International Conference on Computer and Automation Engineering (ICCAE)
			Duration of the Conference: 26-28 Feb. 2010 Name of the Organizer: IEEE Conference Venue: Singapore Page No: Vol 5, 817 - 821 Proceedings Published By: IEEE Xplore and indexed by Ei Compendex and ISI Proceeding(ISTP).
			Title: JPermit: Usable and Secure Registration of Guest-Phones into Enterprise VoIP Network, Authors: Lakshmi, R. Vidya; Krishnan, Divya; S., Parvathy; K., Vishnudatha; Poroor, Jayaraj; Dhar, Amit; Name of the conference: , InternationalConference on Advances in Computer Engineering (ACE), 2010 , vol., no., pp.115-119, 20-21 June 2010 Title: Controller area network:Formal specification and verification using TLA+
2009	National Conference	1	Authors: Poroor, Jayaraj; Ramani, Varrun; Joshi, Avinash; Jayaraman, Bharat; Name of the conference: Sixth national conference on Automotive Infotronics, Society of Automotive Engineers, India, pp.1- 5, Dec 2010
	International Journals	1	Title : Denial of service attacks on real-time media through Indirect Contention-in-Hosts: Analysis and Mitigation Authors: Jayaraj Poroor and Bharat

		Jayaraman Journal : IEEE Internet Computing Nov-Dec issue, 2009 Title: Mesh-Tree Topology for Vehicular Networks, Auhtors: Sriram Karunagaran, Sudharsan Sundararajan, Jayaraj Poroor, Amit Dhar and Ranjith Pillai,
	1	Name of the conference: Workshop on Experimental Evaluation and Deployment Experiences on Vehicular networks (WEEDEV 2009), April 2009, Washington DC. Title: uVoIP: Cross-layer optimization of buffer operations for providing secure VoIP services on constrained embedded devices Authors: Dinil D, Aravind P, Thothadri Rajesh, Aravind P, Anand R, Jayaraj Poroor,
International Conference	2	Name of the conference: The First International Conference on Networks & Communications (NetCom 2009),Chennai, India. Title: SmartWhisper: Automated collaborative authentication with minimal human intervention in Secure Wireless Enterprise 802.11 Networks Authors: Jayaraj Poroor, Amit Dhar,
	3	Name of the conference : IEEE Workshop on Collaborative Security Technologies (Cosec '09), Bangalore, India. Title: Optimal Replacement Policy of Services Based on Markov Decision Process Authors: Sandhya, N.C. Narendra
	4	Name of the Conference: 2009, IEEE International conference on Services Computing Duration of the Conference: 21-25 Sep, 2009 Page No: 176-183 Proceedings Published By: Services Computing 2009, IEEE Xplore, ACM Digital Library Title : Prediction of candidate genes for neuropsychiatric disorders using feature-based enrichment
No	1	Authors: Binqing Xie, Gady Agam, Dinanath Sulakhe, Natalia Maltsev, Bhadrachalam Chitturi, T. Conrad Gilliam

Name of the Conference: BCB
Page No:564-566 Proceedings Published
By: ACM
Title: Fast dual-radio cross-layer
handoffs in multi-hop infrastructure-mode
802.11 Wireless Networks for in-vehicle
multimedia infotainment
Authors: Jayaraj Poroor, Sriram
Karunagaran, Sudharsan Sundararajan,
Ranjith Pillai,
2008 International Conference 1
Name of the conference: nternational
Symposium on Advanced Networks and
Telecommunications Systems (ANTS
2008), Mumbai, pp. 1-3. This paper won
the Best Paper Honorable Mention
award.

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
		2013		
2013	International Journal	1.	Title of the Paper: Pipelined ADC based design of bandpass $\Delta\Sigma$ -ADC Authors: Sarma, V. ; Sahoo, B. Name of the Journal: Electronics Letters Month and Year of Publication: 2013 Volume No. Volume: 49, Issue: 10	
		2.	Title of the Paper: "A 10-b 1-GHz 33-mW CMOS ADC Authors: B.D Sahoo and B.Razavi Name of the Journal: IEEE JOURNAL OF SOLID-STATE CIRCUITS Month and Year of Publication: JUNE 2013 Volume No. VOL. 48, NO. 6,	
		3.	Title of the Paper: A New Complexity Measure For Time Series Analysis and Classification Authors Name of the Journal: Eur. Phys. J. Special Topics 222 Month and Year of Publication: 2013 Volume No. : pp. 847–860	

	International Conference (Proceedings)	1.	Title of the Paper: Kinect Based Wireless Robotic Coconut Tree Climber Authors: Rajesh Kannan Megalingam, Ashish Pavan, Tom Charly, Harikrishna Menon, Anandkumar and Venu Madhav Name of the Conference: 3rd International Conference on Advancements in Electronics and Power Engineering (ICAEPE'2013) Duration of the Conference: Jan 8 – 9,2013 Conference Venue: Kuala Lumpur, Malaysia Proceedings Published By: IEEE	
		2.	Title of the Paper: Thought Controlled Wheelchair using EEG Acquisition Device Authors: Rajesh Kannan Megalingam, Athul Asokan Thulasi, Rithun Raj, Manoj Katta Venkata, Uday Dutt and Ajithesh Gupta Name of the Conference: 3rd International Conference on Advancements in Electronics and Power Engineering (ICAEPE'2013) Duration of the Conference: Jan 8 – 9,2013 Conference Venue: Kuala Lumpur, Malaysia Proceedings Published By: IEEE Title of the Paper: Measurement of Elder Health Parameters and the Gadget Designs for Continuous Monitoring Authors: Rajesh Kannan Megalingam, Athul Asokan Thulasi, Rithun Raj, Manoj Katta Venkata, Uday Dutt and Ajithesh Gupta Name of the Conference: 3rd International Conference on Advancements in Electronics and Power Engineering (ICAEPE'2013) Duration of the Conference: Jan 8 – 9,2013 Conference Venue: Kuala Lumpur, Malaysia	

			Proceedings Published By: IEEE	
	Inter National Conference (Proceedings)	3.	Title of the Paper: Effect of Surface Passivation on the Electrical Characterization of Ge/Al₂O₃/Al Moscaps Authors: Ragesh P., Sreehari G. S., and Sundar Gopalan Name of the Conference: International Conference on Electrical and Electronics Engineering (ICEEE-2012) Conference Venue: Ahmedabad	
2013	Inter National Conference (Proceedings)	4	Title of the Paper: Comparative Analysis of Lempel-Ziv and ETC Complexity Measures(ORAL) Authors: Karthi Balasubramanian, Nithin Nagaraj Name of the Conference: International Conference on Perspectives in Non-Linear Dynamics (PNLD 2013), Conference Venue: Univ. of Hyderabad Duration: July 15-18, 2013	
2013	Inter National Conference (Proceedings)	5	Title of the Paper: Master-Slave Coupled Chaotic Synchronization based Robust Source Coding(POSTER) Authors: Nithin Nagaraj, KW Wong, KN Sriram Name of the Conference: International Conference on Perspectives in Non-Linear Dynamics (PNLD 2013), Conference Venue: Univ. of Hyderabad Duration: July 15-18, 2013:	

2013	Inter National Conference (Proceedings)	6	<i>Title of the Paper:</i> Assistive technology for pregnant women health care; Rural area, mobile ultrasound scan system (using ASTM E1384-07 standard) Authors: <u>Megalingam, Rajesh Kannan</u> ; <u>Boopathi, K</u> ; <u>Sarathkumar, K S</u> ; <u>Sreedevi, S</u> ; <u>Vishnu, G B</u> Name of the Conference: <u>Global Humanitarian Technology Conference: South Asia Satellite (GHTC-SAS), 2013 IEEE</u> Page(s): 164 – 169 Published by: IEEE Digital Object Identifier: <u>10.1109/GHTC-SAS.2013.6629909</u>	
2013	Inter National Conference (Proceedings)	7	<i>Title of the Paper:</i> PULSS; Portable ultrasound scanning system Authors: <u>Megalingam, Rajesh Kannan</u> ; <u>Pocklassery, Goutham</u> ; <u>Jayakrishnan, Vivek</u> ; <u>Mourya, Galla</u> Name of the Conference: <u>Global Humanitarian Technology Conference: South Asia Satellite (GHTC-SAS), 2013 IEEE</u> Page(s): Page(s): 119 - 123 Published by: Digital Object Identifier: <u>10.1109/GHTC-</u>	

			<u>SAS.2013.6629900</u>	
			YEAR 2012	
2012	International Journal	1.	Title of the Paper: One-Time Pad as a Nonlinear Dynamical System Authors: Nithin Nagaraj Name of the Journal: Communications in Nonlinear Science and Numerical Simulation (Elsevier) Month and Year of Publication: Nov. 2012 Volume No: Volume 17, Issue 11, Page No. pp. 4029–4036	
2012	International Conference (Proceedings)	1.	Title of the Paper: Undergraduate Research Experience: A Case Study at ECE Department of Amrita University Authors Rajesh Kannan Megalingam and Ananthakrishnan Rajendran Name of the Conference: INDICON 2012 Duration of the Conference: Dec 7 – 9, 2012 Conference Venue: Kochi, Kerala, India.	
2012	International Conference (Proceedings)	2.	Title of the Paper An electronic gadget for Home-bound Patients and Elders Authors: Rajesh Kannan Megalingam, Vineeth Radhakrishnan, Deepak M U, Denny C Jacob Name of the Conference: INDICON 2012 Duration of the Conference: Dec 7 – 9, 2012 Conference Venue: Kochi, Kerala, India.	
2012	International Conference (Proceedings)	4.	Title of paper: Implementation of Automatic Navigation in Indoor Navigation	

		for Physically Challenged Authors: ajesh Kannan Megalingam, Ananthakrishnan Rajendran.; Dileep, D Name of the Conference: INDICON 2012 Duration of the Conference: Dec 7 – 9, 2012 Conference Venue: Kochi, Kerala, India.	
2012	International Conference (Proceedings)	5. Title of paper : Elder Health Care: Blood Pressure Measurement Authors: Rajesh Kannan Megalingam, Goutham Pocklassery, Vivek Jayakrishnan, Galla Mourya Name of the Conference: INDICON 2012 Duration of the Conference: Dec 7 – 9, 2012 Conference Venue: Kochi, Kerala, India.	
2012	International Conference (Proceedings)	6. Title of paper : Implementation of DES using pipelining concept with skew core key scheduling in secure transmission of images. Authors: : K. Praveen, Prabakaran Poornachandran, A. S. Remya Ajai Name of the Conference: Conference on Computational Science, Engineering and Information Technology (CCSEIT'12) Duration of the Conference: 26-28 October 2012 Conference Venue: Coimbatore Published By: ACM , ISBN: 978-1-4503-1310-0 doi>10.1145/2393216.2393322	
2012	International Conference (Proceedings)	7. Title of paper : “Gest-BOT” - A Highly Convenient Locomotive Solution for the Elderly and Physically Challenged Authors: : Megalingam, Rajesh Kannan; Nair, Ramesh Nammily; Prakhya, Sai Manoj; Mohan, Mithun Name of the Conference: Global	

		Humanitarian Technology Conference (GHTC) Duration of the Conference: 21-24 October, 2012 Conference Venue: Seattle, Washington, USA	
2012	International Conference (Proceedings)	8. Title of paper : Lighting up Lives in Un-electrified Villages Authors: : Megalingam, Rajesh Kannan; Nair, Lekshmi M.; Viswanath, Meera; Sugathan, Shreeja Name of the Conference: Global Humanitarian Technology Conference (GHTC) Duration of the Conference: 21-24 October, 2012 Conference Venue: Seattle, Washington, USA Proceedings Published By: IEEE Xplorer. Digital Object Identifier: 10.1109/GHTC.2012.83	
2012	International Conference (Proceedings)	9. Title of paper : :Effective Implementation of DES Algorithm for Voice Scrambling Authors: : Jinu Elizabeth John, A. S. Remya Ajai,Prabakaran Poornachandran Name of the Conference: :International Conference on Security in Computer Networks and Distributed Systems (SNDS 2012) Duration of the Conference: 11-12 October 2012 Trivandrum Conference Venue: Trivandrum	

		Proceedings Published By: Springer	
2012	International Conference (Proceedings)	10. Title of paper : Channel Modelling for Ad-Hoc Communication in an Underground Sensor Network Authors: : Abishek Thekkeyil Kunnath AND Prasanth.M. Warriar Name of the Conference: ICCCNT 2012 Duration of the Conference 26-28 JULY 2012 Conference Venue: :SNS college of engineering Proceedings Published By: IEEE	
2012	International Conference (Proceedings)	11. Title of paper : When Information Meets Chaos: Applications of Symbolic Dynamics Authors: : Nithin Nagaraj Name of the Conference: Mini-Symposia on Time Series Analysis and Fractals, National Conference on Nonlinear Systems and Dynamics (NCNSD 2012), Duration of the Conference: 14 July, 2012	
2012	International Conference (Proceedings)	12. Title of paper : Classification of Periodic, Chaotic and Random Sequences using NSRPS Complexity Measure Authors: : Karthi Balasubramanian, Gayathri R Prabhu, Lakshmipriya VK, Maneesha Krishnan, Praveena R and Nithin Nagaraj Name of the Conference: National Conference on Nonlinear Systems and Dynamics (NCNSD 2012) Duration of the Conference 12 - 15 July, 2012	

		13. Title of paper : A Proposal for Source Separation of Heartbeat Sounds and its FPGA Geethu R S, Sudhish N George, Krishnakumar M Authors: : Name of the Conference: International Conference on Communication Systems and Network Technologies (CSNT 2012) Duration of the Conference : : 10-14 May 2012 Conference Venue: Rajkot - India. Proceedings Published By: Conference Publishing Services (CPS)& papers available on IEEE Explore	
2012	International Conference (Proceedings)	14. Title of paper : VLSI Implementation of Burrows Wheeler Transform for Memory Reduced Distributed Arithmetic Architectures Authors: : Remya A.S, Lintu Rajan, Shiny C Name of the Conference: :Third International conference on advances in communication, network and computing. Duration of the Conference 24-25 February 2012 Conference Venue: : Chennai, India Proceedings Published By: :Springer,ISBN	
2012	International Conference (Proceedings)	15 Title of paper : Efficient Patient Monitoring for Multiple Patients Using WSN Authors: : Megalingam, Rajesh Kannan; Kaimal, Divya M.; Ramesh, Maneesha V Name of the Conference: International Conference on Advances in Mobile Network, Communication and its	

		Applications (MNCAPPS)	
		Proceedings Published By: IEEEExplorer Digital Object Identifier: 10.1109/MNCApps.2012.23, Publication Year: 2012	
2012	International Conference (Proceedings)	16. Title of paper : EduPad - A tablet based educational system for improving adult literacy in rural India Authors: : Megalingam, R.K.; Rajendran, A.P.; Solamon, A.T.; Dileep, D Name of the Conference: : IEEE International Conference on Technology Enhanced Education (ICTEE) Duration of the Conference : Jan 3 – 5,2012 Conference Venue: : Amritapuri, India Proceedings Published By: : IEEEExplorer Digital Object Identifier:10.1109/ICTEE.2012.6208630 Publication Year: 2012	
		Year 2011	
2011	International journals	1. Title of the Paper: Effect of PVD process parameters on the quality and reliability of thin (10–30 nm) Al ₂ O ₃ dielectrics Authors: Shibesh Dutta, Sivaramakrishnan Ramesh,Balakrishnan Shankar,Sundar Gopalan Name of the Journal: Applied Nano Science Month and Year of Publication: September 2011 Volume No:2 Page No: 4029–4036	
2011	International journals	2. Title of the Paper: Low-Cost Remote Patient Monitoring System Based on Reduced Platform Computer Technology Authors: Nevin Alex Jacob,Vysakh Pillai,Sandeep Nair, Prithviraj,Daniel Toshio Harrell, Rick Delhommer, Burton Chen, Isaac Sanchez,Vicki Almstrum, and Sundar Gopalan Name of the Journal: TELEMEDICINE and e-HEALTH, MARY ANN LIEBERT, INC. Month and Year of Publication: September 2011	

		Volume No. VOL. 17 NO. 7 Page No.1-10	
2011	International journals	3. Title of the Paper: Huffman Coding as a Nonlinear Dynamical System Authors: Nithin nagaraj Name of the Journal: International Journal of Bifurcation and Chaos (IJBC), Month and Year of Publication: 2011 Volume No: Volume: 21, Issue: 6 Page No: . pp. 1727-1736	
2011	International journals	4. Title of the Paper: A Low Cost Scheme for Tracking the Lives Buried in Landslides Authors: Krishnakumar M., Pramod K. V., Geethu R. S Name of the Journal: International Journal of Computer Applications -New Dimensions and Perspectives Month and Year of Publication:2011 Page No. 44-49	
2011	National journals	5 Title of the Paper: : Microcontroller Based Sensor Network for Irrigation in Agriculture Authors: Remya Ajai A S, Asha S Benny, Jayapriya A and K M Shabana Name of the Journal: Global Journal of Engineering and Applied Sciences Month and Year of Publication: September 2011 Volume No. Volume No. 1 Issue 3 Page No. .53-56	
2011	National journals	6 Title of the Paper: Implementation of Reduced Power Open Core Protocol Compliant Memory System using VHDL Authors: Br.Ramesh Bhakthavatchalu and Ms.Deepthy G R Name of the Journal: Journal of Computer Science Issues (IJCSI) Month and Year of Publication: January 2011 Volume No. No.8 Issue 1 Page No. paper id 'IJCSI-2011-8-1-154'	
2011	International conference	1. Title of paper : Wireless Intelligent Gadget for Disaster Relief Authors: : Rajesh Kannan Megalingam, Vineeth Radhakrishnan, Deepak M U, Denny C Jacob, Akhil K S	

		Name of the Conference: International Conference on Wireless Technologies for Humanitarian Relief Duration of the Conference : : Dec 18-21,2011 Conference Venue: : Amritapuri, India Proceedings Published By: ACM New York, NY, USA ©2011, ISBN: 978-1-4503-1011-6	
2011	International conference	2. Title of paper : A Novel Methodology for Memory Reduction in Distributed Arithmetic Based Discrete Wavelet Transform Authors: : A. S. Remya Ajai,Nithin Nagaraj Name of the Conference: International Conference on Communication Technology and System Design 2011 Duration of the Conference : December 7-9,2011 Conference Venue: : Proceedings Published By: :Procedia Engineering Vol. 30 (2012),Elsevier.Available on ScienceDirect. Indexed by Scopus and EI.	
2011	International conference	3. Title of paper : Assistive Technology for Elders: Wireless Intelligent Healthcare Gadget Authors: : Rajesh Kannan Megalingam, Vineeth Radhakrishnan, Deepak M U, Denny C Jacob, Akhil K S Name of the Conference: IEEE Global Humanitarian Technology Conference (GHTC) Duration of the Conference: 30 October - 1 November 2011 Conference Venue: : Seattle, Washington,	

		USA Proceedings Published By: IEEE Xplorer. Digital Object Identifier: 10.1109/GHTC.2011.94	
2011	International conference	4. Title of paper : Smart Traffic Controller using Wireless Sensor Network for Dynamic Traffic Routing and Over Speed Detection Authors: : Rajesh Kannan Megalingam, Vineeth Mohan, Ajay Mohanan, Paul Leons, Rizwin Shooja Name of the Conference: IEEE Global Humanitarian Technology Conference (GHTC) Duration of the Conference : : 30 October - 1 November 2011 Conference Venue: : Seattle, Washington, USA Proceedings Published By: IEEE Xplorer. Digital Object Identifier: 10.1109/GHTC.2011.99, Publication Year: 2011	
2011	International conference	5. Title of paper : Unconventional Indoor Navigation: Gesture Based Wheelchair Control Authors: Rajesh Kannan Megalingam, Sai Manoj Prakhya, Ramesh Nammily Nair, Mithun Mohan Name of the Conference: International Conference on Indoor Positioning and Indoor Navigation (IPIN'2011) Duration of the Conference : Sep 21 -23, 2011 Conference Venue: Guimarães, Portugal	
2011	International conference	6. Title of paper : Real-Time Automated Multiplexed Sensor System for Driver Drowsiness Detection Authors: : :Maneesha V Ramesh, Aswathy K Nair, Abishek T Kunnathu	

		Name of the Conference: Wireless Communications, Networking and Mobile Computing (WiCOM), 2011 7th International Conference Duration of the Conference : 23-25 sept, 2011 Conference Venue: : China Proceedings Published By: IEEE Xplore	
2011	International conference	7. Title of paper : 32-bit Reconfigurable Logic-BIST Design Using Verilog for ASIC Chips" Authors: : Ramesh Bhakthavatchalu (AP/ECE), Deepthi G.R. (AP/ECE), Arun Krishnan, Name of the Conference: 2011 IEEE Malaysian Section Duration of the Conference : June 27-28, 2011 Conference Venue: : Shah Alam, Malaysia	
2011	International conference	8. Title of paper : Algorithm and Simulation of Spiking Neuron Network in FPGA" Authors: : Ramesh Bhakthavatchalu (AP/ECE), Divya R.S, Gargi S (students/S4 M.Tech VLSI) Name of the Conference: 2011 IEEE Control & System Graduate Research Colloquium (ICSGRC) Duration of the Conference : June 27-28, 2011 Conference Venue: : Shah Alam, Malaysia	
2011	International conference	9. Title of paper : Microcontroller based Low power Scheduled Alarm System using USB interface Authors: : Ramesh Bhakthavatchalu (AP/ECE), Arun Krishnan, Sruthi.B,	

		Sreenivasa Name of the Conference: "2011 IEEE International Conference on Emerging Trends in Electrical and Computer Technology (ICETECT 2011)", Duration of the Conference : March 23-24, 2011 Conference Venue: : Kanyakumari,India	
2011	International conference	10. Title of paper : VLSI design of Low Power Open Core Protocol to I2C Bridge interface Authors: : Ramesh Bhakthavatchalu and Deepthy GR (AP/ECE), Nisha V and Vidhya S (students/S4 M.Tech VLSI) Name of the Conference: "2011 IEEE International Conference on Emerging Trends in Electrical and Computer Technology (ICETECT 2011)", Duration of the Conference : March 23-24, 2011 Conference Venue: : Kanyakumari,India	
2011	International conference	11. Title of paper : Low power, intelligent, wireless, home security system for the elderly people Authors: : egalingam, Rajesh Kannan; Nammily Nair, Ramesh; Manoj Prakhya, Sai, Mohan Mithun Name of the Conference: 3rd International Conference on Electronics Computer Technology (ICECT) Duration of the Conference : 8-10 April, 2011 Proceedings Published By: IEEE Xplorer Digital Object Identifier: 10.1109/ICECTECH.2011.5941913	

2011	International conference	12. Title of paper : Automated Wireless Carpooling System for an Eco-Friendly Travel Authors: : Rajesh Kannan Megalingam, Ramesh Nammily Nair, Vineeth Radhakrishnan Name of the Conference: : 3rd International Conference on Electronics Computer Technology (ICECT) Duration of the Conference : 8-10 April, 2011 Proceedings Published By: IEEE Xplorer Digital Object Identifier: 10.1109/ICECTECH.2011.5941913	
2011	International conference	13. Title of paper : Advanced digital smart meter for dynamic billing, tamper detection and consumer awareness Authors: : Rajesh Kannan Megalingam, Ashok Krishnan, Bharat K Ranjan, Amar K Nair Name of the Conference: 3rd International Conference on Electronics Computer Technology (ICECT) Duration of the Conference : 8-10 April, 2011 Proceedings Published By: IEEE Xplorer Digital Object Identifier 10.1109/ICECTECH.2011.5941927	
2011	International conference	14. Title of paper : Indigenous mote design for wireless patient monitoring station Authors: : Rajesh Kannan; Mohan, Vineeth; Mohanan, Ajay; Leons, Paul; Shooja, Rizwin Name of the Conference: International Conference & Workshop on Emerging Trends in Technology	

		Duration of the Conference : Feb 25 – 26, 2011 Proceedings Published By: ACM Digital Library, ISBN 978-1-4503-0449-8	
2011	International conference	15. Title of paper : Automated voice based home navigation system for the elderly and the physically challenged Authors: Megalingam, Rajesh Kannan; Nammily Nair, Ramesh; Manoj Prakhya, Sai Name of the Conference: 13th International Conference on Advanced Communication Technology (ICTACT) Duration of the Conference : 13-16 Feb. 2011 Proceedings Published By: 13-16 Feb. 2011, IEEE Xplorer	
2011	International conference	16. Title of paper : Advanced network based wireless, single PMS for multiple-patient monitoring Authors: Rajesh Kannan Megalingam, Vineeth R, Deepak krishnan M.U, Akhil K.S and Denny C Jacob Name of the Conference: 13th International Conference on Advanced Communication Technology (ICTACT) Duration of the Conference : 13-16 Feb. 2011 Proceedings Published By: 13-16 Feb. 2011, IEEE Xplorer	
2011	International conference	17. Title of paper : Analysis Of Low Power Open Core Protocol Compliant Memory Interface Using VHDL" Authors: : Rajesh Kannan Megalingam, Vineeth R, Deepak krishnan M.U, Akhil K.S and Denny C Jacob	

		Name of the Conference: 13th International Conference on Advanced Communication Technology (ICACT) Duration of the Conference : 13-16 Feb. 2011 Proceedings Published By: 13-16 Feb. 2011, IEEE Xplorer	
2011	International conference	18. Title of paper : A Low Cost Scheme for Tracking the Lives Buried in Landslides Authors: : Krishnakumar M., Pramod K. V., Geethu R. S. Name of the Conference: : NATIONAL CONFERENCE ON COMPUTATIONAL SCIENCE & ENGINEERING (NCCSE 2011) Duration of the Conference : Feb 4, 2011 - Feb 5, 2011 Conference Venue: : Cochin Proceedings Published By: published as a special issue with IJCA	
2011	International conference	19..Title of paper : Lossless Compression and Complexity of Chaotic Sequences Authors: Nithin Nagaraj, Mathew Shaji Kavalekalam, Arjun Venugopal T., and Nithin Krishnan Name of the Conference: NATIONAL CONFERENCE ON COMPUTATIONAL SCIENCE & ENGINEERING (NCCSE 2011) Duration of the Conference : January 27-30, 2011. Conference Venue: Bharathidasan	

		University, Tiruchirapalli, Tamil Nadu	
2011	International conference	20. Title of paper : A VLSI Implementation of High Resolution, Direct Digital Synthesizer in FPGA Authors: Ramesh Bhakthavatchalu, Arun K.S, Nithin.K.R, Rahul Remanan Name of the Conference: The 2011 3rd International Conference on Computer Modeling and Simulation (ICCMS 2011) Duration of the Conference : January 7-9, 2011 Conference Venue: Mumbai, India	
2011	International conference	21. Title of paper : Reconfigurable Cryptographic Processor for Multiple Crypto-Algorithms Authors: : Megalingam, R.K.; Joseph, I.P.; Gautham, P.; Parthasarathy, R.; Deepu, K.B.; Nair, M.M. Name of the Conference: 2011 IEEE Students' Technology Symposium Duration of the Conference : 14-16 January, 2011 Conference Venue: : Cancun, Mexico Proceedings Published By: IEEE Computer Society, Identifier: 978-0-7695-4314-	
		YEAR 2010	
2010	International journal	1. Title of the Paper: Comparative Study on Performance of Novel,Robust Spatial Domain Digital Image Watermarking with DCT Based Watermarking Authors: Rajesh Kannan Megalingam, Mithun Muralidharan Nair, Rahul Srikumar, Venkat Krishnan, Balasubramanian and Vineeth Sarma Venugopala Sarma Name of the Journal: International Journal of Computer Theory and Engineering	

		Month and Year of Publication: August, 2010 Volume No. Vol. 2, No. 4 Pages 1793-8201	
2010	International journal	2. Title of the Paper: Radiation Properties of Microstrip Patch Antenna on GaAs substrate for Intra-Chip Wireless Communications Authors: Rajeswari P and Dr.Jayakumar M Name of the Journal: International Journal of Electronic Networks, Devices and Fields(IJENDF) Month and Year of Publication: August 2010 Volume No. .ISSN 0974-2182 Volume 2, Number 1 (2010) Pages .pp. 15--24	
2010	International journal	3. Title of the Paper: Source Separation of Heartbeat Authors: Krishnakumar M., Pramod K. V., Geethu R. S Name of the Journal: MES JTM ISSN 0976-3724, Month and Year of Publication: November 2010 Volume No. Vol1 Pages .pp. 15--24	
2010	International journal	4. Title of the Paper: How Not to Share a Set of Secrets Authors: Sahasranand K. R., Nithin Nagaraj, Rajan S Name of the Journal: , International Journal of Computer Science and Information Security (IJCSIS) Month and Year of Publication: Apr. 2010 Volume No. 8, No.1 Pages pp. pp. 234-237	
2010	International conference	5. Title of paper : "A Comparison of TBA and TRA Test Architectures for SoC	

		Designs Authors: Ramesh Bhakthavatchalu, Arathi V Nair Name of the Conference: 2010 International Conference on Future Industrial Engineering and Application (ICFIEA 2010) Duration of the Conference : December 17-18, 2010 Conference Venue: Hong kong, China Proceedings Published By:	
2010	International conference	6. Title of paper : Implementation of Low Power Open Core Protocol Compliant Memory System" Authors: : Ramesh Bhakthavatchalu and Deepthy GR Name of the Conference: 2010 International Conference on Future Industrial Engineering and Application (ICFIEA 2010) Duration of the Conference : December 17-18, 2010 Conference Venue: Hong kong, China.	
2010	International conference	7. Title of paper : Low Power Design Techniques Applied to Pipelined Parallel and Iterative CORDIC Design Authors: Ramesh Bhakthavatchalu and Parvathi Nair Name of the Conference: 2010 International Conference on Future Industrial Engineering and Application (ICFIEA 2010) Duration of the Conference : December 17-18, 2010 Conference Venue : Hong kong, China.	

2010	International conference	8. Title of paper : Low Power Dual Core Microcontroller Authors: Rajesh Kannan Megalingam, Ashwin Mohan, Shekhil Hassan Thavalengal, Tanmay Muralidhar Rao, Vivek Periyé Name of the Conference: International Conference on Reconfigurable Computing Duration of the Conference : December 13-15,2010 Conference Venue: Cancun, Mexico Proceedings Published By: IEEE Computer Society, Identifier: 978-0-7695-4314-7	
2010	International conference	9. Title of paper : Low Power Single Core CPU for Dual Core Microcontroller Authors: Rajesh Kannan Megalingam, Ashwin Mohan, Shekhil Hassan Thavalengal, Tanmay Muralidhar Rao, Vivek Periyé Name of the Conference: International Conference on Reconfigurable Computing Duration of the Conference : December 13-15,2010 Conference Venue: Cancun, Mexico	
2010	International conference	10. Title of paper : Real time, Remote, Non invasive, Home based, Elderly Monitering System Authors: : : Rajesh Kannan Megalingam, Vineeth R, Deepak krishnan M.U, Akhil K.S and Denny C Jacob Name of the Conference: ICST Conference on Wireless Mobile Communication and Healthcare Duration of the Conference : 18-20 Oct, 2010 Conference Venue: :Ayia Napa, Cyprus	

		Proceedings Published By: Springer LNICST, Volume 55, Part 11	
2010	International conference	11. Title of paper : “ A VLSI implementation and analysis of cryptographic algorithms for security and privacy in communication networks Authors: : Megalingam, Rajesh Kannan; Gopakumar, Gayathri; Luke, Deepthi; Jyothi, K S; Ajit, Anju; Name of the Conference: 2nd International Conference on Mechanical and Electrical Technology (ICMET), 2010 Proceedings Published By: IEEE Xplorer Digital Object Identifier: 10.1109/ICMET.2010.5598413, Publication Year: 2010	
2010	International conference	12. Title of paper : Wireless Sensor Network for Vehicle Speed Monitoring and Traffic Routing System Authors: : Megalingam, Rajesh Kannan; Mohan, Vineeth; Mohanan, Ajay; Leons, Paul; Shooja, Rizwin Name of the Conference: 2nd International Conference on Mechanical and Electrical Technology (ICMET) Proceedings Published By: IEEE Xplorer Digital Object Identifier: 10.1109/ICMET.2010.5598438 Publication Year: 2010	
2010	International conference	13. Title of paper : Autonomous Smart Server Guard for advanced safety measure using wireless mobile technology Authors: : Kannan Megalingam, Rajesh; Radhakrishnan, Vineeth; Krishnan Melepurath Unnikrishnan, Deepak; Chakko Jacob, Denny; Kakkanattu Sudhakaran, Akhil Name of the Conference: 2nd International Conference on Mechanical and Electrical Technology (ICMET)	

		Proceedings Published By: IEEE Xplorer Digital Object Identifier: 10.1109/ICMET.2010.5598441 Publication Year: 2010	
2010	International conference	14. Title of paper : Wireless vehicular Accident Detection and Reporting System Authors: : Megalingam, Rajesh Kannan; Nammily Nair, Ramesh; Manoj Prakhya, Sai Name of the Conference: 2nd International Conference on Mechanical and Electrical Technology (ICMET) Proceedings Published By: IEEE Xplorer, Digital Object Identifier: 10.1109/ICMET.2010.5598437 Publication Year: 2010	
2010	International conference	15. Title of paper : Power-Efficient Cache Design Using Dual-Edge Clocking Scheme in Sun OpenSPARC T1 and Alpha AXP Processors Authors: : Megalingam, Rajesh Kannan; Krishna, Prasanth; somarajan, Pratheesh; Pillai, Vishnu A; Ul Hakkim, Reswan Name of the Conference: 2nd International Conference on Mechanical and Electrical Technology (ICMET) Proceedings Published By: : IEEE Xplorer Digital Object Identifier: 10.1109/ICMET.2010.5598409, Publication Year: 2010	
2010	International conference	16. Title of paper : Extraction of license plate region in Automatic License Plate Recognition Authors: : Megalingam, Rajesh Kannan; Krishna, Prasanth; somarajan, Pratheesh; Pillai, Vishnu A; Ul Hakkim, Reswan Name of the Conference: 2nd International Conference on Mechanical and Electrical Technology (ICMET)	

		Proceedings Published By: IEEE Xplorer Digital Object Identifier: 10.1109/ICMET.2010.5598409, Publication Year: 2010	
2010	International conference	17. Title of paper : Power-Efficient Cache Design Using Dual-Edge Clocking Scheme in Sun OpenSPARC T1 and Alpha AXP Processors Authors: : Megalingam, Rajesh Kannan; Krishna, Prasanth; somarajan, Pratheesh; Pillai, Vishnu A; Ul Hakkim, Reswan Name of the Conference: 2nd International Conference on Mechanical and Electrical Technology (ICMET) Proceedings Published By: IEEE Xplorer Digital Object Identifier: 10.1109/ICMET.2010.5598409, Publication Year: 2010	
2010	International conference	18. Title of paper : Power Consumption Analysis of Direct, Set Associative and Phased Set Associative Cache Organizations in Alpha AXP 21064 Processo Authors: Kannan, Megalingam Rajesh; Arunkumar, M.; Ashok, V. Arjun Name of the Conference: Information Processing and Management (2010) Proceedings Published By: Published in Information Processing and Management (2010) 70, Springer LNCS: 108-113	
2010	International conference	19. Title of paper : Serializing the Data Bus of the Sun OpenSPRAC T1 Microprocessor Datapath for Reduced Power Consumption Authors: Rajesh Kannan Megalingam, Venkat Krishnan Balasubramanian, Vineeth Sarma Venugopala Sarma, Mithun Mohan and Rahul Srikumar Name of the Conference: International Conference & Workshop On Emerging Trends In Technology 2010	

		Proceedings Published By: ACM SIGART & SIGARCH in ACM Digital Library, ISBN: 978-1-60558-812-4	
2010	International conference	20. Title of paper : Low Power Analysis of DLX processor Datapath using a Novel clocking Scheme Authors: Rajesh Kannan Megalingam, Vivek Periyé, Ashwin Mohan, Shekhil Hassan and Tanmay Rao Name of the Conference: International Conference & Workshop On Emerging Trends In Technology 2010 Proceedings Published By: ACM SIGART & SIGARCH in ACM Digital Library, ISBN: 978-1-60558-812-4	
2010	International conference	21. Title of paper : Low Power ‘PayPower’ Automatic Electronic Vending Machine using PIC 16F877A Authors: Rajesh Kannan Megalinga, Vineeth Mohan, Ajay Mohanan, Paul Leons Name of the Conference: International Conference on Computer and Electrical Engineering Proceedings Published By: WASET Volume 62, Page(s): 654 - 658, ISSN: 2070-3724	
2010		22. Title of paper : Low Power Password Entry Module using PIC16f877A Authors: : Rajesh Kannan Megalingam, Anoop N G, Vishnu Vidyan Name of the Conference: International Conference on Computer and Electrical Engineering Proceedings Published By: WASET Volume 62, ISSN: 2070-3724	
2010	International conference	23. Title of paper : Performance Comparison of Novel, Robust Spatial Domain Digital Image Watermarking with the Conventional Frequency Domain	

		Watermarking Techniques Authors: Megalingam, R.K.; Nair, M.M.; Srikumar, R.; Balasubramanian, V.K.; Sarma, V.S.V Name of the Conference: International Conference on Signal Acquisition and Processing, ICSAP Proceedings Published By: IEEE Xplorer Digital Object Identifier: 10.1109/ICSAP.2010.79	
		YEAR 2009	
2009	International journal	Title of the Paper: Electrical Characterization and Reliability Analysis of HfO₂-TiO₂-Al MOSCAPs Authors: Shibesh Dutta, Sivaramakrishnan R., Sundar Gopalan and Balakrishnan Shankar Name of the Journal: World Academy of Science, Engineering and Technology Month and Year of Publication: 2009 Volume No. 58 Page No. 92-94	
2009	International conference	1. Title of paper : Power Aware Automatic Microcontroller Based Smart, College Electric Bell System with Time Display Authors: Megalingam, Rajesh Kannan; Balasubramanian, Venkat Krishnan; Nair, Mithun Muralidharan; Sarma, Vineeth Sarma Venugopala; Srikumar, Rahul Name of the Conference: Fifth International Conference on MEMS, NANO, and Smart Systems (ICMENS), 2009 Proceedings Published By: IEEE Xplorer Digital Object Identifier: 10.1109/ICMENS.2009.41, Publication Year: 2009	
2009	International conference	2. Title of paper : Low Power Microcontroller Based Simple Smart Token Number Display System Authors: : Megalingam, Rajesh Kannan;	

		P.S., Sreenath; Soman, Devidayal; P.A., Jessin; S., Srikanth Name of the Conference: Fifth International Conference on MEMS, NANO, and Smart Systems (ICMENS), 2009 Proceedings Published By: IEEE Xplorer Digital Object Identifier: 10.1109/ICMENS.2009.41, Publication Year: 2009	
2009	International conference	3. Title of paper : Low Power Consumption Coarse Grained Reconfigurable Adder Authors: Megalingam, Rajesh Kannan; P.S., Sreenath; Soman, Devidayal; P.A., Jessin; S., Srikanth Name of the Conference: Fifth International Conference on MEMS, NANO, and Smart Systems (ICMENS), 2009 Proceedings Published By: IEEE Xplorer Digital Object Identifier: 10.1109/ICMENS.2009.42, Publication Year: 2009	
2009	International conference	4. Title of paper : Hardware Implementation of Low Power, High Speed DCT/IDCT Based Digital Image Watermarking Authors: Megalingam, R.K.; Venkat, K.B.; Vineeth, S.V.; Mithun, M.; Srikumar, R Name of the Conference: International Conference on Computer Technology and Development, 2009. ICCTD '09 Proceedings Published By: IEEE Xplorer Volume: 1 Digital Object Identifier: 10.1109/ICCTD.2009.195 Publication Year: 2009	
2009	International conference	5. Title of paper : Novel Low Power, High Speed Hardware Implementation of	

		1D DCT/IDCT Using Xilinx FPGA Authors: Megalingam, R.K.; Venkat, K.B.; Vineeth, S.V.; Mithun, M.; Srikumar, R Name of the Conference: International Conference on Computer Technology and Development, 2009. ICCTD '09 Proceedings Published By: IEEE Xplorer Volume: 1 Digital Object Identifier: 10.1109/ICCTD.2009.195 Publication Year: 2009	
2009	International conference	6. Title of paper : Gating and Serializing the Data Path of CPU for Low Power Consumption Authors: Megalingam, R.K.; Hassan, T.S.; Vivek, P.; Mohan, A.; Rao, M.T Name of the Conference: 2nd IEEE International Conference on Computer Science and Information Technology, 2009. ICCSIT 2009 Proceedings Published By: IEEE Xplorer; Digital Object Identifier: 10.1109/ICCSIT.2009.5234658; Publication Year: 2009	
		7. Title of paper : Power Consumption Reduction in CPU Datapath using a Novel Clocking Scheme Authors: Megalingam, R.K.; Hassan, T.S.; Vivek, P.; Mohan, A.; Rao, M.T Name of the Conference: 2nd IEEE International Conference on Computer Science and Information Technology, 2009. ICCSIT 2009 Proceedings Published By: IEEE Xplorer; Digital Object Identifier: 10.1109/ICCSIT.2009.5234658; Publication Year: 2009	
2009	International conference	8. Title of paper : Highly Power Efficient, Uncompromised Performance Cache Design Using Dual-Edged Clock Authors: Megalingam, R.K.; Hassan, T.S.; Vivek, P.; Mohan, A.; Rao, M.T	

		Name of the Conference: 2nd IEEE International Conference on Computer Science and Information Technology, 2009. ICCSIT 2009 Proceedings Published By: IEEE Xplorer Digital Object Identifier: 10.1109/ICCSIT.2009.5234660 Publication Year: 2009	
2009	International conference	9. Title of paper : Phased Set Associative Cache Design For Reduced Power Consumption Authors: Megalingam, R.K.; Deepu, K.B.; Joseph, I.P.; Vikram, V. Name of the Conference: 2nd IEEE International Conference on Computer Science and Information Technology, 2009. ICCSIT 2009 Proceedings Published By: IEEE Xplorer; Digital Object Identifier: 10.1109/ICCSIT.2009.5234663; Publication Year: 2009	
2009	International conference	10. Title of paper : Low Power Lossless Compression Of Real Time Mpeg4 Video Encoding And Decoding Using Vhdl And Matlab Authors: Prasad, A.; Krishnan, K.; Karthika; Parvathy; Megalingam, R.K.; Name of the Conference: : 2nd IEEE International Conference on Computer Science and Information Technology, 2009. ICCSIT 2009 Proceedings Published By: IEEE Xplorer; Digital Object Identifier: 10.1109/ICCSIT.2009.5234530, Publication Year: 2009	
		Year 2008	
2008	International conference	1. Title of paper : A Dynamic Real Time Crypto Engine Implementation for Secure Channel Communication Authors :Rajesh Kannan Megalingam	

		Name of the Conference: ICSIM-2009 Conference Venue: Indian Institute of Management, Ahmedabad, India.	
2008	International conference	2. Title of paper : Mesh-Tree Topology for Vehicular Networks Authors : Sriram, Jayaraj, Amit, Sudarsan Name of the Conference: Tridentcom conference Conference Venue: Washington D.C., USA	
2008	International conference	3. Title of paper : Effects Of Substrate Coupling In Mixed Signal Ics Authors : Sriram, Jayaraj, Amit, Sudarsan Name of the Conference: Tridentcom conference Proceedings Published By: Conference Venue: Washington D.C., USA	
2008	International conference	4. Title of paper : A Comparative Study of CMOL Technology and FPNI Technology Authors : Rajesh kannan Name of the Conference: SCOReD 2008 Conference venue: University Teknologi, Malaysia	
2008	International conference	5. Title of paper : High Speed and High Responsivity CMOS Image Sensors Authors : Rajesh Kannan Megalingam Name of the Conference: SCOReD 2008 Conference venue: University Teknologi, Malaysia	

I. International Conference Proceedings

1	Title: Automatic Segmentation of MR Brain Images Jyothisha J Nair, V K Govindan Name of the Conference: International Conference on Communication, Computing and Security Duration of the Conference: Feb 12-15, 2011. Organizer: NIT Rourkela. Authors: Name of the
2	Title: Speckle noise reduction using fourth order complex diffusion based homomorphic filter Authors: Jyothisha J Nair, V K Govindan Name of conference: Advances in Computing and Information Technology July,2012
3	Title : Prediction of candidate genes for neuropsychiatric disorders using feature-based enrichment Authors: Binqing Xie, Gady Agam, Dinanath Sulakhe, Natalia Maltsev, Bhadrachalam Chitturi, T. Conrad Gilliam Name of the Conference: BCB Page No:564-566 Proceedings Published By: ACM
4	Title : Gesture Recognition of Indian sign Language Alphabets and Numerals using polygon Approximation Author: Geetha M Name of Conference: IEEE International Conference on Technology for Education Organizer: IIT Madras July 14-16 2011
5	Title : Small Disaster Relief Robots With Swarm Intelligent Routing Author: Lakshmi Nambiar M, Subramaniam Ganesan Oakland University,Rochester, MI, USA Name of the conference: ACWR 2011, Organizer: AVVP, Amritapuri Campus Dec 21,2011
6	Title : Identification of replica node in Wireless Sensor Network Authors: Lekshmi S Nair Name of the conference: ADCOM,2012,December 2012
7	Title: Optimal Replacement Policy of Services Based on Markov Decision Process Authors: Sandhya, N.C. Narendra Name of the Conference: 2009, IEEE International conference on Services Computing Duration of the Conference: 21-25 Sep, 2009 Page No: 176-183 Proceedings Published By: Services Computing 2009, IEEE Xplore, ACM Digital Library
8	Title: Detection of moving cast shadows using edge information Author(s): Panicker, J.Vinitha Name of the Conference: International Conference on Computer and Automation Engineering (ICCAE) Duration of the Conference: 26-28 Feb. 2010 Name of the Organizer: IEEE Conference Venue: Singapore Page No: Vol 5, 817 - 821 Proceedings Published By: IEEE Xplore and indexed by Ei Compendex and ISI Proceeding(ISTP).
9	Title: C2L: A Formal Policy Language for Secure CloudConfigurations

	Authors: poroor, Jayaraj; Jayaraman, Bharat Name of the conference: 3rd International conference on Ambient Systems, Networks, and Technologies,(ANT), Ontario, Canada, 2012.
10	Title: Formal Specification and Verification of Vehicular Handoff using π-calculus Authors: Poroor, Jayaraj; Jayaraman, Bharat; , Name of the conference: International Conference on Wireless Technologies for Humanitarian Relief, Dec 2011. Page 6 of 7
11	Title: JPermit: Usable and Secure Registration of Guest-Phones into Enterprise VoIP Network, Authors: Lakshmi, R. Vidya; Krishnan, Divya; S., Parvathy; K., Vishnudatha; Poroor, Jayaraj; Dhar, Amit; Name of the conference: , InternationalConference on Advances in Computer Engineering (ACE), 2010 , vol., no., pp.115-119, 20-21 June 2010
12	Title: SmartWhisper: Automated collaborative authentication with minimal human intervention in Secure Wireless Enterprise 802.11 Networks Authors: Jayaraj Poroor, Amit Dhar, Name of the conference :IEEE Workshop on Collaborative Security Technologies (Cosec '09), Bangalore, India.
13	Title: uVoIP: Cross-layer optimization of buffer operations for providing secure VoIP services on constrained embedded devices Authors: Dinil D, Aravind P, Thothadri Rajesh, Aravind P, Anand R, Jayaraj Poroor, Name of the conference: The First International Conference on Networks & Communications (NetCom 2009),Chennai, India.
14	Title: Fast dual-radio cross-layer handoffs in multi-hop infrastructure-mode 802.11 Wireless Networks for in-vehicle multimedia infotainment Authors: Jayaraj Poroor, Sriram Karunakaran, Sudharsan Sundararajan, Ranjith Pillai, Name of the conference: nternational Symposium on Advanced Networks and Telecommunications Systems (ANTS 2008), Mumbai, pp. 1-3. This paper won the Best Paper Honorable Mention award.
15	Title: Mesh-Tree Topology for Vehicular Networks, Auhtors: Sriram Karunakaran, Sudharsan Sundararajan, Jayaraj Poroor, Amit Dhar and Ranjith Pillai, Name of the conference: Workshop on Experimental Evaluation and Deployment Experiences on Vehicular networks (WEEDEV 2009), April 2009, Washington DC.
16	Title of the Paper: Kinect Based Wireless Robotic Coconut Tree Climber Authors: Rajesh Kannan Megalingam, Ashish Pavan, Tom Charly, Harikrishna Menon, Anandkumar and Venu Madhav Name of the Conference: 3rd International Conference on Advancements in Electronics and Power Engineering (ICAEPE'2013) Duration of the Conference: Jan 8 – 9,2013 Name of the Organizer: PSRC(Planeteray scientific research centre) Conference Venue: Kuala Lumpur, Malaysia

	Proceedings Published By: ISSN 0973-4562 Vol.7 No.11 (2012)
1 7	Title of the paper: Thought Controlled Wheelchair using EEG Acquisition Device Authors: Rajesh Kannan Megalingam, Athul Asokan Thulasi, Rithun Raj, Manoj Katta Venkata, Uday Dutt and Ajithesh Gupta Name of the Conference: 3rd International Conference on Advancements in Electronics and Power Engineering (ICAEPE'2013) Duration of the Conference: Jan 8 – 9,2013 Name of the Organizer: PSRC(Planeteray scientific research centre) Conference Venue: Kuala Lumpur, Malaysia Page No: Proceedings Published By:
1 8	Title of the Paper: Measurement of Elder Health Parameters and the Gadget Designs for Continuous Monitoring Authors: Rajesh Kannan Megalingam, Goutham Pocklassery, Vivek Jayakrishnan, Rocky Katoch, Pranav Sridhara Veliyara and Raghavendra Name of the Conference: 3rd International Conference on Advancements in Electronics and Power Engineering (ICAEPE'2013) Duration of the Conference: Jan 8 – 9,2013 Name of the Organizer: IEEE kochi subsection ,IEEE kerala section & IEEE india cuncil Conference Venue: Kuala Lumpur, Malaysia Page No: Proceedings Published By:
1 9	Title of the Paper: Undergraduate Research Experience: A Case Study at ECE Department of Amrita University Authors: Rajesh Kannan Megalingam and Ananthakrishnan Rajendran Name of the Conference: INDICON 2012 Duration of the Conference: Dec 7 – 9, 2012 Name of the Organizer: IEEE kochi subsection ,IEEE kerala section & IEEE india cuncil Conference Venue: Kochi, Kerala, India. Page No: Proceedings Published By:
2 0	Title of the Paper: HOPE: An electronic gadget for Home-bound Patients and Elders Authors: Rajesh Kannan Megalingam, Vineeth Radhakrishnan, Deepak M U, Denny C Jacob Name of the Conference: INDICON 2012

	Duration of the Conference: Dec 7 – 9, 2012 Name of the Organizer: IEEE kochi subsection ,IEEE kerala section & IEEE india council Conference Venue: Kochi, Kerala, India. Page No: Proceedings Published By:
2 1	Title of the Paper: LARN: Implementation of Automatic Navigation in Indoor Navigation for Physically Challenged Authors: Rajesh Kannan Megalingam, Ananthakrishnan Rajendran.; Dileep, D Name of the Conference: INDICON 2012 Duration of the Conference: Dec 7 – 9, 2012 Name of the Organizer: IEEE kochi subsection ,IEEE kerala section & IEEE india council Conference Venue: Kochi, Kerala, India. Page No: Proceedings Published By:
2 2	Title of the paper: Elder Health Care: Blood Pressure Measurement Authors: Rajesh Kannan Megalingam, Goutham Pocklassery, Vivek Jayakrishnan, Galla Mourya Name of the Conference: INDICON 2012 Duration of the Conference: Dec 7 – 9, 2012 Name of the organizer: IEEE kochi subsection ,IEEE kerala section & IEEE india council Conference Venue: Kochi, Kerala, India. Page No: Proceedings Published By:
2 3	Title of the Paper:Implementation of DES using pipelining concept with skew core key scheduling in secure transmission of images. Authors: K. Praveen, Prabakaran Poornachandran, A. S. Remya Ajai Name of the Conference: Conference on Computational Science, Engineering and Information Technology (CCSEIT'12) Duration of the Conference: 26-28 October 2012 Name of the Organizer:Avinashalingam University,Coimbatore Conference Venue: Coimbatore Page No: 637-641 Proceedings Published By:ACM , ISBN: 978-1-4503-1310-0 doi>10.1145/2393216.2393322

2 4	Title of the Paper: "Gest-BOT" - A Highly Convenient Locomotive Solution for the Elderly and Physically Challenged Authors: Megalingam, Rajesh Kannan; Nair, Ramesh Nammily; Prakhya, Sai Manoj; Mohan, Mithun Name of the conference: Global Humanitarian Technology Conference (GHTC) Duration of the conference: 21-24 October, 2012 Name of the Organizer: Conference Venue: Seattle, Washington, USA Page No: 350 – 355 Proceedings Published By: IEEE Xplorer. Digital Object Identifier: 10.1109/GHTC.2012.83 Publication Year: 2012
2 5	Title of the paper: Pedalite: Lighting up Lives in Un-electrified Villages Authors: Megalingam, Rajesh Kannan; Nair, Lekshmi M.; Viswanath, Meera; Sugathan, Shreeja Name of the conference: Global Humanitarian Technology Conference (GHTC) Duration of the conference: 21-24 October, 2012 Name of the organizer: Conference Venue: Seattle, Washington, USA Page No: 12 - 17 Proceedings Published By: IEEE Xplorer, Digital object Identifier:10.1109/GHTC.2012.61 Publication Year: 2012
2 6	Title of the Paper:Effective Implementation of DES Algorithm for Voice Scrambling Authors: Jinu Elizabeth John, A. S. Remya Ajai,Prabakaran Poornachandran Name of the Conference:International Conference on Security in Computer Networks and Distributed Systems (SNDS 2012) Duration of the Conference: 11-12 October 2012 Name of the Organizer: Indian Institute of Information Technology and Management - Kerala (IIITM-K) Conference Venue: Trivandrum Page No: 75-84 Proceedings Published By:Springer
2 7	Title of the Paper: Channel Modelling for Ad-Hoc Communication in an Underground Sensor Network Authors:Abishek Thekkeyil Kunnath AND Prasanth.M. Warriar Name of the Conference:ICCCNT 2012 Duration of the Conference: 26-28 JULY 2012

	Name of the Organizer:SNS college of enginnering
	Conference Venue:SNS college of enginnering
	Page No:
	Proceedings Published By:IEEE
28	Title of the Paper:When Information Meets Chaos: Applications of Symbolic Dynamics Authors:1. Nithin Nagaraj Name of the Conference:at Mini-Symposia on Time Series Analysis and Fractals, National Conference on Nonlinear Systems and Dynamics (NCNSD 2012), Duration of the Conference:14 July, 2012 Name of the Organizer: IISER Pune Conference Venue: IISER Pune Page No: Proceedings Published By:
29	Title of the Paper:Classification of Periodic, Chaotic and Random Sequences using NSRPS Complexity Measure Authors: Karthi Balasubramanian, Gayathri R Prabhu, Lakshmipriya VK, Maneesha Krishnan, Praveena R and Nithin Nagaraj Name of the Conference:National Conference on Nonlinear Systems and Dynamics (NCNSD 2012) Duration of the Conference:12 - 15 July, 2012 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:
30	Title of the Paper: A Proposal for Source Separation of Heartbeat Sounds and its FPGA Implementation Authors: Geethu R S, Sudhish N George, Krishnakumar M Name of the Conference: International Conference on Communication Systems and Network Technologies (CSNT 2012) Duration of the Conference: 10-14 May 2012 Name of the Organizer: MIR Labs Conference Venue: Rajkot - India. Page No: 755-758 Proceedings Published By: Conference Publishing Services (CPS)& papers available on IEEE Explore

3 1	Title of the Paper: VLSI Implementation of Burrows Wheeler Transform for Memory Reduced Distributed Arithmetic Architectures Authors: Remya A.S, Lintu Rajan, Shiny C Name of the Conference: Third International conference on advances in communication, network and computing. Duration of the Conference: 24-25 February 2012 Name of the Organizer: ACEEE Conference Venue: Chennai, India Page No: 242-245 Proceedings Published By: Springer, ISBN 978-3-642-35615-5
3 2	Title of the Paper: Efficient Patient Monitoring for Multiple Patients Using WSN Authors: Megalingam, Rajesh Kannan; Kaimal, Divya M.; Ramesh, Maneesha V Name of the Conference: International Conference on Advances in Mobile Network, Communication and its Applications (MNCAPPS) Duration of the Conference: 1-2 aug 2012 Name of the Organizer: Conference Venue: The Monarch Luxur, Bagalore, Page No: 87 - 90 Proceedings Published by: IEEE Explorer Digital Object Identifier: 10.1109/MNCApps.2012.23, Publication Year: 2012
3 3	Title of the Paper: EduPad - A tablet based educational system for improving adult literacy in rural India Authors: Megalingam, R.K.; Rajendran, A.P.; Solamon, A.T.; Dileep, D Name of the conference: IEEE International Conference on Technology Enhanced Education (ICTEE) Duration of the Conference: Jan 3 – 5, 2012 Name of the Organizer: Conference Venue: Amritapuri, India Page No: 1 - 5 Proceedings Published by: IEEE Explorer Digital Object Identifier: 10.1109/ICTEE.2012.6208630 Publication Year: 2012
3 4	Title of the Paper: Wireless Intelligent Gadget for Disaster Relief Authors: Rajesh Kannan Megalingam, Vineeth Radhakrishnan, Deepak M U, Denny C Jacob, Akhil K S Name of the Conference: International Conference on Wireless Technologies for Humanitarian Relief Duration of the conference: Dec 18-21, 2011

	Name of the Organizer: Conference Venue: Amritapuri, India Page No: 515-518 Proceeding Published by: ACM New York, NY, USA ©2011, ISBN: 978-1-4503-1011-6
3 5	Title of the Paper:A Novel Methodology for Memory Reduction in Distributed Arithmetic Based Discrete Wavelet Transform Authors:A. S. Remya Ajai,Nithin Nagaraj Name of the Conference:International Conference on Communication Technology and System Design 2011 Duration of the Conference:December 7-9,2011 Name of the Organizer: Amrita Vishwa Vidyapeetham, Coimbatore Conference Venue: Amrita Vishwa Vidyapeetham, Coimbatore Page No:226 – 233. Proceedings Published By:Procedia Engineering Vol. 30 (2012),Elsevier.Available on ScienceDirect. Indexed by Scopus and EI.
3 6	Title of the Paper: Assistive Technology for Elders: Wireless Intelligent Healthcare Gadget Authors: Rajesh Kannan Megalingam, Vineeth Radhakrishnan, Deepak M U, Denny C Jacob, Akhil K S Name of the conference: IEEE Global Humanitarian Technology Conference (GHTC) Duration of the conference: 30 October - 1 November 2011 Name of the Organizer: Conference Venue: Seattle, Washington, USA Page No: 296 - 300 Proceeding Published by: IEEE Xplorer. Digital Object Identifier: 10.1109/GHTC.2011.94 Publication Year: 2011
3 7	Title of the Paper: Smart Traffic Controller using Wireless Sensor Network for Dynamic Traffic Routing and Over Speed Detection Authors: Rajesh Kannan Megalingam, Vineeth Mohan, Ajay Mohanan, Paul Leons, Rizwin Shooja Name of the Conference: IEEE Global Humanitarian Technology Conference (GHTC) Duration of the conference: 30 October - 1 November 2011 Name of Organizer: Conference Venue: Seattle, Washington, USA Page No: 528 - 533 Proceedings Published by: IEEE Xplorer. Digital Object Identifier: 10.1109/GHTC.2011.99, Publication Year: 2011

3 8	Title of the Paper: Unconventional Indoor Navigation: Gesture Based Wheelchair Control Authors: Rajesh Kannan Megalingam, Sai Manoj Prakhya, Ramesh Nammily Nair, Mithun Mohan Name of the Conference: International Conference on Indoor Positioning and Indoor Navigation (IPIN'2011) Duration of the Conference: Sep 21 -23, 2011 Name of the Organizer: ETH ZURICH Conference Venue: Guimarães, Portugal Page No: Proceedings Published by:
3 9	Title of the Paper:Real-Time Automated Multiplexed Sensor System for Driver Drowsiness Detection Authors:Maneesha V Ramesh, Aswathy K Nair, Abishek T Kunnathu Name of the Conference:Wireless Communications, Networking and Mobile Computing (WiCOM), 2011 7th International Conference Duration of the Conference: 23-25 sept, 2011 Name of the Organizer:Universitat Pompeu Fabra, Barcelona Conference Venue:China Page No:4 Proceedings Published By:IEEE Xplore
4 0	Title of the Paper: 32-bit Reconfigurable Logic-BIST Design Using Verilog for ASIC Chips" Authors: Ramesh Bhakthavatchalu (AP/ECE), Deepthi G.R. (AP/ECE), Arun Krishnan, Sruthi.B, Sreenivasa Mallia S. and HariKrishnan R.(students/S6 ECE-B) Name of the Conference: 2011 IEEE Control & System Graduate Research Colloquium (ICSGRC) Duration of the Conference: June 27-28, 2011 Name of the Organizer: IEEE Malaysian Section Conference Venue: Shah Alam, Malaysia Page No: Proceedings Published By
4 1	Title of the Paper: Algorithm and Simulation of Spiking Neuron Network in FPGA" Authors: Ramesh Bhakthavatchalu (AP/ECE), Divya R.S, Gargi S (students/S4 M.Tech VLSI) Name of the Conference: 2011 IEEE Control & System Graduate Research Colloquium (ICSGRC) Duration of the Conference: June 27-28, 2011

	Name of the Organizer: IEEE Malaysian Section Conference Venue: Shah Alam, Malaysia Page No: Proceedings Published By
4 2	Title of the Paper: Microcontroller based Low power Scheduled Alarm System using USB interface Authors: Ramesh Bhakthavatchalu (AP/ECE), Arun Krishnan, Sruthi.B, Sreenivasa Mallia S., and HariKrishnan R. (students/S6 ECE-B). Name of the Conference:"2011 IEEE International Conference on Emerging Trends in Electrical and Computer Technology (ICETECT 2011)", Duration of the Conference:March 23-24, 2011 Name of the Organizer: IEEE Conference Venue: Kanyakumari,India Page No: 610 - 615 Proceedings Published By : Digital Object Identifier: 10.1109/ICETECT.2011.5760190
4 3	Title of the Paper: VLSI design of Low Power Open Core Protocol to I2C Bridge interface Authors: Ramesh Bhakthavatchalu and Deepthy GR (AP/ECE), Nisha V and Vidhya S (students/S4 M.Tech VLSI). Name of the Conference:"2011 IEEE International Conference on Emerging Trends in Electrical and Computer Technology (ICETECT 2011)", Duration of the Conference:March 23-24, 2011 Name of the Organizer: IEEE Conference Venue: Kanyakumari,India Page No: 357 - 362 Proceedings Published By: Digital Object Identifier: 10.1109/RAICS.2011.6069334
4 4	Title of the Paper: Low power, intelligent, wireless, home security system for the elderly people Authors: Megalingam, Rajesh Kannan; Nammily Nair, Ramesh; Manoj Prakhya, Sai, Mohan Mithun Name of the Conference: 3rd International Conference on Electronics Computer Technology (ICECT) Duration of the Conference: 8-10 April, 2011 Name of the Organizer: IACSIT, IEEE Conference Venue: Kanyakumari, India Page No: 320 - 324 Proceedings Published By: IEEE Xplorer Digital Object Identifier:

	10.1109/ICECTECH.2011.5941913
4 5	Title of the Paper: Automated Wireless Carpooling System for an Eco-Friendly Travel Authors: Rajesh Kannan Megalingam, Ramesh Nammily Nair, Vineeth Radhakrishnan Name of the Conference: 3rd International Conference on Electronics Computer Technology (ICECT) Duration of the Conference: 8-10 April, 2011 Name of the Organizer: IACSIT, IEEE Conference venue: Kanyakumari, India Page No: 325 – 329 Proceedings Published by: IEEE Xplorer Digital Object Identifier: 10.1109/ICECTECH.2011.5941913
4 6	Title of the Paper: Advanced digital smart meter for dynamic billing, tamper detection and consumer awareness Authors: Rajesh Kannan Megalingam, Ashok Krishnan, Bharat K Ranjan, Amar K Nair Name of the Conference: 3rd International Conference on Electronics Computer Technology (ICECT) Duration of the Conference: 8-10 April, 2011 Name of the Organizer: IACSIT, IEEE Conference Venue: Kanyakumari, India Page No: 389 - 393 Proceedings Published by: IEEE Xplorer Digital Object Identifier 10.1109/ICECTECH.2011.5941927
4 7	Title of the Paper: Indigenous mote design for wireless patient monitoring station Authors: Megalingam, Rajesh Kannan; Mohan, Vineeth; Mohanan, Ajay; Leons, Paul; Shooja, Rizwin Name of the Conference: International Conference & Workshop on Emerging Trends in Technology Duration of the Conference: Feb 25 – 26, 2011 Name of the Organizer: Conference Venue: Page No: Proceedings published by: ACM Digital Library, ISBN 978-1-4503-0449-8
4 8	Title of the Paper: Automated voice based home navigation system for the elderly and the physically challenged Authors: Megalingam, Rajesh Kannan; Nammily Nair, Ramesh; Manoj Prakhya, Sai Name of the Conference: 13th International Conference on Advanced Communication Technology (ICACT)

	Duration of the Conference: 13-16 Feb. 2011 Name of the Organizer: Communications Society - COM Conference venue: Phoenix Park Gangwon-Do, Korea (South) Page No: 603 - 608 Proceedings Published by: 13-16 Feb. 2011, IEEE Xplorer
49	Title of the Paper: Advanced network based wireless, single PMS for multiple-patient monitoring Authors: Rajesh Kannan Megalingam, Vineeth R, Deepak krishnan M.U, Akhil K.S and Denny C Jacob Name of the Conference: 13th International Conference on Advanced Communication Technology (ICACT) Duration of the Conference: 13-16 Feb. 2011 Name of the Organizer: Communications Society - COM Conference Venue: :Phoenix Park Gangwon-Do, Korea (South) Page No: 1587 - 1592 Proceedings Published by: 13-16 Feb. 2011, IEEE Xplorer
50	Title of the Paper: Analysis Of Low Power Open Core Protocol Compliant Memory Interface Using VHDL " Authors: Br.Ramesh Bhakthavatchalu, Ms.Deepthy G R, Vidya S, Nisha V Name of the Conference: 2011 International Conference On Digital Convergence" (ICDC 2011) Duration of the Conference: 19th - 20th of February 2011 Name of the Organizer: RMK Engineering College Conference Venue: RMK Engineering College, RSM Nagar, Kavaraipettai. Page No: 357 - 362 Proceedings Published By : IEEE Digital Object Identifier: 10.1109/RAICS.2011.6069334
51	Title of the Paper: A Low Cost Scheme for Tracking the Lives Buried in Landslides Authors: Krishnakumar M., Pramod K. V., Geethu R. S. Name of the Conference: NATIONAL CONFERENCE ON COMPUTATIONAL SCIENCE & ENGINEERING (NCCSE 2011) Duration of the Conference: Feb 4, 2011 - Feb 5, 2011 Name of the Organizer: Dept. of Computer Science & CSI Student Branch Rajagiri College of Social Sciences, Cochin Conference Venue: KALAMASSERY, COCHIN, Page No: 44-49

	Proceedings Published By: published as a special issue with IJCA
5 2	Title of the Paper: Lossless Compression and Complexity of Chaotic Sequences Authors: Nithin Nagaraj, Mathew Shaji Kavalekalam, Arjun Venugopal T., and Nithin Krishnan Name of the Conference: National Conference on Nonlinear Systems and Dynamics (NCNSD-2011) Duration of the Conference: January 27-30, 2011. Name of the Organizer: Conference Venue: Bharathidasan University, Tiruchirapalli, Tamil Nadu Page No: Proceedings Published By
5 3	Title of the Paper: A VLSI Implementation of High Resolution, Direct Digital Synthesizer in FPGA Authors: Ramesh Bhakthavatchalu, Arun K.S, Nithin.K.R, Rahul Remanan Name of the Conference: The 2011 3rd International Conference on Computer Modeling and Simulation (ICCMS 2011) Duration of the Conference: January 7-9, 2011 Name of the Organizer: Conference Venue: Mumbai, India Page No: Proceedings Published By
5 4	Title of the Paper: 2010 International Conference on Future Industrial Engineering and Application (ICFIEA 2010)", Authors: Ramesh Bhakthavatchalu, Arun Krishnan, Sruthi.B, Sreenivasa Mallia S., HariKrishnan R. Name of the Conference: 2010 International Conference on Future Industrial Engineering and Application (ICFIEA 2010) Duration of the Conference: December 17-18, 2010 Name of the Organizer: Conference Venue: Hong kong, China. Page No: Proceedings Published By
5 5	Title of the Paper: "A Comparison of TBA and TRA Test Architectures for SoC Designs Authors: Ramesh Bhakthavatchalu, Arathi V Nair Name of the Conference: 2010 International Conference on Future Industrial Engineering and Application (ICFIEA 2010)

	Duration of the Conference: December 17-18, 2010 Name of the Organizer: Conference Venue: Hong kong, China. Page No: Page No: Proceedings Published By
5 6	Title of the Paper: Implementation of Low Power Open Core Protocol Compliant Memory System" Authors: Ramesh Bhakthavatchalu and Deepthy GR Name of the Conference: 2010 International Conference on Future Industrial Engineering and Application (ICFIEA 2010) Duration of the Conference: December 17-18, 2010 Name of the Organizer: Conference Venue: Hong kong, China. Page No: Proceedings Published By
5 7	Title of the Paper: Low Power Design Techniques Applied to Pipelined Parallel and Iterative CORDIC Design Authors: Ramesh Bhakthavatchalu and Parvathi Nair Name of the Conference: 2010 International Conference on Future Industrial Engineering and Application (ICFIEA 2010) Duration of the Conference: December 17-18, 2010 Name of the Organizer: Conference Venue: Hong kong, China. Page No: Proceedings Published By
5 8	Title of the Paper: Reconfigurable Cryptographic Processor for Multiple Crypto-Algorithms Authors: Megalingam, R.K.; Joseph, I.P.; Gautham, P.; Parthasarathy, R.; Deepu, K.B.; Nair, M.M. Name of the Conference: 2011 IEEE Students' Technology Symposium Duration of the Conference: 14-16 January, 2011 Name of the Organizer: Conference Venue: IIT Kharagpur Page No: 204 - 210 Proceedings Published by: Digital Object Identifier: 10.1109/TECHSYM.2011.5783846

5 9	Title of the Paper: Low Power Dual Core Microcontroller Authors: Rajesh Kannan Megalingam, Ashwin Mohan, Shekhil Hassan Thavalengal, Tanmay Muralidhar Rao, Vivek Periyé Name of the Conference: International Conference on Reconfigurable Computing Duration of the Conference: December 13-15,2010 Name of the Organizer: Conference Venue: Cancun, Mexico Page No: 364-369 Proceedings Pulished by: IEEE Computer Society, Identifier: 978-0-7695-4314-7
6 0	Title of the Paper: Low Power Single Core CPU for Dual Core Microcontroller Authors: Rajesh Kannan Megalingam, Ashwin Mohan, Shekhil Hassan Thavalengal, Tanmay Muralidhar Rao, Vivek Periyé Name of the Conference: Third International Conference on Emerging Trends in Engineering & Technology (ICETET-10) Duration of the Conference: November 19-21, 2010 Name of the Organizer: Conference Venue: Birla Institute of Technology and Science, Pilani-K K Birla Goa Campus, India Page No: 791-796 Proceedings Published by: IEEE Computer Society, ISBN: 978-0-7695-4246-1
6 1	Title of the Paper: Real time, Remote, Non invasive, Home based, Elderly Monitering System Authors: Rajesh Kannan Megalingam, Vineeth R, Deepak krishnan M.U, Akhil K.S and Denny C Jacob Name of the conference: ICST Conference on Wireless Mobile Communication and Healthcare Duration of the Conference: 18-20 Oct, 2010 Name of the Organizer: Conference venue: Ayia Napa, Cyprus Page No: 263-270 Proceedings published by: Springer LNICST, Volume 55, Part 11
6 2	Title of the Paper: “ A VLSI implementation and analysis of cryptographic algorithms for security and privacy in communication networks Authors: Megalingam, Rajesh Kannan; Gopakumar, Gayathri; Luke, Deepthi; Jyothi, K S; Ajit, Anju; Name of the Conference: 2nd International Conference on Mechanical and Electrical Technology (ICMET), 2010 Duration of the conference: 2010

	Name of the Organizer: Conference venue: Page No: 521 - 525 Proceedings Published by: IEEE Xplorer Digital Object Identifier: 10.1109/ICMET.2010.5598413, Publication Year: 2010
6 3	Title of the paper: Wireless Sensor Network for Vehicle Speed Monitoring and Traffic Routing System Authors: Megalingam, Rajesh Kannan; Mohan, Vineeth; Mohanan, Ajay; Leons, Paul; Shooja, Rizwin Name of the Conference: 2nd International Conference on Mechanical and Electrical Technology (ICMET) Duration of the Conference: 2010 Name of the Organizer: Conference Venue: Page No: 631 – 635 Proceedings Published by: IEEE Xplorer Digital Object Identifier: 10.1109/ICMET.2010.5598438 Publication Year: 2010
6 4	Title of the Paper: Autonomous Smart Server Guard for advanced safety measure using wireless mobile technology Authors: Kannan Megalingam, Rajesh; Radhakrishnan, Vineeth; Krishnan Melepurath Unnikrishnan, Deepak; Chakko Jacob, Denny; Kakkanattu Sudhakaran, Akhil Name of the Conference: 2nd International Conference on Mechanical and Electrical Technology (ICMET) Duration of the Conference: 2010 Name of the organizer: Conference venue: Page No: 654 – 658 Proceedings Published by:), IEEE Xplorer Digital Object Identifier: 10.1109/ICMET.2010.5598441 Publication Year: 2010
6 5	Title of the Paper: Wireless vehicular Accident Detection and Reporting System Author: Megalingam, Rajesh Kannan; Nammily Nair, Ramesh; Manoj Prakhya, Sai Name of the Conference: 2nd International Conference on Mechanical and Electrical Technology (ICMET) Duration of the conference: 2010 Name of the Organizer: Conference Venue: Page no: 636 – 640 Proceeding Published by: IEEE Xplorer, Digital Object Identifier: 10.1109/ICMET.2010.5598437 Publication Year: 2010

6 6	Title of the Paper: Extraction of license plate region in Automatic License Plate Recognition Author: Megalingam, Rajesh Kannan; Krishna, Prasanth; somarajan, Pratheesh; Pillai, Vishnu A; Ul Hakkim, Reswan Name of the Conference: 2nd International Conference on Mechanical and Electrical Technology (ICMET) Duration of the Conference: 2010 Name of the organizer: Conference venue: Page No: 496 - 501 Proceedings Published by: IEEE Xplorer Digital Object Identifier: 10.1109/ICMET.2010.5598409, Publication Year: 2010
6 7	Title of the Paper: Power-Efficient Cache Design Using Dual-Edge Clocking Scheme in Sun OpenSPARC T1 and Alpha AXP Processors Authors: Kannan, Megalingam Rajesh; Deepu, K. B.; Iype, Joseph P. Name of the Conference: Information Processing and Management (2010) Duration of the Conference: January 1, 2010 Name of the Organizer: Conference Venue Page No:114-119 Proceedings Published by: Published in Information Processing and Management (2010) 70, Springer LNCS: 114-119
6 8	Title of the Paper: Power Consumption Analysis of Direct, Set Associative and Phased Set Associative Cache Organizations in Alpha AXP 21064 Processor Authors: Kannan, Megalingam Rajesh; Arunkumar, M.; Ashok, V. Arjun Name of the Conference: Information Processing and Management (2010) Duration of the conference: January 1,2010 Name of the Organizer: Conference Venue: Page No: 108-113 Proceedings Published by: Published in Information Processing and Management (2010) 70, Springer LNCS: 108-113
6 9	Title of the Paper: Serializing the Data Bus of the Sun OpenSPARC T1 Microprocessor Datapath for Reduced Power Consumption Authors: Rajesh Kannan Megalingam, Venkat Krishnan Balasubramanian, Vineeth Sarma Venugopala Sarma, Mithun Mohan and Rahul Srikumar Name of the Conference: International Conference & Workshop On Emerging Trends In Technology 2010 Duration of the conference: 2010 Name of the Organizer:

	Conference Venue: Page No: Proceedings Published by: ACM SIGART & SIGARCH in ACM Digital Library, ISBN: 978-1-60558-812-4
7 0	Title of the paper: Low Power Analysis of DLX processor Datapath using a Novel clocking Scheme Authors: Rajesh Kannan Megalingam, Vivek Periye, Ashwin Mohan, Shekhil Hassan and Tanmay Rao Name of the Conference: International Conference & Workshop On Emerging Trends In Technology 2010 Duration of the Conference: Name of the Organizer: Conference venue: Page No: Proceedings Published by: ACM SIGART & SIGARCH in ACM Digital Library, ISBN: 978-1-60558-812-4
7 1	Title of the Paper: Low Power 'PayPower' Automatic Electronic Vending Machine using PIC 16F877A Authors: Rajesh Kannan Megalinga, Vineeth Mohan, Ajay Mohanan, Paul Leons Name of the Conference: International Conference on Computer and Electrical Engineering Duration of the conference: 2010 Name of the Organizer: Conference venue: Page No: Proceeding Published by: WASET Volume 62, Page(s): 654 - 658, ISSN: 2070-3724
7 2	Title of the Paper: Low Power Password Entry Module using PIC16f877A Author: Rajesh Kannan Megalingam, Anoop N G, Vishnu Vidyan Name of the Conference: International Conference on Computer and Electrical Engineering Duration of the Conference: 2010 Name of the Organizer: Conference Venue: Page No: 649 - 653 Proceedings Published by: WASET Volume 62, ISSN: 2070-3724
7 3	Title of the Paper: Performance Comparison of Novel, Robust Spatial Domain Digital Image Watermarking with the Conventional Frequency Domain Watermarking Techniques

	Author: Megalingam, R.K.; Nair, M.M.; Srikumar, R.; Balasubramanian, V.K.; Sarma, V.S.V Name of the Conference: International Conference on Signal Acquisition and Processing, ICSAP Duration of the Conference: 2010 Name of the organizer: Conference venue: Page No: 349 - 353 Proceedings Published by: IEEE Xplorer Digital Object Identifier: 10.1109/ICSAP.2010.79 Publication Year: 2010
7 4	Title of the Paper: Power Aware Automatic Microcontroller Based Smart, College Electric Bell System with Time Display Authors: Megalingam, Rajesh Kannan; Balasubramanian, Venkat Krishnan; Nair, Mithun Muralidharan; Sarma, Vineeth Sarma Venugopala; Srikumar, Rahul Name of the Conference: Fifth International Conference on MEMS, NANO, and Smart Systems (ICMENS), 2009 Duration of the Conference: Name of the Organizer: Conference venue: Page No: 166 - 170 Proceedings Published by: IEEE Xplorer Digital Object Identifier: 10.1109/ICMENS.2009.41, Publication Year: 2009
7 5	Title of the Paper: Low Power Microcontroller Based Simple Smart Token Number Display System Authors: Megalingam, Rajesh Kannan; P.S., Sreenath; Soman, Devidayal; P.A., Jessin; S., Srikanth Name of the Conference: Fifth International Conference on MEMS, NANO, and Smart Systems (ICMENS), 2009 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: 171 - 175 Proceedings Published by: IEEE Xplorer Digital Object Identifier: 10.1109/ICMENS.2009.42, Publication Year: 2009
7 6	Title of the Paper: Low Power Consumption Coarse Grained Reconfigurable Adder Authors: 40. Megalingam, Rajesh Kannan; Popuri, G.; Ravisankar, P Name of the Conference: Second International Conference on Computer and Electrical Engineering, 2009. ICCEE '09 Duration of the Conference: 2009 Name of the Organizer:

	Conference Venue: Page No: 503 - 506 Proceedings Published by: IEEE Xplorer; Volume: 2; Digital Object Identifier: 10.1109/ICCEE.2009.195 Publication Year: 2009
7 7	Title of the Paper: Hardware Implementation of Low Power, High Speed DCT/IDCT Based Digital Image Watermarking Authors: Megalingam, R.K.; Venkat, K.B.; Vineeth, S.V.; Mithun, M.; Srikumar, R Name of the Conference: International Conference on Computer Technology and Development, 2009. ICCTD '09 Duration of the conference: 2009 Name of the Organizer: Conference Venue: Page No: 535 - 539 Proceedings Published by: IEEE Xplorer Volume: 1 Digital Object Identifier: 10.1109/ICCTD.2009.195 Publication Year: 2009
7 8	Title of the Paper: Novel Low Power, High Speed Hardware Implementation of 1D DCT/IDCT Using Xilinx FPGA Author: Megalingam, R.K.; Sarma V, V.; Krishnan B, V.; Mithun, M.; Srikumar, R. Name of the Conference: International Conference on Computer Technology and Development, 2009. ICCTD '09 Duration of the conference: 2009 Name of the organizer: Conference Venue: Page No: 530 - 534 Proceedings Published by: . IEEE Xplorer Volume: 1, Digital Object Identifier: 10.1109/ICCTD.2009.194, Publication Year: 2009
7 9	Title of the Paper: Gating and Serializing the Data Path of CPU for Low Power Consumption Authors: Megalingam, R.K.; Krishnan B, V.; Mithun, M.; Srikumar, R.; Sarma V, V Name of the Conference: International Conference on Parallel Processing Workshops, 2009. ICPPW '09 Duration of the Conference: 2009 Name of the Organizer: Conference venue: Page No: 550 - 557 Proceedings Published by: IEEE Xplorer Digital Object Identifier: 10.1109/ICPPW.2009.46, Publication Year: 2009
8 0	Title of the paper: Power Consumption Reduction in CPU Datapath using a Novel Clocking Scheme Authors: Megalingam, R.K.; Hassan, T.S.; Vivek, P.; Mohan, A.; Rao, M.T

	Name of the Conference: 2nd IEEE International Conference on Computer Science and Information Technology, 2009. ICCSIT 2009 Duration of the Conference: 2009 Name of the organizer: Conference venue: Page No:529 - 533 Proceedings Published by: IEEE Xplorer; Digital Object Identifier: 10.1109/ICCSIT.2009.5234658; Publication Year: 2009
8 1	Title of the Paper: Highly Power Efficient, Uncompromised Performance Cache Design Using Dual-Edged Clock Authors: Megalingam, R.K.; Krishnan, N.; Ashok, V.A.; Arunkumar, M. Name of the Conference: 2nd IEEE International Conference on Computer Science and Information Technology, 2009. ICCSIT 2009 Duration of the conference: 2009 Name of the Organizer: Conference Venue: Page No: 538 - 542 Proceedings Published by: IEEE Xplorer Digital Object Identifier: 10.1109/ICCSIT.2009.5234660 Publication Year: 2009
8 2	Title of the Paper: Phased Set Associative Cache Design For Reduced Power Consumption Authors: Megalingam, R.K.; Deepu, K.B.; Joseph, I.P.; Vikram, V. Name of the Conference: 2nd IEEE International Conference on Computer Science and Information Technology, 2009. ICCSIT 2009 Duration of the Conference: 2009 Name of the Organizer: Conference Venue: Page No: 551 - 556 Proceedings Published by: IEEE Xplorer; Digital Object Identifier: 10.1109/ICCSIT.2009.5234663; Publication Year: 2009
8 3	Title of the Paper: Low Power Lossless Compression Of Real Time Mpeg4 Video Encoding And Decoding Using Vhdl And Matlab Authors: Prasad, A.; Krishnan, K.; Karthika; Parvathy; Megalingam, R.K.; Name of the Conference: 2nd IEEE International Conference on Computer Science and Information Technology, 2009. ICCSIT 2009 Duration of the Conference: 2009 Name of the Organizer: Conference Venue: Page no: 408 – 412

	Proceedings Published by: IEEE Xplorer; Digital Object Identifier: 10.1109/ICCSIT.2009.5234530, Publication Year: 2009
84	Title of the Paper: A Dynamic Real Time Crypto Engine Implementation for Secure Channel Communication Authors: Rajesh Kannan Megalingam Name of the Conference: ICSIM-2009 Duration of the Conference: 2009 Name of the Organizers: Conference Venue: Indian Institute of Management, Ahmedabad, India. Page No: Proceedings Published by:
85	Title of the Paper: Mesh-Tree Topology for Vehicular Networks Authors: Sriram, Jayaraj, Amit, Sudarsan Name of the Conference: Tridentcom conference Duration of the Conference: April 6th, 2009 Name of the Organizer: IEEE Conference Venue: Washington D.C., USA Page No: Proceedings Published By
86	Title of the Paper: Effects Of Substrate Coupling In Mixed Signal Ics Author: Rajesh Kannan Megalingam Name of the Conference: SCOREd 2008 Duration of the Conference: 2008 Name of the Organizers: Conference venue: University Teknologi, Malaysia Page No: Proceedings Published by:
87	Title of the Paper: A Comparative Study of CMOL Technology and FPNI Technology Author: Rajesh Kannan Megalingam Name of the Conference: SCOREd 2008 Duration of the Conference: 2008 Name of the Organizers: Conference venue: University Teknologi, Malaysia Page No: Proceedings Published by:
88	Title of the paper: High Speed and High Responsivity CMOS Image Sensors Author: Rajesh Kannan Megalingam Name of the Conference: SCOREd 2008

	Duration of the Conference: 2008 Name of the Organizer: Conference venue: University Teknologi, Malaysia Page No: Proceedings Published by:
8 9	Title of the Paper: Effect of Surface Passivation on the Electrical Characterization of Ge/Al₂O₃/Al Moscaps Authors: Ragesh P., Sreehari G. S., and Sundar Gopalan Name of the Conference: International Conference on Electrical and Electronics Engineering (ICEEE- 2012) Duration of the Conference: Name of the Organizer: Conference Venue: Ahmedabad Page No: Proceedings Published By:

07/2013-06/2014				
2013-2014	National Conference (Proceedings)	1	Title of the Paper: <i>An isolated bi-directional converter with improved power conversion efficiency for DC distribution systems</i> Authors: Ms. Sruthy V & Ms. Sujitha Surendran Name of the Conference : TAP Energy 213 national conference Duration of the Conference: 4th to 6th July 2013 Name of the Organizer: Conference Venue: Amrita School of Engineering, Kollam Page No: Proceedings Published By: proceedings of "TAP Energy 213 national conference"	
2013-2014	National Conference (Proceedings)	2	Title of the Paper: <i>A charger for portable devices</i> Authors: Ms. Sreeleskshmi R S & Ms. Anjana Sivan Name of the Conference : TAP Energy 213 national conference Duration of the Conference: 4th to 6th July 2013 Name of the Organizer: Conference Venue: Amrita School of Engineering, Kollam Page No: Proceedings Published By: proceedings of "TAP Energy 213 national conference"	
2013-2014	National Conference (Proceedings)	3	Title of the Paper: <i>Control of DC-DC converter and inverter for stand alone solar photovoltaic plant</i> Authors: Mr. Sreejith Kailas & Ms. Anjali K Name of the Conference : TAP Energy 213 national conference Duration of the Conference: 4th to 6th July 2013 Name of the Organizer: Conference Venue: Amrita School of Engineering, Kollam Page No:	

			Proceedings Published By: proceedings of “TAP Energy 213 national conference	
2013-2014	National Conference (Proceedings)	4	Title of the Paper: <i>Effects of drainage power recovery on power quality</i> Authors: Dr. P. S. Chandramohan Nair, Ms. Preetha P. K., Ms. Sreehari G Nair & Ms. Karthika V S Name of the Conference : TAP Energy 213 national conference Duration of the Conference: 4th to 6th July 2013 Name of the Organizer: Conference Venue: Amrita School of Engineering, Kollam Page No: Proceedings Published By: proceedings of “TAP Energy 213 national conference	
2013-2014	National Conference (Proceedings)	5	Title of the Paper: Feasibility analysis of implementing DC distribution for industrial areas Authors Mr. Ravishankar A N & Mr. Muralikrishnan Name of the Conference : TAP Energy 213 national conference Duration of the Conference: 4th to 6th July 2013 Name of the Organizer: Conference Venue: Amrita School of Engineering, Kollam Page No: Proceedings Published By: proceedings of “TAP Energy 213 national conference	
2013-2014	National Conference (Proceedings)	6	Title of the Paper: <i>Evaluation of passive anti-islanding schemes for embedded generation</i> Authors: Ms. Asha C A & Mr. Balaji K M Name of the Conference : TAP Energy 213 national conference Duration of the Conference: 4th to 6th July 2013 Name of the Organizer:	

			Conference Venue: Amrita School of Engineering, Kollam Page No: Proceedings Published By: proceedings of "TAP Energy 213 national conference"	
2013-2014	National Conference (Proceedings)	7	Title of the Paper: <i>Soft switching techniques for high voltage gain in asymmetrical full bridge converter</i> Authors: Ms. Angel T S & Ms. Nayana G Nair Name of the Conference : TAP Energy 213 national conference Duration of the Conference: 4th to 6th July 2013 Name of the Organizer: Conference Venue: Amrita School of Engineering, Kollam Page No: Proceedings Published By: proceedings of "TAP Energy 213 national conference"	
2013-2014	National Conference (Proceedings)	8	Title of the Paper: <i>Matrix converter based unified power flow controllers (UPFC)</i> Authors: Ms Amritha S & Ms. Atheena A Name of the Conference : TAP Energy 213 national conference Duration of the Conference: 4th to 6th July 2013 Name of the Organizer: Conference Venue: Amrita School of Engineering, Kollam Page No: Proceedings Published By: proceedings of "TAP Energy 213 national conference"	
2013-2014	National Conference	9	Title of the Paper: <i>High quality single phase cuk rectifier module with active power factor correction</i> Authors: Mr. Arun Rajendran & Mr. Jidhun K Murali Name of the Conference : TAP Energy 213 national conference Duration of the Conference: 4th to 6th July 2013	

	(Proceedings)		Name of the Organizer: Conference Venue: Amrita School of Engineering, Kollam Page No: Proceedings Published By: proceedings of "TAP Energy 213 national conference	
2013-2014	National Conference (Proceedings)	10	Title of the Paper: Design and analysis of zero voltage transition interleaved boost converter for high power applications Authors: Ms. Divya R Nair & Ms. Namitha K M Name of the Conference : TAP Energy 213 national conference Duration of the Conference: 4th to 6th July 2013 Name of the Organizer: Conference Venue: Amrita School of Engineering, Kollam Page No: Proceedings Published By: proceedings of "TAP Energy 213 national conference	
2013-2014	National Conference (Proceedings)	11	Title of the Paper: <i>ZCS-PWM flyback converter for low voltage high current applications</i> Authors: Ms. Indu V & Ms. Subi S Name of the Conference : TAP Energy 213 national conference Duration of the Conference: 4th to 6th July 2013 Name of the Organizer: Conference Venue: Amrita School of Engineering, Kollam Page No: Proceedings Published By: proceedings of "TAP Energy 213 national conference	
2013-2014		12	Title of the Paper: <i>A single phase multilevel inverter topology employing coupled inductors</i> Authors: Ms. Sreelekshmi R S & Ms. Steffy Elizabeth Mathews Name of the Conference : TAP Energy 213 national conference	

	National Conference (Proceedings)		Duration of the Conference: 4th to 6th July 2013 Name of the Organizer: Conference Venue: Amrita School of Engineering, Kollam Page No: Proceedings Published By: proceedings of "TAP Energy 213 national conference"	
2013-2014	National Conference (Proceedings)	13	Title of the Paper: <i>Effect on DVR operation by the voltages used for unit vector generation</i> Authors: Mr. Srikanth V & Ms. Vidya Surendran Name of the Conference : TAP Energy 213 national conference Duration of the Conference: 4th to 6th July 2013 Name of the Organizer: Conference Venue: Amrita School of Engineering, Kollam Page No: Proceedings Published By: proceedings of "TAP Energy 213 national conference"	
2013-2014	National Conference (Proceedings)	14	Title of the Paper: <i>Power quality enhancement of a grid connected wind PMSG using a STATCOM control scheme</i> Authors: Ms. Angel T S & Ms. Aryamol Sudhakaran Name of the Conference : TAP Energy 213 national conference Duration of the Conference: 4th to 6th July 2013 Name of the Organizer: Conference Venue: Amrita School of Engineering, Kollam Page No: Proceedings Published By: proceedings of "TAP Energy 213 national conference"	
2013-2014		15	Title of the Paper: <i>Bidirectional DC-DC converter for battery fed electric drive system</i> Authors: Ms. Seema P N & Ms. Anina R V	

	National Conference (Proceedings)		Name of the Conference : TAP Energy 213 national conference Duration of the Conference: 4th to 6th July 2013 Name of the Organizer: Conference Venue: Amrita School of Engineering, Kollam Page No: Proceedings Published By: proceedings of “TAP Energy 213 national conference	
2013-2014	National Conference (Proceedings)	16	Title of the Paper: <i>Capacitor switched regenerative snubber for DC-DC boost converter</i> Authors: Mr. Meher Madhu & Ms. Khadira Safar N Name of the Conference : TAP Energy 213 national conference Duration of the Conference: 4th to 6th July 2013 Name of the Organizer: Conference Venue: Amrita School of Engineering, Kollam Page No: Proceedings Published By: proceedings of “TAP Energy 213 national conference	
07/2012-06/2013				
2012-2013	International Journal	1	Title of the Paper: Method for separation of customer and utility contributions of harmonics at point of common coupling Authors: Francis Manuel Fernandez and P.S.Chandramohanan Nair Name of the Journal: The Institution of Engineering and Technology Month and Year of Publication: November 2012	
2012-2013	International Journal	2	Title of the Paper: Economic Impact of Pumped Storage Power Plant On Social Welfare Of Electricity Market Authors: Kanakasabapathy P. Name of the Journal:	

			ELSEVIER,Electrical Power and Energy Systems Month and Year of Publication: August 2012	
2012-2013	National Journal	1	Title of the Paper: Determination of hot spot temperature of a single phase transformer subjected to harmonic pollution Authors: Mabel Ebenezer and P.S.Chandramohanan Nair Name of the Journal: Journal of The Institution of Engineers (India):Series B Month and Year of Publication: September 2012	
2012-2013	International Conference (Proceedings)	1	Title of the Paper: Determination of temperature distribution and reduction of life of a dry type three phase transformer Authors: Mabel Ebenezer, M. R. Rajkumar, P.S.Chandramohanan Nair Name of the Conference IEEE 10th International Conference on the Properties and Applications of Dielectric Materials (ICPADM) Duration of the Conference: Bangalore, India, July 24 -28, 2012 Name of the Organizer: Conference Venue: Page No: Proceedings Published By: IEEE	
2012-2013	International Conference (Proceedings)	2	Title of the Paper: <i>Mitigation of power quality issues using DSTATCOM</i> Authors: Divya R Nair, Swetha Sampath, Megha Raveendran, Ashwini Nambiar, Neenu Name of the Conference: IEEE <i>International Conference on Emerging Trends in Electrical Engineering and Energy Management (ICETEEEM 2012)</i> Duration of the Conference: 13th to 15th December 2012 Name of the Organizer: <i>Department of EEE, Aarupadai Veedu Institute of Technology and</i>	

			<i>IEEE Power & Energy Society Students</i> Conference Venue: <i>Aarupadai Veedu Institute of Technology, Madras</i> Page No: 104-108 Proceedings Published By: <i>International Conference on Emerging Trends in Electrical Engineering and Energy Management</i>	
2012-2013	International Conference (Proceedings)	3	Title of the Paper: <i>Stabilization and control of three pole active magnetic bearing by sliding mode control techniques</i> Authors: Sherine Jesna V A ,Dr. S Usha kumari Name of the Conference: <i>IEEE International Conference on Green Technology, 2012</i> Duration of the Conference: 18th - 20th Dec, 2012 Name of the Organizer: <i>Dept of EEE, Mar Baselios College of Engineering and Technology</i> Conference Venue: <i>Mar Baselios College of Engineering and Technology</i> Page No: Proceedings Published By: IEEE	
2012-2013	International Conference (Proceedings)	4	Title of the Paper: <i>A Comparative Study on the Effect of Switching Functions in SMO for PMSM Drives</i> Authors: Srikanth V. and Dr. A. Amar Dutt Name of the Conference: <i>IEEE International Conference on Power Electronics, Drives and Energy systems (PEDES'12), Bengaluru.</i> Duration of the Conference: 16-19 Dec 2012 Name of the Organizer: <i>IEEE</i> Conference Venue: <i>J. N TATA</i>	

			Auditorium, IISC Bangalore Page No: Proceedings Published By: PEDES	
2012-2013	International Conference (Proceedings)	5	Title of the Paper: <i>An Enhanced Controller for Shunt Active Filter Interfacing Renewable Energy Source and Grid</i> Authors: Ilango K, Manitha V, Manjula G. Nair Name of the Conference: IEEE, ICSET 2012 Duration of the Conference: Name of the Organizer: Nepal Conference Venue: Nepal Page No: 305-310 Proceedings Published By: IEEE	
2012-2013	International Conference (Proceedings)	6	Title of the Paper: <i>Performance Analysis of a Permanent Magnet Synchronous Motor Using a Novel SVPWM</i> Authors: Srikanth V. and Dr. A. Amar Dutt Name of the Conference: IEEE International Conference on Power Electronics, Drives and Energy systems (PEDES'12), Bengaluru Duration of the Conference: 16-19 Dec 2012 Name of the Organizer: IEEE (Accepted for publication) Conference Venue: J. N TATA Auditorium, IISC Bangalore Page No: Proceedings Published By: PEDES	
2012-2013	International Conference (Proceedings)	7	Title of the Paper: <i>Power Quality Improvement Using STATCOM with Renewable Energy Sources</i> Authors: Ilango K., Bhargava A, Trivikram A, Kavya P.S, and Manjula G. Nair Name of the Conference: IICPE Proceedings Published By: IEEE	
2012-2013	International Conference (Proceedings)	8	Title of the Paper: <i>STATCOM Interface for Renewable Energy Sources with Power Quality Improvement</i>	

			Authors: Ilango K., Bhargav A, Trivikram A, Kavya P.S, and Manjula G.Nair Name of the Conference: AASRI conference on Power and Energy Systems Proceedings Published By: <i>ELSEVIER</i>	
2012-2013	International Conference (Proceedings)	9	Title of the Paper: <i>Modified IcosΦ Controller for shunt Active Filter Interfacing Renewable Energy Source and Grid</i> Authors: Ilango K, Manitha P.V. and Manjula G.Nair Name of the Conference: AASRI conference on Power and Energy Systems Proceedings Published By: <i>ELSEVIER</i>	
2012-2013	International Conference (Proceedings)	10	Title of the Paper: <i>An Enhanced Controller for shunt Active Filter Interfacing Renewable Energy Source and Grid</i> Authors: Ilango K, Manitha P.V. and Manjula G.Nair Name of the Conference: IEEE ICSET 2012 Proceedings Published By: <i>IEEE</i>	
2012-2013	International Conference (Proceedings)	11	Title of the Paper: <i>Fault analysis and digital protection of busbars using curvelet transform based approach</i> Authors: Dr. Kanakasabapathy P., Mr. Kiran & Mr. Ravikrishnan Name of the Conference: International conference on Global Innovations in Technology and Sciences (ICGITS 2013) Duration of the Conference: 4th to 6th April 2013 Name of the Organizer Conference Venue: Saint Gits College of Engineering, Kottayam. Page No: Proceedings Published By:	
2012-2013	International Conference (Proceedings)	12	Title of the Paper: <i>Internal fault discrimination in power transformers</i> Authors: Dr.	

			Kanakasabapathy P., Mr. Kiran & Mr. Ravikrishnan Name of the Conference: 4th International youth conference on Energy 2013 Duration of the Conference: 6th to 8th June Name of the Organizer: Conference Venue: Hungary Page No: Proceedings Published By: IEEE Xplore digital library.	
2012-2013	International Conference (Proceedings)	13	Title of the Paper: <i>Internal fault discrimination in power transformers</i> Authors: Dr. Kanakasabapathy P., Mr. Kiran & Mr. Ravikrishnan Name of the Conference: 4th International youth conference on Energy 2013 Duration of the Conference: 6th to 8th June Name of the Organizer: Conference Venue: Hungary Page No: Proceedings Published By: IEEE Xplore digital library.	
2012-2013	International Conference (Proceedings)	14	Title of the Paper: Grid connected two stage photovoltaic system using cuk converter Authors: Mr. Sreejith Kailas & Mr. Syam M S Name of the Conference: International conference on Global Innovations in Technology and Sciences (ICGITS 2013) Duration of the Conference: 4th to 6th April 2013 Name of the Organizer: Conference Venue: Saint Gits College of Engineering, Kottayam. Page No: Proceedings Published By:	

2012-2013	International Conference (Proceedings)	15	Title of the Paper: Grid connected PV system using cuk converter Authors: Mr. Sreejith Kailas & Mr. Syam M S Name of the Conference: International conference on Microelectronics, Communication & Renewable Energy Duration of the Conference: 4th to 6th June 2013 Name of the Organizer: Annual International Conference on Emerging Research Areas Conference Venue: Amal Jyothi College of Engineering, Kottayam. Page No: Proceedings Published By:	
2012-2013	International Conference (Proceedings)	16	Title of the Paper: <i>Multiple input DC-DC converters for solar cell power supply system and its maximum power point tracker</i> Authors: Ms. Divya R Nair & Ms. Anu A A Name of the Conference: conference on Energy Efficient Technologies for Sustainability Duration of the Conference: 10th to 12th April 2013 Name of the Organizer: Conference Venue: St. Xavier's Catholic College of Engineering, Nagercoil, Tamilnadu. Page No: Proceedings Published By: IEEE Xplore digital library	

2012-2013	International Conference (Proceedings)	17	Title of the Paper: <i>Permanent Magnet Synchronous wind generator for microgrid dynamic performance improvement</i> Authors: Ms. Angel T S & Ms. Aryamol Sudhakaran Name of the Conference: International conference on Microelectronics, Communication & Renewable Energy Duration of the Conference: 4th to 6th June 2013 Name of the Organizer: Conference Venue: Amal Jyothi College of Engineering, Kottayam. Page No: Proceedings Published By:	
2012-2013	National Conference (Proceedings)	1.	Title of the Paper: <i>An Induction motor speed control for battery less photovoltaic pumping</i> Authors: Asha C A, Mini V P Name of the Conference : NCTT,2012 Duration of the Conference: Aug 2012 Name of the Organizer: Department of EEE College of Engineering ,Trivandrum Conference Venue: College of Engineering , Trivandrum Page No:32 Proceedings Published By: Proceedings of 13th National Conference on Technological Trends	
2012-2013		2	Title of the Paper: <i>Modeling and Control of Wind Turbine Generator with Energy Storage</i> Authors: Prathibha S Babu, Jayasree M S Name of the Conference : 13th National Conference on Technological Trends	

	National Conference (Proceedings)		Duration of the Conference: Aug 2012 Name of the Organizer: <i>Department of EEE College of Engineering ,Trivandrum</i> Conference Venue: <i>College of Engineering , Trivandrum</i> Page No:25 Proceedings Published By: <i>Proceedings of 13th National Conference on Technological Trends</i>	
2012-2013	National Conference (Proceedings)	3	Title of the Paper: <i>Back up wide area protection techniques for power transmission grid using PMU</i> Authors: Angel T S ,S Bindu Name of the Conference : <i>13th National Conference on Technological Trends</i> Duration of the Conference: Aug 2012 Name of the Organizer: <i>Department of EEE College of Engineering ,Trivandrum</i> Conference Venue: <i>College of Engineering , Trivandrum</i> Page No:25 Proceedings Published By: <i>Proceedings of 13th National Conference on Technological Trends</i>	
2012-2013	National Conference (Proceedings)	4	Title of the Paper: <i>Autocentring Control of Three pole Active magnetic bearing by sliding mode control</i> Authors: Sherine Jesna V A , Dr. S.Ushakumari Name of the Conference : <i>13th National Conference on Technological Trends</i> Duration of the Conference: Aug 2012 Name of the Organizer: <i>Department of EEE College of Engineering ,Trivandrum</i> Conference Venue: <i>College of Engineering , Trivandrum</i>	

			Page No:28 Proceedings Published By: <i>Proceedings of 13th National Conference on Technological Trends</i>	
2012-2013	National Conference (Proceedings)	5	Title of the Paper: Chattering free Sliding mode Control for re-usable launch vehicle Authors: Vivek A, Sheelu Jose and Dr. S. Usha kumari Name of the Conference : 13th National Conference on Technological Trends Duration of the Conference: Aug 2012 Name of the Organizer: <i>Department of EEE College of Engineering ,Trivandrum</i> Conference Venue: <i>College of Engineering , Trivandrum</i> Page No:28 Proceedings Published By: <i>Proceedings of 13th National Conference on Technological Trends</i>	
2012-2013	National Conference (Proceedings)	6	Title of the Paper: Guidance Of Vision Based Spacecraft Docking System Authors: Nandagopal J L, Navin. M. S, R Lethakumari Name of the Conference : 13th National Conference on Technological Trends Duration of the Conference: Aug 2012 Name of the Organizer: <i>Department of EEE College of Engineering ,Trivandrum</i> Conference Venue: <i>College of Engineering , Trivandrum</i> Page No:30 Proceedings Published By: <i>Proceedings of 13th National Conference on Technological Trends</i>	

2012-2013	National Conference (Proceedings)	7	Title of the Paper: <i>Optimization of ascent phase of a Hypersonic RLV-TD incorporating re-entry constraints in a MDO framework</i> Authors: <i>Winston Netto, Jaison Joseph and Sreeja S</i> Name of the Conference : <i>13th National Conference on Technological Trends</i> Duration of the Conference: <i>Aug 2012</i> Name of the Organizer: <i>Department of EEE College of Engineering ,Trivandrum</i> Conference Venue: <i>College of Engineering , Trivandrum</i> Page No:30 Proceedings Published By: <i>Proceedings of 13th National Conference on Technological Trends</i>	
2012-2013	National Conference (Proceedings)	8	Title of the Paper: <i>A Novel Space Vector PWM for Field Oriented Control of Permanent Magnet Synchronous Motor</i> Authors: <i>Srikanth V. and Dr. A. Amar Dut</i> Name of the Conference: <i>1st NCET'12</i> Name of the Organizer: <i>NCET</i> Duration of the Conference: <i>20-21st July 2012</i> Conference Venue: <i>GEC, Barton hill</i> Page No: <i>pp. 101-106</i> Proceedings Published By: <i>Proc. of the 1st NCET'12,Thiruvanthapuram</i>	
07/2011-06/2012				

2011-2012	International Journal	1	Title of the Paper: <i>H∞ Based Observer for Disturbance Compensation in Decoupled TRMS Using LMI Optimization</i> Authors: <i>Lekshmi.S, Jeevamma Jacob</i> Name of the Conference: <i>International Conference on Electrical Engineering and Computer Science (ICEECS-2012)</i> Duration of the Conference: <i>May 2012</i> Name of the Organizer: <i>Interscience Research Network</i> Conference Venue: <i>Rajagiri School of Engineering & Technology(RSET), Cochin, Kerala</i> Page No: <i>181 - 188</i> Proceedings Published By: IRNet	
2011-2012	National Journal		NIL	
2011-2012	International Conference	1	Title of the Paper: <i>A novel method for recovery of drainage power from distribution transformers</i> Authors: <i>P.S.Chandramohanan Nair,Preetha P.K.</i> Name of the Organizer: IEEE International Conference on Innovative Smart Grid Technologies (ISGT 2011) Duration of the Conference: <i>December 5 – 7, 2011</i> Conference Venue: <i>Manchester, U.K</i> Page No: Proceedings Published By: IEEE	

2011-2012	International Conference	2	Title of the Paper: A New Expression for Power Factor under Non-sinusoidal Conditions Authors: Francis M. Fernandez, P.S.Chandramohanan Nair Name of the Organizer: IEEE International Conference on Innovative Smart Grid Technologies (ISGT 2011) Duration of the Conference: December 01 – 03, 2011 Conference Venue: Kollam, Kerala, India Page No: 155-159 Proceedings Published By: IEEE	
2011-2012	International Conference (Proceedings)	3	Title of the Paper: An H_∞ Based Observer for Disturbance Rejection in TRMS Decoupled With Hadamard weights Using LMI Optimization Authors: Lekshmi.S, Jeevamma Jacob Name of the Conference: IEEE INDICON 2012 Duration of the Conference: 7th Dec 2012 to 9th Dec 2012 Name of the Organizer: IEEE Kerala Section, IEEE India Council Conference Venue: Rajagiri School of Engineering & Technology(RSET), Cochin, Kerala Page No: Yet to be published Proceedings Published By: IEEE	
2011-2012	International Conference (Proceedings)	4	Title of the Paper: Analysis of Inverter Fed Microgrids For Different Modes Of Operation In Matlab/Simulink Authors: Sreelekshmi R.S, Sunitha R Name of the Conference: International Conference on	

			<i>Electrical Engineering and Computer Science(ICEECS-2012)</i> Duration of the Conference: 7th April,2012 Name of the Organizer: Conference Venue: Goa Page No: 86-90 Proceedings Published By: <i>Proceedings Published By: IEEE of the ICEECS-2012</i>	
2011-2012	International Conference (Proceedings)	5	Title of the Paper: <i>Analytical Study of Howland Current Source Model</i> Authors: <i>Anudev J., Dr. I. Jacob Raglend</i> Name of the Conference: <i>International Conference on Computing, Electronics and Electrical Technologies [ICCEET]</i> Duration of the Conference: 21 Mar - 22 Mar 2012 Name of the Organizer: <i>Department of Electrical & Electronics Engineering, Noorul Islam Centre for Higher Education</i> Conference Venue: <i>Noorul Islam Centre for Higher Education-Kumaracoil , Tamil Nadu , India</i> Page No: 314 – 318 Proceedings Published By: <i>IEEE</i>	
2011-2012	International Conference (Proceedings)	6	Title of the Paper: <i>Analytical Study of GIC based Current Source Model</i> Authors: <i>Anudev J., Dr. I. Jacob Raglend</i> Name of the Conference : <i>International Conference On Advances In Engineering, Science And Management (ICAESM -2012)</i> Duration of the Conference: 30 Mar - 31 Mar 2012 Name of the Organizer: <i>EGS Pillay Engineering College</i> Conference Venue: <i>EGS Pillay Engineering College , Nagapattinam, Tamil Nadu, India</i> Page No: 219 - 222 Proceedings Published By: <i>IEEE</i>	

2011-2012	International Conference (Proceedings)	7	Title of the Paper: <i>Transient Stability Enhancement Of wind Farms Connected Power System.</i> Authors: <i>Sruthy V, Jose Jacob.</i> Name of the Conference: <i>Sustainable systems & process innovations for a new world order: Second National Technological Congress, Kerala, NATCON 2012</i> Duration of the Conference: <i>9th-10th Feb 2012</i> Name of the Organizer: <i>Conducted by Center for Engineering Research & Development, Dept of Technical Education Govt. of Kerala, Organized by Govt. Engineering College, Thrissur.</i> Conference Venue: <i>Govt. Engineering College Thrissur, Kerala</i> Page No: <i>224</i> Proceedings Published By: <i>Proceedings of Second National Technological Congress, Kerala, NATCON 2012</i>	
2011-2012	International Conference (Proceedings)	8	Title of the Paper: <i>“Interdependence of socio-economic developments and power sector reforms during the period 1991-2009”</i>, Authors: <i>Dr. P S Chandramohanan Nair, A.M. Narayanan</i> Name of the Conference: <i>First India International Energy Summit 2011 (IIES 2011)</i>, Duration of the Conference: <i>January 28 – 30, 2011</i> Name of the Organizer: <i>Vijnana Bharati, Society of Energy Engineers and Managers (SEEM) and VNIT Nagpur, at VNIT Nagpur</i> Conference Venue: <i>Trivandrum, Kerala</i> Page No: Proceedings Published By: <i>Vijnana Bharati.</i>	

2011-2012	National Conference (Proceedings)	1	Title of the Paper: <i>Overview of Renewable Energy Penetration.</i> Authors: <i>Dr. P S Chandramohanan Nair, A.M. Narayanan</i> Name of the Conference: <i>Kerala Environment Congress 2011 on Energy and Environment</i> Duration of the Conference: <i>August 25-27, 2011</i> Name of the Organizer: <i>Centre for Environment and Development</i> Conference Venue: <i>Trivandrum, Kerala</i> Page No: <i>171-180</i> Proceedings Published By: <i>Proceedings of the Kerala Environment Congress 2011, Kerala</i>	
2011-2012	National Conference (Proceedings)	2	Title of the Paper: <i>Overview of Renewable Energy Penetration.</i> Authors: <i>Dr. P S Chandramohanan Nair, A.M. Narayanan</i> Name of the Conference: <i>Kerala Environment Congress 2011 on Energy and Environment</i> Duration of the Conference: <i>August 25-27, 2011</i> Name of the Organizer: <i>Centre for Environment and Development</i> Conference Venue: <i>Trivandrum, Kerala</i> Page No: <i>171-180</i> Proceedings Published By: <i>Proceedings of the Kerala Environment Congress 2011, Kerala</i>	
2011-2012	National Conference (Proceedings)	3	Title of the Paper: <i>Reentry Guidance for reusable launch vehicle using nonlinear tracking</i> Authors: <i>Amritha S, Gifty Benjamin,</i>	

			<i>Sreeja S</i> Name of the Conference: <i>National Conference on Technological Trends, NCTT, 2011</i> Duration of the Conference: <i>19th – 20th Aug 2011</i> Name of the Organizer: <i>College of Engineering, Trivandrum</i> Conference Venue: <i>College of Engineering, Trivandrum</i> Page No: Proceedings Published By: Proceedings of NCTT'11	
2011-2012	National Conference (Proceedings)	4	Title of the Paper: <i>Dual quaternion based navigation algorithm for SINS</i> Authors: <i>Jayasree P R, R lethakumari</i> Name of the Conference: <i>National Conference on Technological Trends, NCTT, 2011</i> Duration of the Conference: <i>19th – 20th Aug 2011</i> Name of the Organizer: <i>College of Engineering, Trivandrum</i> Conference Venue: <i>College of Engineering, Trivandrum</i> Page No: Proceedings Published By: Proceedings of NCTT'11	
2011-2012	National Conference (Proceedings)	5	Title of the Paper: <i>Comparison of Interconnection methods of wind generator in a wind farm</i> Authors: <i>Arun Rajendran, Mini V P</i> Name of the Conference: <i>National Conference on Technological Trends, NCTT, 2011</i> Duration of the Conference: <i>19th – 20th Aug 2011</i> Name of the Organizer: <i>College of Engineering, Trivandrum</i> Conference Venue: <i>College of Engineering, Trivandrum</i> Page No: Proceedings Published By: Proceedings of NCTT'11	

07/2010-06/2011:				
2010-2011	International Transactions	1	Title of the Paper: Evolutionary Tristate PSO for Strategic Bidding of Pumped-Storage Hydroelectric Plant Authors: P.Kanakasabapathy and K.Shanti Swarup Name of the Journal: IEEE Transactions on Systems,Man and Cybernetics Vol 40 Month and Year of Publication: July 2010	
2010-2011	International Conference	1	Title of the Paper: <i>Determination of Winding Temperature of a Distribution Transformer using Soft Computing Techniques</i> Authors: <i>P. S Chandramohanan Nair, Mabel Ebenezer</i> Name of the Conference: <i>PEDES 2010</i> Duration of the Conference: <i>December 21 – 23, 2010</i> Name of the Organizer: IEEE Delhi Section and I.I.T.Delhi Conference Venue: <i>India Habitat Centre, New Delhi</i> Page No: 1-6 Proceedings Published By: <i>IEEE XPLORE</i>	

2010-2011	International Conference	2	Title of the Paper: <i>Estimation of Supply Side Harmonics by Using Network Impedance Data</i> Authors: <i>P. S Chandramohan Nair, Francis M Fernandez</i> Name of the Conference: PEDES 2010 Duration of the Conference: <i>December 21 – 23, 2010</i> Name of the Organizer: IEEE Delhi Section and I.I.T.Delhi Conference Venue: <i>India Habitat Centre, New Delhi</i> Page No: 1-6 Proceedings Published By: <i>IEEE XPLORE</i>	
2010-2011	International Conference	3	Title of the Paper: <i>Koyal- An Expert system for Medical Diagnosis and Classification of Birds and Animals Modelling and Simulation Using J2SE and PROLOG</i> Authors: <i>Sreedhar Babu Karanam, Archana, Vineeth & Veena</i> Name of the Conference: ICECT 2011 Duration of the Conference: <i>April 8-10, 2011</i> Name of the Organizer: IACSIT and IETE- Trivandrum-Nagercoil PAC, IEEE Conference Venue: <i>Vi Institute of Technology, and Marthandam College of Engineering and Technology</i> Page No: 349-353 Proceedings Published By: <i>Proceedings of ICECT 2011</i>	

		4	Title of the Paper: <i>Non-linear Flight Control of Atmospheric Re-entry Vehicle</i> Authors: <i>Rajasree S.R., Smt. Kavitha C.S., W. C. Arun Kishore</i> Name of the Conference: <i>International conference on technological trends-ICTT 2010</i> Duration of the Conference: <i>25-27 November 2010</i> Name of the Organizer: <i>College of Engineering, Trivandrum</i> Conference Venue: <i>College of Engineering, Trivandrum</i> Page No: Proceedings Published By: <i>Proceedings of ICTT 2010</i>	
2010-2011	National Conference (Proceedings)		Nil	
07/2009-06/2010				
2009-2010	International Journal	1	Title of the Paper: <i>Bidding Strategy for pumped-storage plant in pool-based electricity market</i> Authors: <i>P.Kanakasabapathy and K.Shanti Swarup</i> Name of the Journal: <i>ELSEVIER ,Energy Conservation and Management</i> Month and Year of Publication: <i>November 2009</i>	
	National Journal		Nil	
2009-2010	International Conference (Proceedings)	1	Title of the Paper: <i>Design and Analysis of shunt active power filter Based on Adaptive Fuzzy-Hysteresis Controller</i> Authors: <i>smitha Krishnan, lathika B.S & Dr.Rama Iyer</i>	

			Name of the Conference: <i>International Conference on Control, Communication and Computing, ICCCC 2010</i> Duration of the Conference:<i>Feb 18-20, 2010</i> Name of the Organizer: <i>CET, Trivandrum</i> Conference Venue:<i>CET, Trivandrum</i> Page No:<i>121-124</i> roceedings Published By: Proceedings of <i>ICCC 2010</i>	
2009-2010	International Conference (Proceedings)	2	Title of the Paper: <i>Design and Analysis of shunt active power filter for electric traction system</i> Authors: <i>smitha Krishnan, lathika B.S & Dr.rama Iyer</i> Name of the Conference: <i>International Conferences on Power, Control, Signals and Computation EPSCICON 2010</i> Duration of the Conference:<i>3-6 January, 2010</i> Name of the Organizer: <i>Vidya Acadamy of Science and Technology, Thrissur</i> Conference Venue:<i>Vidya Acadamy of Science and Technology, Thrissur</i> Page No:<i>93-98</i> Proceedings Published By: proceedings of <i>EPSCICON 2010</i>	
2009-2010	International Conference (Proceedings)	3	Title of the Paper: <i>Harmonic mitigation in electric traction system using active power filter</i> Authors: <i>smitha Krishnan, lathika B.S & Dr.rama Iyer</i> Name of the Conference:<i>International Conference on Modelling and Simulation, MS 2009</i> Duration of the Conference:<i>1-3 December, 2009</i> Name of the Organizer: <i>CET, Trivandrum</i> Conference Venue:<i>CET, Trivandrum</i> Page No: <i>152-156</i> Proceedings Published By:	

			Proceedings of MS 2009	
2009-2010	International Conference (Proceedings)	4	Title of the Paper: <i>Harmonic mitigation in electric traction system using active power filter based on adaptive fuzzy hysteresis controller</i> Authors: <i>Smitha Krishnan, Lathika B.S & Dr.Rama Iyer</i> Name of the Conference: <i>22nd Kerala Science Congress</i> Duration of the Conference: <i>28-31 January, 2010</i> Name of the Organizer: Conference Venue: <i>KFRI, Peechi, Kerala</i> Page No: Proceedings Published By:	
2009-2010	National Conference	1	Title of the Paper: <i>Design of shunt active filter using synchronous detection algorithm</i> Authors: <i>Divya R, Deepika Unnikrishnan, Divya R. Menon, Rajasree R, Rakesh G., Sunil Sankaranarayanan</i> Name of the Conference: <i>Fifth National Conference on "Cutting Edge Technologies in Power Conversion and Industrial Drives"</i> Duration of the Conference: <i>March 12-13, 2010</i> Name of the Organizer: <i>Bannari Amman Institute of Technology</i> Conference Venue: <i>Bannari Amman Institute of Technology, Coimbatore</i> Page No: <i>35-38</i> Proceedings Published By: <i>PCID 2010</i>	
07/2008-06/2009				
2008-2009	International Journal		Nil	
	National Journal		Nil	
2008-2009	International Conference (Proceedings)	1	Title of the Paper: <i>Biologically Inspired Data Propagation And Aggregation method for wireless sensor networks</i>	

			Authors: <i>J.Freeman, M.V Ramesh & A.mohan</i> Name of the Conference:<i>ICWN'07</i> Duration of the Conference:<i>June 2008</i> Name of the Organizer: Conference Venue:<i>Las Vegas USA</i> Page No: Proceedings Published By:	
2008-2009	National Conference (Proceedings)	1	Title of the Paper: <i>A Novel Versatile Digital PI controller for DC Drives Subjected to Parameter variations Using Look-Up Tables: Simulation with the Mathematical State Space Analysis</i> Authors: <i>Dr.F.Gajendran, Sridhar Babu</i> Name of the Conference: <i>NCPED'09</i> Duration of the Conference:<i>6 March, 2009</i> Name of the Organizer:<i>Srinivasa Ramanujan Centre, Sastra University</i> Conference Venue: <i>Srinivasa Ramanujan Centre, Sastra University, Kumbakonam</i> Page No: <i>47-51</i> Proceedings Published By: <i>Proceedings of NCPED'09</i>	
2008-2009	National Conference (Proceedings)	2	Title of the Paper:<i>Digital PI Controller for DC drives: Mathematical Modelling Using State Space Analysis</i> Authors: <i>Dr.F.Gajendran, Sridhar Babu</i> Name of the Conference: <i>NCPED'09</i> Duration of the Conference:<i>6th March, 2009</i> Name of the Organizer: <i>Dept of EEE, Srinivasa Ramanujan Center, Sastra University</i> Conference Venue: <i>Srinivasa Ramanujan Center, Sastra University</i> Page No: Proceedings Published By: <i>Proceedings of NCPED'09</i>	
2008-2009	National Conference (Proceedings)	3	Title of the Paper:<i>A Novel Versatile Digital PI controller for DC Drives Using LookUp Tables</i> Authors: <i>Dr.F.Gajendran, Sridhar Babu</i> Name of the Conference: <i>NACORE'09</i> Duration of the Conference:<i>27-28 March, 2009</i> Name of the Organizer:<i>Amal Jyothi College of Engineering, Kanjirappally</i> Conference Venue: <i>Amal Jyothi College of Engineering, Kanjirappally</i> Page No:	

			Proceedings Published By: Proceedings of <i>NACORE'09</i>	
2012 2008- 2009	International National Journal Conference (Proceedings)	1. 4	Title of the Paper: Static Security Assessment Using Fuzzy Logic in the Boundary Layer to Suppress Flow- Induced Motions of Circular Cylinder at $30,000 \leq Re \leq 120,000$ Authors: Beenu Mary, Panickar, G.K. Babula	

II. National Conference Proceedings

Title : Frequency migration from alpha to delta in preictal phase—an ictal predictor / locator

1

Authors: Nair G. J. , Chinmayi R, Siby Gopinath., and Lakshmi Nambiar

Venue of Conference: Cochin Month and Year: February, 2012

2

Title: Controller area network: Formal specification and verification using TLA+
Authors: Poroor, Jayaraj; Ramani, Varrun; Joshi, Avinash; Jayaraman, Bharat;
Name of the conference: Sixth national conference on Automotive Infotronics,
Society of Automotive Engineers, India, pp.1- 5, Dec 2010

- 2013 International Journals 1 Eun Soo Kim, Michael M. Bernitsas, R. Ajith Kumar, Multicylinder Flow-Induced Motions: Enhancement by Passive Turbulence Control at $28,000 < Re < 120,000$, ASME Int. Journal of Offshore Mechanics and Ocean Engineering, Feb 2013.
Dr. R.Ajith Kumar.
- 2 Aditya K, Joshua D. Freeman and Ganesha Udupa, An Intelligent Plant EMG Sensor System For Pre-Detection Of Environmental Hazards, International Journal of Science, Environment and Technology, Vol. 2, No 1, pp 28 – 37, 2013.
<http://www.ijset.net/Contents.asp>
Dr. Ganesha Udupa, Mr. Joshua Freeman.

			Authors: Ajith Kumar, Hongrae Park & Michael M. Bernitsas Name of the Journal: ASME Journal of Offshore Mechanics & Arctic Engineering Month and Year of Publication: 2012 Volume No.: 134 Page No. 041801-1 to 12	
		2.	Title of the Paper: Multi-Cylinder Flow-Induced Motions: Enhancement by Passive Turbulence Control at $28,000 \leq Re \leq 120,000$ Authors: Ajith Kumar, with Eunsoo & Michael M. Bernitsas Name of the Journal: ASME Journal of Offshore Mechanics & Arctic Engineering Month and Year of Publication: 2012 Volume No. Page No. 1713-1732	
	International Conference (Proceedings)	1.	Title of the Paper: Design and Fabrication of a Novel Multiple Fuse System Authors: Aditya K, Karthik, S and Ganesha Udupa Name of the Conference: 4th international and 25th All India manufacturing technology Design and Research Conference (AIMTDR 2012) Duration of the Conference: Dec 14th-16th, 2012 Name of the Organizer: Jadavapur University Conference Venue: Kolakata, India Page No: 1338-1343 Proceedings Published By:	
	National Conference (Proceedings)	1.	Title of the Paper: A novel technique for the development of artificial Human Hand for prosthetic Application Authors: Pavan Kumar KBS, Srinath S K, C P Sankar Menon, Pramod S, Ganesha Udupa Name of the Conference: National conference on Applications of data mining in management of metabolic and Degerative disorders Duration of the Conference: April 16-18th	

			2012 Name of the Organizer: Amrita Vishwa Vidyapeetham Conference Venue: Mysore, India Page No: 1-7 Proceedings Published By:	
2011	International Journal	1.	Title of the Paper: Development of Bio-Machine based on the Plant Response to External Stimuli Authors: Aditya K, Ganesha Udupa and Yongkwun Lee Name of the Journal: Journal of Robotics Month and Year of Publication: 2011 Volume No. vol. 2011, ID 124314 Page No. 7	
		2.	Title of the Paper: VIV and galloping of a single circular cylinder with surface roughness at $3.0 \times 10^4 \leq Re \leq 1.2 \times 10^5$ Authors: Ajith Kumar, Che-Chun Chang & Michael M. Bernitsas Name of the Journal: Ocean Engineering Month and Year of Publication: 2011 Volume No.: 38 Page No. 1713-1732	
		3.	Title of the Paper: Nano substituted Source drain/drain regions for Carbon nanotube transistors for VLSI circuits Authors: Balakrishnan Shankar and Shibesh dutta Name of the Journal: Journal of Nano science and Nanotechnology Month and Year of Publication: January 2011 Volume No.: 11 Page No. 1 to 4	
		4.	Title of the Paper: Effect of PVD Process Parameters on the quality and reliability of thin (10–40nm) Al₂O₃ dielectrics Authors: Shibesh Dutta, Sivaramakrishnan Ramesh, Balakrishnan Shankar, Sundar Gopalan Name of the Journal: Applied Nano Science Month and Year of Publication: September 2011 Volume No.: ANSCD110047 Page No.	

	International Conference (Proceedings)	1.	Title of the Paper: Investigation on form error evaluation by an electronic height gauge Authors: K.N.Surendran , Shanmugam Murugappan, Vijayan, Ramesh Babu and Ganesha Udupa Name of the Conference: 7th International conference on Precision, Meso, Micro and Nano Engineering Duration of the Conference: Dec 10-11, 2011 Name of the Organizer: Conference Venue: Pune Page No: Proceedings Published By:	
		2.	Title of the Paper: Development of Bio-Machine based on the Plant Response to External Stimuli Authors: Aditya. K. Ganesha Udupa, and YongKwun Lee Name of the Conference: IEEE international conference on Robotics and Biomimetics Duration of the Conference: December 7-11, 2011 Name of the Organizer: Conference Venue: Phuket, Thailand Page No: 1218-1223 Proceedings Published By:	

		3.	Title of the Paper: Design and Analysis of Multi-fingered Dexterous Hand Based on an Innovative Asymmetric Flexible Pneumatic Actuator Authors: C.P. Sankar Menon, Pramod Sreedharan and Ganesha Udupa Name of the Conference: International Conference on Simulation Modeling and Analysis Duration of the Conference: 14-16 Dec 2011 Name of the Organizer: Amrita Vishwa Vidyapeetham Conference Venue: Coimbatore, India Page No: Proceedings Published By:	
		4.	Title of the Paper: Innovative micro-walking robot using flexible microactuator Authors: Sai Dinesh P, Aditya K, Roshin R, Pramod Sreedharan, Ganesha Udupa Name of the Conference: 28th International symposium on Automation and Robotics construction (ISARC) Duration of the Conference: June 30-July 1, 2011 Name of the Organizer: Conference Venue: Seoul, Korea Page No: 572-577 (part 2) Proceedings Published By:	

		5.	Title of the Paper: Intelligent Plant Information System: Wireless Electromyograph for Pre-detection of Environmental Hazards Authors: Aditya K, Ganesha Udupa, Joshua Freeman and Maneesha V Ramesh Name of the Conference: International Conference on Wireless Technologies for Humanitarian Relief (ACWR) Duration of the Conference: Dec 18-21, 2011 Name of the Organizer: Amrita Vishwa Vidyapeetham Conference Venue: Amritapuri, India Page No: Proceedings Published By:	
		6.	Title of the Paper: Selective Roughness in the Boundary Layer to Suppress Flow-Induced Motions of Circular Cylinder at $30,000 \leq Re \leq 120,000$ Authors: Ajith Kumar, Hongrae Park & Michael M. Bernitsas Name of the Conference:) Proceedings of the 30th International Conference on Ocean, Offshore and Arctic Engineering OMAE 2011 Duration of the Conference: June 19-24, 2011 Name of the Organizer: Conference Venue: Rotterdam, Netherlands Page No: Proceedings Published By:	
		7.	Title of the Paper: Multi-cylinder Flow-Induced Motions: Enhancement by Passive Turbulence Control at $28,000 \leq Re \leq$	

			120,000 Authors: Ajith Kumar, Eunsoo Kim & Michael M. Bernitsas Name of the Conference: Proceedings of the 30th International Conference on Ocean, Offshore and Arctic Engineering OMAE 2011 Duration of the Conference: June 19-24 Name of the Organizer: Conference Venue: Rotterdam, Netherlands Page No: 1338-1343 Proceedings Published By:	
	International Conference (Proceedings)	1.	Title of the Paper: Multi cylinder flow induced motions: Enhancement by passive Turbulence control at 28, 000<RE<120,000. Authors: Eun Soo Kim, Micheal M Bernitsas, Ph.D, R Ajithkumar, Ph.D Name of the Conference: 30TH International Conference on ocean, offshore & Arctic Engineering Duration of the Conference: June 19-24, 2011 Name of the Organizer: ASME Conference Venue: Rotterdam, The Netherlands Page No: Proceedings Published By:	
		2.	Title of the Paper: Selective roughness in the boundary layer to supress flow induced motions of circular cylinder at 30, 000<RE<120,000. Authors: Hongrae Park, Micheal M Bernitsas, Ph.D, R Ajithkumar, Ph.D Name of the Conference: 30TH International Conference on ocean, offshore & Arctic Engineering Duration of the Conference: June 19-24, 2011 Name of the Organizer: ASME Conference Venue: Rotterdam, The Netherlands Page No:	

			Proceedings Published By:	
		3.	Title of the Paper: Robotic gripper by flexible micro actuator based on an innovative technique. Authors: Dr. Ganesha Udupa, Mr. Pramod Sreedharan, Mr. Aditya K Name of the Conference: 6TH IEEE Workshop on Advanced Robotics & its Social Impacts (ARSO) 2011 Duration of the Conference: OCTOBER 26-28, 2011 Name of the Organizer: IEEE Conference Venue: Seoul, South Korea Page No:	
			Proceedings Published By:	
2010	International Journal	1.	Title of the Paper: “Influence of Corner Radius on the Near-Wake Structure of a Transversely Oscillating Square Cylinder”, Authors: R. Ajith Kumar, Chang Hyun Sohn and B.H. Lakshmana Gowda, Name of the Journal: Journal of Mechanical Science and Technology Month and Year of Publication: 2009,: Volume No. 23(9) Page No. 2390-2416	
	National Journal	1.	Title of the Paper: Analysis of factors influencing dry sliding wear behaviour of Al/SiCp –Brake pad tribo-system Authors: Anoop, S., Natarajan, S., Babu, S.P.K., Name of the Journal: Materials & Design Month and Year of Publication: October 2009 Volume No.30, Issue 9 Page No. 3831-3838	
	National Conference (Proceedings)	1.	Title of the Paper: Influence of tribological factors and their interactions on the dry sliding wear behaviour of Al/SiCp- Brakepad system Authors: Anoop, S., Natarajan, S., Babu, S.P.K Name of the Conference: 20th AGM of	

			MRSI, Duration of the Conference: Feb 10-12, 2009 Name of the Organizer: Saha Institute of Nuclear Physics Conference Venue: Kolkata, India,. Page No: Proceedings Published By:MRSI	
2008- 2009	International Journals	1	1. R. Ajith Kumar, B. H. L.Gowda and C. H. Sohn, Interference excitation of a square section cylinder, Int. Journal of Mechanical Science and Technology, Springer Publications, May 2008. Dr. R.Ajith Kumar	
		2	2. Ajith Kumar, Chan-Hyun Sohn and Bangalore H.L. Gowda, Passive Control of Vortex-Induced Vibrations: An Overview, Bentham Science Publishers Ltd. Dr. R.Ajith Kumar	
		3	3. R. Ajith Kumar, V. Sugumaran, B.H.L. Gowda, C.H. Sohn, Decision tree: A very useful tool in analysing flow-induced vibration data, Int. Journal of Mechanical Systems and Signal Processing, Elsevier Publications, June 2008. Dr. R.Ajith Kumar, Dr. V.Sugumaran	.

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2007	International Conference (Proceedings)	1.	Title of the Paper: Factors and Approaches for Energy Optimized Wireless Sensor Network to Detect Rainfall Induced Landslides Authors: Maneesha V. Ramesh, Rehna Raj, Joshua D. Freeman, Sangeeth Kumar and P. Venkat Rangan Name of the Conference: ICWN'07 - The 2007 International Conference on Wireless Networks Duration of the Conference: June 25-28, 2007 Name of the Organizer:	

			Conference Venue: Monte Carlo Resort, Las Vegas, Nevada, USA Page No: 435-438, Proceedings Published By:	

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2008	International Journal	1.	Title of the Paper: Fault Tolerant Clustering Approaches in Wireless Sensor Network for Landslide Area Monitoring Authors: Rehna Raj, Maneesha V. Ramesh and Sangeeth Kumar Name of the Journal: International Conference on Wireless Networks. CSREA Press Month and Year of Publication: 2008 Volume No: 1 Page No. 107-113	
	International Conference (Proceedings)	1.	Title of the Paper: Threshold Based Data Aggregation Algorithm to Detect Rainfall Induced Landslides Authors: Maneesha V. Ramesh and P. Ushakumari Name of the Conference: ICWN'08 - The 2008 International Conference on Wireless Networks Duration of the Conference July 14-17, 2008 Name of the Organizer: IEEEExplore Conference Venue: Monte Carlo Resort, Las Vegas, Nevada, USA Page No: 255-261	

			Proceedings Published By:	
		2.	Title of the Paper: Biologically Inspired Data Propagation and Aggregation Method Authors: J. Freeman, Maneesha V. Ramesh and A. Mohan Name of the Conference: ICWN'08 - The 2008 International Conference on Wireless Networks Duration of the Conference July 14-17, 2008 Name of the Organizer: IEEEExplore Conference Venue: Monte Carlo Resort, Las Vegas, Nevada, USA Page No: 255-261 Proceedings Published By:	

Year	Type of Publication		Publication Details	Average citation index and impact factor of publications
2009	International Journal	1 .	Title of the Paper: Real Time Landslide Monitoring via Wireless Sensor Network for Landslide Detection Authors: Maneesha V Ramesh, Nirmala Vasudevan, Josh D Freeman Name of the Journal: Geophysical Research Abstracts Month and Year of Publication: 2009, SENSORCOMM Volume No: 11 Page No. 14061	
	International Conference (Proceedings)	1 .	Title of the Paper: Real - Time Wireless Sensor Network for Landslide Detection Authors: Maneesha V Ramesh Name of the Conference: The Fourth International Conference on Sensor Technologies and Applications (SENSORCOMM 2009)	

			Duration of the Conference: June 18-23, 2009 Name of the Organizer: IEEEExplore Conference Venue: Athens/Glyfada, Greece Page No: 405 - 409 Proceedings Published By:	
		2 .	Title of the Paper: Wireless Sensor Network for Landslide Detection Authors: Maneesha V. Ramesh, Sangeeth Kumar, and P. Venkat Rangan Name of the Conference: International Conference on Wireless Networks (ICWN'09) Duration of the Conference: July 13-16, 2009 Name of the Organizer: IEEEExplore Conference Venue: Monte Carlo Resort, Las Vegas, Nevada, USA Page No: Proceedings Published By:	

Year	Type of Publication	Publication Details	
2010	International Journal	1.	Title of the Paper: Lightweight Management Framework (LMF) for a Heterogeneous Wireless Network for Landslide Detection Authors: Sangeeth Kumar, Maneesha V Ramesh Name of the Journal: Recent Trends in Networks and Communications Month and Year of Publication: 2010 Volume No: Volume 90 Page No. 457-471
		2	Title of the Paper: Brain Machine Interface for Continuous Monitoring and Detection of Epileptic

			Seizures Using Wireless Networks Authors: Nisha M.S , Maneesha V. Ramesh Name of the Journal: International Journal of ACM Jordan Month and Year of Publication: 2010 Volume No: Volume 1 Page No. 144-153.
		3	Title of the Paper: Wireless BMI for Continuous Monitoring and Detection of Epileptic Seizures Authors: Nisha M.S , Maneesha V. Ramesh Name of the Journal: International Journal of ACM Jordan Month and Year of Publication: 2010 Volume No: 1 Issue 4, pages/rec.No: 144-153
	National Journal	1.	Title of the Paper: Real-time Monitoring of Explosives Using Wireless Sensor Networks Authors: Simi S, Maneesha V Ramesh Name of the Journal: ACM Digital Library Month and Year of Publication: 2010 Volume No.ISBN: 978-1-4503-0194-7, Article No. 44 Page No.
	International Conference (Proceedings)	1.	Title of the Paper: Real- Time Monitoring and Detection of Heart Attack Using Wireless Sensor Networks Authors: Kala John K, Maneesha V Ramesh Name of the Conference: The Fourth International Conference on Sensor Technologies and Applications

			(SENSORCOMM 2010) Duration of the Conference: July 18 - 25, 2010 Name of the Organizer: IEEEExplore Conference Venue: Venice/Mestre, Italy Page No: 632-636 Proceedings Published By:
		2.	Title of the Paper: Wireless Smart Grid Design for Monitoring and Optimizing Electric Transmission in India Authors: Maneesha V Ramesh, Arya Devi R. D Name of the Conference: The Fourth International Conference on Sensor Technologies and Applications (SENSORCOMM 2010) Duration of the Conference: July 18 - 25, 2010 Name of the Organizer: IEEEExplore Conference Venue: Venice/Mestre, Italy Page No: 637 - 640 Proceedings Published By:
		3.	Title of the Paper: Integrating Geophone Network to Real-Time Wireless Sensor Network System for Landslide Detection Authors: Abishek T.K, Maneesha V Ramesh Name of the Conference: The Fourth International Conference on Sensor Technologies and Applications (SENSORCOMM 2010) Duration of the Conference: July 18 - 25, 2010 Name of the Organizer: IEEEExplore Conference Venue: Venice/Mestre, Italy Page No: 167 - 171 Proceedings Published By:
		4.	Title of the Paper: Signal Processing for Wireless Geophone Network to Detect Landslide Authors: Abishek T.K, Maneesha V Ramesh, Vijayan Selvan, V <i>Name of the Conference:(ICCAIE 2010)</i> <i>2010 International Conference on Computer Applications & Industrial Electronics</i> Duration of the Conference: 5 - 7 December 2010 Name of the Organizer:

			Conference Venue: Kuala Lumpur, Malaysia Page No. Pages: 69 - 73 Proceedings Published By:
		5	Title of the Paper Wireless Sensor Network for Remote Monitoring And Detection of Explosives (W-ReMADE) Authors: S. Simi, Maneesha V Ramesh Name of the Conference: (1st International Workshop on Semantic Sensor Web - SSW 2010 Duration of the Conference: 27-28 October, 2010 Name of the Organizer: Conference Venue:Valencia, Spain Page No. Pages: Proceedings Published By:
		6	Title of the Paper: Intruder Tracking Using Wireless Sensor Networks Authors: Jisha R. C, Maneesha V Ramesh, Lekshmi G.S Name of the Conference: IEEE International Conference on Computational Intelligence and Computing Research, Duration of the Conference: 28-29 Dec. 2010 Name of the Organizer: IEEEExplore Conference Venue: Coimbatore Page No. Pages: 1-5 Proceedings Published By:

	National Conference (Proceedings)	1	Title of the Paper: Real-time Monitoring of Explosives Using Wireless Sensor Networks Authors: Simi S, Maneesha V Ramesh Name of the Conference: ACM-W First Conference of Women in Computing in India, Duration of the Conference: Sep 16-17 2010 Name of the Organizer: Conference Venue: Page No. Pages: Proceedings Published By:

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2011	International Journal	1.	Title of the Paper: The deployment of deep - earth sensor probes for landslide detection Authors: Maneesha V. Ramesh, Nirmala Vasudevan Name of the Journal: Landslide Month and Year of Publication: December 2011 Volume No: Page No.	
		2.	Title of the Paper: Robot Assisted Wireless Sensor Network for Monitoring and Detection of Explosives in Indoor Environment Authors: Joshua D Freeman, Simi S Name of the Journal: International Journal of Computer Science and Engineering, Month and Year of Publication: Volume No. 3	

			Page No. 2046-2053	
		3.	Title of the Paper: Intelligent Steering Wheel Sensor Network for Real Time Monitoring and Detection of Driver Drowsiness Authors: Maneesha V Ramesh, Aswathy K Nair, Abishek T. K Name of the Journal: International Journal of Computer Science and Security (IJCSS) Month and Year of Publication: Volume No. 1 Page No. 3-10	
		4	Title of the Paper: iWEDS-An Intelligent Explosive Detection and Terrorist Tracking System Using Wireless Sensor Network Authors: Balaji Hariharan, Arjun Sasidharan Name of the Journal: IJCSI International Journal of Computer Science Issues Month and Year of Publication: 2011, July Volume No. 8, Issue 4, No 2, July. Page No. 2046-2053	
		5	Title of the Paper: Collaborative Mobile Device Based Data Collection and Dissemination Using MIH for Effective Emergency Management Authors: Aiswaraya Ramachandran, Balaji Haiharan Name of the Journal: World Academy of Science, Engineering & Technology (Academic Journal)	

			Month and Year of Publication: Apr2011 Issue . 52Page No. p666	
		6	Title of the Paper: Dynamic Load Balancing Fairness Access Point Selection Algorithm (DLBFA) for Emergency Situations Authors: Maneesha V Ramesh, Nisha M. S Name of the Journal: Journal of Networks Month and Year of Publication: Issue . Page No.	
		7	Title of the Paper: A Public Transport System Based Sensor Network for Fake Alcohol Detection Authors: Maneesha V Ramesh, Riji N Das Name of the Journal: Springer conference proceedings, World Congress on Engineering 2011 Month and Year of Publication:2011 Volume No. II Page No.	
	National Journal	1.	Title of the Paper: QoS based Performance Analysis of VoWLAN for Emergency calls using QualNet Authors: N.Radhika, Chitra K.R, Anoop Jacob, Anjitha S Name of the Journal: ACWR conference proceedings, ACM DL Month and Year of	

			Publication:21,2011 Volume No.	
			Page No. 527-530	
	International Conference (Proceedings)	1.	Title of the Paper: Real Time Automated Multiplexed Sensor System for Driver Drowsiness Detection Authors: Maneesha V Ramesh, Aswathy K Nair, Abishek T.K Name of the Conference: The 7th International Conference on Wireless Communicaton, Networking and Mobile Computing, Duration of the Conference: Sep23-25, 2011. Name of the Organizer: IEEEExplore Conference Venue: Page No: 1-4 Proceedings Published By:	
		2.	Title of the Paper: Remote monitoring of indoor environment using mobile robot based wireless sensor network Authors: Joshua D Freeman, Simi S Name of the Conference: 6th IEEE International Conference on Computer Science and Education, Duration of the Conference: 3-5 Aug. 2011 Name of the Organizer: Conference Venue: Super star Virgo,Singapore Page No: 1080 - 1084 Proceedings Published By:	

		3.	Title of the Paper: Design of Medium Independent Handover based Emergency Communication Scheme Using Vehicular Technology Authors: Maneesha V Ramesh, Nisha M.S Name of the Conference: Communication Software and Networks (ICCSN ,2011) Duration of the Conference: 27 May - 29 May 2011 Name of the Organizer: Xidian University Xi'an, China Conference Venue: Convention Center of Xidian University Xi'an, China Page No. Pages: 355 - 358 Proceedings Published By:	
		4.	Title of the Paper: Design of optimization algorithm for WLAN AP selection during Emergency situations Authors: Maneesha V Ramesh, Nisha M.S Name of the Conference: Communication Software and Networks (ICCSN ,2011) Duration of the Conference: 27 May - 29 May 2011 Name of the Organizer: Xidian University Xi'an, China Conference Venue: Convention Center of Xidian University Xi'an, China Page No. Pages: 340 - 344 Proceedings Published By:	

		5	Title of the Paper: Wireless Sensor Network Based Localization Scheme for Tracking Emergency Responders in Disaster Area Authors: Abishek T. K., Aparana Madhusoodanan, Maneesha V Ramesh Name of the Conference: Wireless Communications and Applications: First International Conference, ICWCA 2011 Duration of the Conference: August 1-3, 2011 Name of the Organizer: Conference Venue: <i>Sanya, China</i> Page No. Pages: pp 1-10 Proceedings Published By:	
		6	Title of the Paper: Wireless Integrated Robots for Effective Search and Guidance of Rescue Teams Authors: Josh D Freeman, Vinu Omanan, Maneesha V Ramesh <i>Name of the Conference: WOCN 2011 : Eighth International Conference on Wireless and Optical Communications Networks</i> Duration of the Conference: May 24, 2011 - May 26, 2011 Name of the Organizer: Conference Venue: Paris, France Page No. Pages: 1 - 5 Proceedings Published By:	
		7	Title of the Paper: C-VIEW: Collaborative VIEW by Optimally Positioned Wireless Integrated Flying Robots Authors: Maneesha V Ramesh, Anjana Krishnan H, Abishek T.K Name of the Conference: The 7th International Conference on Wireless Communications, Networking and Mobile Computing (WiCOM 2011) Duration of the Conference: 23-25 Sept. 2011	

			Name of the Organizer: Conference Venue: Wuhan,China Page No. Pages: 1-5 Proceedings Published By:	
		8	Title of the Paper: WISION- Wireless Interface System for Interpretation of Ocular symbols from People with Neuromuscular Diseases Authors: Maneesha V Ramesh, Aswathy Asok Nair, K.A. U Menon Name of the Conference: The 7th International Conference on Wireless Communications, Networking and Mobile Computing (WiCOM 2011) Duration of the Conference: 23-25 Sept. 2011 Name of the Organizer: Conference Venue: Wuhan,China Page No. Pages: 1-5 Proceedings Published By:	
		9	Title of the Paper: WiEyeTNB: A Wireless Sensor Based Drowning Detection System for Enhanced Parental Care Authors: Balaji Hariharan, Riji N Das, Arjun SABishek T. K., Aparana Madhusoodanan, Maneesha V Ramesh Name of the Conference: 6th International ICST Conference on Wireless Internet, (Wicon_2011) Duration of the Conference: October 19-21 2011 - Xi'An, China Name of the Organizer: Conference Venue: Xi'An, China Page No. Pages: 511-520 Proceedings Published By:	

		10	Title of the Paper: SleepGaze: A Wireless System for Monitoring and Detection of Sleep Disorders Authors: K.A. Unnikrishna Menon , Davis Jose , Maneesha V. Ramesh Name of the Conference: The 2011 World Congress in Computer Science, Computer Engineering, and Applied Computing - BIOCOMP'11 Track, Duration of the Conference: July 18-21 Name of the Organizer: Conference Venue: Las Vegas, USA Page No. Pages: Proceedings Published By:	
	National Conference (Proceedings)	1.	Title of the Paper: Channel Modeling for Ad-Hoc Communication in an Underground in an Underground Sensor Network Authors: Abishek T.K, Prasanth. M. Warriar Name of the Conference: ICCCNT 2012 Third International Conference on Computing, Communication and Networking Technologies (ICCCNT'12) Duration of the Conference: 26-28 July 2012 Name of the Organizer: Conference Venue: SNS College of Engineering Coimbatore, Tamilnadu, India Page No: 1264 - 1269 Proceedings Published By:	
		2	Title of the Paper: Smart Distribution Electrical Grid for India Authors: Arya devi R D, Maneesha V Ramesh Name of the Conference: First International Conference on Wireless Technologies for Humanitarian Relief- ACWR , India Duration of the Conference: December 18th to 21st 2011. Name of the Organizer: Amrita	

			University, (AWNA)India Conference Venue: Amrita University ,Amritapuri , kollam, Kerala, india Page No: Pages 541-542 Proceedings Published By:	

1.

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2012	International Journal	1.	Title of the Paper: Node Failures, Data Aggregation Delay and Its Impact on Power Optimization in Balanced Sensor Networks Authors: Kamalanathan Kandasamy, Sreedevi. A. G., P. Venkat Rangan, Maneesha V.Ramesh Name of the Journal: International Journal of Wireless & Mobile Networks (IJWMN) Month and Year of Publication: June, 2012 Volume No: Vol. 4, No. 3, Page No.	
		2.	Title of the Paper: WiEyeTNB: A Wireless Sensor Based Drowning Detection System for Enhanced Parental Care Authors: Balaji Hariharan, Riji N Das, Arjun S Name of the Journal: Springer Month and Year of Publication: 2012 Volume No.98 Page No. pp 511-520	
	National Journal	1.	Title of the Paper: Authors: Name of the Journal: Month and Year of Publication: Volume No. Page No.	
	International	1.	Title of the Paper: Energy Efficient	

	Conference (Proceedings)		Clustering Protocol for Early warning system for Miner's safety in Coal Mines Authors: K.A.Unnikrishna Menon, Deepa Maria, Hemalatha Thirugn Name of the Conference: Wireless and Optical Communications Conference (WOCC2012),Taiwan, 19-20 April 2012. Duration of the Conference: 19-21 April 2012 Name of the Organizer: IEEEExplore Conference Venue: Kaohsiung, Taiwan Page No: 99 - 104 Proceedings Published By:	
		2.	Title of the Paper: AER:Adaptive Energy Efficient Routing Protocol For Network of Flying Robots Monitoring over Diaster Hit Area Authors: Abishek T.K, Chitra K.R, Maneesha V Ramesh Name of the Conference: Wireless and Optical Communications Conference (WOCC), 2012. Duration of the Conference: 19-21 April 2012 Name of the Organizer: IEEEExplore Conference Venue: Kaohsiung, Taiwan Page No: 166 - 169 Proceedings Published By:	
		3.	Title of the Paper: AER: Resolution Scaled Quality Adaptation for Ensuring Video Availability in Real-Time systems Authors: Krishnapriya.S, Balaji Hariharan, Sangeeth Kumar Name of the Conference: Wireless and Optical Communications Conference (WOCC), 2012. Duration of the Conference: 19-21 April 2012 Name of the Organizer: Conference Venue: Kaohsiung, Taiwan Page No: 166 - 169	

			Proceedings Published By:	
		4.	Title of the Paper: Energy Comparison of Balanced and Progressive Sesor Networks Authors: Maneesha V.Ramesh, Sreedevi.A.G, Kamalanathan.K,P., Venkat Rangan Name of the Conference: Wireless and Optical Communications Conference (WOCC), 2012. Duration of the Conference: 19-21 April 2012 Name of the Organizer: Conference Venue: Kaohsiung, Taiwan Page No: 93 - 98 Proceedings Published By:	
		5.	Title of the Paper: Security Enhancement in Wireless Sensor Networks using Machine Learning Authors: Aswathy.B. Raj, Maneesha V Ramesh, Ragavendra.V.Kulkarni, Hemalatha.T Name of the Conference: Advances of High Performance Computing and Networking (AHPCN-2012). Duration of the Conference: AHPCN 2012,, 25-27 June 2012 Name of the Organizer: Conference Venue: Liverpool, UK Page No: 1264 - 1269	

		6	Title of the Paper :(ADEN) Adaptive Energy Efficient Network of Flying Robots Monitoring over Disaster Hit Area Authors: Abishek T.K, Chitra K. R, Maneesha V Ramesh Name of the Conference: International Workshop on Wireless Sensor, Actuator and Robot Networks (WiSARN) Duration of the Conference: 16-18 May 2012 Name of the Organizer: Conference Venue: Hangzhou, China Page No: 306 - 310 Proceedings Published By:	
		7	Title of the Paper: Wireless Sensor Network Security: Real-Time Detection and Prevention of Attacks Authors: Aswathy.B.Raj,Dr.Maneesha V Ramesh,Hemalatha. Name of the Conference: International Conference on Advanced Computer Control (ICACC) Duration of the Conference: Dec.29-30, 2012 Name of the Organizer: IEEEExplore Conference Venue: Shanghai, China Page No: Proceedings Published By:	

		8	Title of the Paper: DVM based Scalable and Adaptive Multipath Routing in MANET for Emergency Rescue Application Authors: Maneesha V Ramesh, Prabhakaran.P, Shameem Ansar.A, Rekha.P Name of the Conference: Wireless and Optical Communications Conference (WOCC), 2012. Duration of the Conference: 19-21 April 2012 Name of the Organizer: Conference Venue: Kaohsiung, Taiwan Page No: 123 - 129 Proceedings Published By:	
		9	Title of the Paper: Wireless Sensor Network based Ubiquitous Multi-Context Modeling and Reasoning Authors: Maneesha V Ramesh, Anjitha S, Rekha P Name of the Conference: International Workshop on Context-Aware Computing Applications and Services via Wireless Sensor Network (CAC-WSN 2012) Duration of the Conference: 6-8 September 2012 Name of the Organizer: Conference Venue: Gwangju, Korea Page No: Proceedings Published By:	
		10	Title of the Paper: A Novel Wireless Sensor Network Architecture for Crowd Disaster Mitigation Authors: Maneesha V Ramesh, Anjitha.S, Rekha. P. Name of the Conference: International Conference on Wireless Communications, Networking and Mobile Computing (WiCOM 2012) Duration of the Conference: 21-23 September, 2012. Name of the Organizer: Conference Venue: Shanghai, China	

			Page No: Proceedings Published By:	
		11	Title of the Paper: Participatory Sensing Platform to Revive Communication Network in Post-Disaster Scenario Authors: Maneesha V Ramesh, Anoop Jacob, Aryadevi. R. D Name of the Conference: Wireless and Optical Communications Conference (WOCC), 2012. Duration of the Conference: 19-21 April 2012 Name of the Organizer: Conference Venue: Kaohsiung, Taiwan Page No: 118 - 122 Proceedings Published By:	
		12	Title of the Paper: Power aware seamless emergency communication for heterogeneous wireless networks Authors: Balaji Hariharan, Sreejith.K, Sangeet Name of the Conference: Wireless and Optical Communications Conference (WOCC), 2012. Duration of the Conference: 19-21 April 2012 Name of the Organizer: Conference Venue: Kaohsiung, Taiwan Page No: 83 - 88 Proceedings Published By:	

		13	Title of the Paper: Resolution Scaled Quality Adaptation for Ensuring Video Availability in Real-Time systems Authors: Krishnapriya.S, Balaji Hariharan, Sangeeth Kumar Name of the Conference: High Performance Computing and Communication & 2012 IEEE 9th International Conference on Embedded Software and Systems (HPCC-ICISS). Duration of the Conference: , June 25-27, 2012 Name of the Organizer: Conference Venue: Liverpool, United Kingdom Page No: 873 - 878 Proceedings Published By:	
		14	Title of the Paper: ER-TRACK: A Wireless Device for Tracking and Monitoring Emergency Responders Authors: Abishek T.K., Preeja Pradeep, Maneesha V Ramesh Name of the Conference: sciencePASTH2012 Duration of the Conference: , 27-29 August, 2012. Name of the Organizer: Conference Venue: Canada, Page No: 1080-1085. Procedia CS, Vol. 10 (2012) Proceedings Published By: Elesevier	

		15	Title of the Paper: Energy Efficient Clustering Protocol for Early warning system for Miner's safety in Coal Mines Authors: K.A.Unnikrishna Menon, Deepa Maria, Hemalatha Thirugnanam Name of the Conference: WOCC2012 Duration of the Conference: 19-20 April 2012. Name of the Organizer: Conference Venue: Taiwan Page No: 99 - 104 Proceedings Published By: IEEE Xplore	
		16	Title of the Paper: AER: Adaptive Energy Efficient Routing Protocol For Network of Flying Robots Monitoring over Disaster Hit Area Authors: Abishek T.K, Chitra K.R, Maneesha V Ramesh Name of the Conference: Wireless and Optical Communications Conference (WOCC) Duration of the Conference: 19-21 April 2012 Name of the Organizer: IEEE Xplore Conference Venue: Taiwan Page No: 166 - 169 Proceedings Published By: IEEE Xplore	

	National Conference (Proceedings)	1.	Title of the Paper: Channel Modeling for Ad-Hoc Communication in an Underground in an Underground Sensor Network Authors: Abishek T.K, Prasanth. M. Warriar Name of the Conference: ICCCNT 2012 Third International Conference on Computing, Communication and Networking Technologies (ICCCNT'12) Duration of the Conference: 26-28 July 2012 Name of the Organizer: Conference Venue: SNS College of Engineering Coimbatore, Tamilnadu, India Page No: 1264 - 1269 Proceedings Published By:	
		2	Title of the Paper: Performance Enhancement in Distributed Sensor Localization using Swarm Intelligence Authors: Maneesha V.Ramesh, Divya.P.L., Ragavendra kulkarni, Rekha .P Name of the Conference: MNCApps-2012, Bangalore Duration of the Conference: 01-02 August 2012 Name of the Organizer: Conference Venue: The Monarch Luxur # 67, Infantry Road, Bangalore : 560 001 Page No: 103-106 Proceedings Published By:	
		3	Title of the Paper: A Swarm Intelligence based distributed localization technique for Wireless Sensor Network Authors: Maneesha V. Ramesh, Divya P.L., Ragavendra kulkarni, Rekha manoj Name of the Conference: International Conference on Advances in	

			Computing, Communications and Informatics, (ICACCI 2012) Duration of the Conference: 03-05 August 2012. Name of the Organizer: Conference Venue: RMK Engineering College, Chennai, Tamilnadu, India Page No: 367-373 Proceedings Published By:	
		4	Title of the Paper: Performance Comparison and Node Failure Assessment of Energy Efficient Two Level Balanced and Progressive Sensor Networks Authors: Maneesha V.Ramesh, Sreedevi.A.G, Kamalanathan Kandasamy, P.Venkat Rangan Name of the Conference: International Conference on Advances in Computing, Communications and Informatics, (ICACCI 2012) Duration of the Conference: 03-05 August 2012. Name of the Organizer: Conference Venue: RMK Engineering College, Chennai, Tamilnadu, India Page No: 374-381 Proceedings Published By:	
		5	Title of the Paper: Interference Reduction and Power Optimization in Wireless EEG Authors: K.A.Unnikrishna Menon, Kavitha.K, Abishek.T.K Name of the Conference : ICCCNT 2012, Third International Conference on Computing, Communication and Networking Technologies (ICCCNT'12) Duration of the Conference: 26-28 July 2012 Name of the Organizer: Conference Venue: SNS College of Engineering Coimbatore, Tamilnadu, India Page No:	

			Proceedings Published By:	
		6	Title of the Paper: Power Competent Health Monitoring System for a Disaster hit area Authors: Rajesh Kannan Megalingam, Savya sugunan, Abishek T.K Name of the Conference: ICCCNT 2012, Third International Conference on Computing, Communication and Networking Technologies (ICCCNT'12) Duration of the Conference: 26-28 July 2012 Name of the Organizer: Conference Venue: SNS College of Engineering Coimbatore, Tamilnadu, India Page No: Proceedings Published By:	
		7	Title of the Paper: Efficient Patient Monitoring For Multiple Patients Using WSN Authors: Maneesha V Ramesh, Rajesh kannan Megalingam, Divya. M. Kaimal Name of the Conference: MNCApps-2012 Duration of the Conference: 01-02 August 2012 Name of the Organizer: Conference Venue: The Monarch Luxur # 67, Infantry Road, Bangalore : 560 001, India Page No: 87 - 90 Proceedings Published By:	
		8	Title of the Paper: Low Power Intelligent Wearable Cardiac Sensor using Discrete Wavelet Compression Authors: Maneesha V Ramesh, Abishek.T.K, Ragi.G.R Name of the Conference: MNCApps-2012 Duration of the Conference: 01-02	

			August 2012 Name of the Organizer: Conference Venue: The Monarch Luxur # 67, Infantry Road, Bangalore : 560 001,India Page No: 107 - 110 Proceedings Published By:	
		9	Title of the Paper: Mobile Software Platform for Rural Health Enhancement Authors: Maneesha V Ramesh, Sruthy Anand, Rekha.P Name of the Conference: MNCApps-2012 Duration of the Conference: 01-02 August 2012 Name of the Organizer: Conference Venue: The Monarch Luxur # 67, Infantry Road, Bangalore : 560 001,India Page No: 131 - 134 Proceedings Published By:	
		10	Title of the Paper: Locating and Monitoring Emergency Responder using a Wearable Device Authors: Abishek T. K, Preeja Pradeep, Maneesha V Ramesh Name of the Conference: ICACCI 2012, : International Conference on Advances in Computing, Communications and Informatics, (ICACCI 2012) Duration of the Conference: 3-5 August 2012 Name of the Organizer: Conference Venue: RMK Engineering College, Chennai,Tamilnadu, India Page No: 1163-1168 Proceedings Published By:	
		11	Title of the Paper: An Intelligent Decision Support System for	

			Enhancing an m-Health Application Authors: Maneesha V Ramesh, Anu.T.A., Hemalatha T Name of the Conference: WOCN 2012, International Conference on Wireless and Optical Communications Networks Wocn2012 Duration of the Conference: 20- 22 September 2012 Name of the Organizer: Conference Venue: Sri Aurobindo Institute of Technology, Indore, MP, INDIA Page No: 1 - 5 Proceedings Published By:	
		12	Title of the Paper: A Mobile Software for Health Professionals to Monitor Remote Patients Authors: Maneesha V Ramesh, Sruthy Anand, Rekha.P Name of the Conference: WOCN 2012, International Conference on Wireless and Optical Communications Networks Wocn2012 Duration of the Conference: 20- 22 September 2012 Name of the Organizer: Conference Venue: Sri Aurobindo Institute of Technology, Indore, MP, INDIA Page No: 20-22 Proceedings Published By:	
		13	Title of the Paper: Wireless Sensor Network for River Water Quality Monitoring in India Authors: Divya.P, Dr. Maneesha V Ramesh, K.A. Unnikrishna Menon Name of the Conference: ICCCNT	

			2012, Third International Conference on Computing, Communication and Networking Technologies (ICCCNT'12) Duration of the Conference: 26-28 July 2012 Name of the Organizer: Conference Venue: SNS College of Engineering Coimbatore, Tamilnadu, India Page No: 20-22 Proceedings Published By:	
		14	Title of the Paper: DVM based Multipath Routing in MANET for Different Scalable and Adaptive Environment Authors: Shameem Ansar. A, Prabakaran. P, Maneesha V Ramesh, Rekha P Name of the Conference: International Conference on Data Science and Engineering (ICDSE) Duration of the Conference: 18-20 July 2012. Name of the Organizer: IEEE Conference Venue: Cochin University of Science & Technology, Kochi, India Page No: 187 - 193 Proceedings Published By:	
		15	Title of the Paper: Enhanced Emergency Communication Using Mobile Sensing and MANET Authors: Maneesha V. Ramesh, Anoop Jacob, Aryadevi R.D Name of the Conference: International Conference on Advances in Computing, Communications and Informatics, (ICACCI 2012) Duration of the Conference: Aug 3, 2012 - Aug 5, 2012 Name of the Organizer: Conference Venue: RMK Engineering College, Chennai, Tamilnadu, India	

			Page No: 318-324	
			Proceedings Published By:	
		16	Title of the Paper: Participatory Sensing for Emergency Communication via MANET Authors: Maneesha V Ramesh, Anoop Jacob, Aryadevi. R. D Name of the Conference International Conference on Data Science and Engineering (ICDSE) Duration of the Conference: 18-20 July 2012 Name of the Organizer: Conference Venue: Cochin University of Science & Technology, Kochi, India Page No: 181 - 186 Proceedings Published By:	
		17	Title of the Paper: Remote Student Localization using Audio and Video Processing for Synchronous Interactive E-Learning Authors: Balaji Hariharan, Aparna Vadakkeppatt, Sangeeth Kumar Name of the Conference: ICCCNT 2012, Third International Conference on Computing, Communication and Networking Technologies (ICCCNT'12) Duration of the Conference: 26-28 July 2012 Name of the Organizer: Conference Venue: SNS College of Engineering Coimbatore, Tamilnadu, India Page No: Proceedings Published By:	
		18	Title of the Paper: Power Optimization Strategies for Wireless Sensor Networks in coal Mines Authors: K.A.Unnikrishna Menon, Deepa Maria, Hemalatha Thirugnanam Name of the Conference: WOCN 2012,	

			International Conference On Wireless And Optical Communications Networks Duration of the Conference: 20-22 September 2012. Name of the Organizer: Conference Venue: Sri Aurobindo Institute of Technology, Indore, MP, INDIA Page No: 1 - 5 Proceedings Published By:	

III. Book Chapter Publications

- I. Rajesh Kannan, Deepu, K.B., Iype, J.P., Parthasarathy, R., Gautham, P., "Power consumption analysis of direct, set associative and phased set associative cache organizations in alpha AXP 21064 processor", 2010 Communications in Computer and Information Science, 70, 114-119 (Book Chapter)
- II. Rajesh Kannan Megalingam, Mithun Muralidharan Nair, Rahul Srikumar, Venkat Krishnan Balasubramanian, Vineeth Sarma Venugopala Sarma, Novel Variance based Spatial Domain Watermarking and its Comparison with DIMA and DCT based Watermarking Counterparts, Book: Matlab, ISBN 979-953-307-124-3, INTECH Open Access Publishers, University Campus, STeP Ri, Croatia, 2011 (Book Chapter)
- III. Rajesh Kannan Megalingam, Manoj Prakhya, Ramesh Nammily Nair, and Mithun Mohan, Intelligent Home Navigation System for the Elderly and Physically Challenged, Book: Autonomous Robots: Control, Sensing and Perception, Editors: Edgar A. Martinez-Garcia and Luz Abril Torres-Mendez, Cuvillier-Verlag, Cuvillier Verlag Oct 2011, ISBN: 978-3-86955-866-0 Germany 2011 (Book Chapter)

23. Details of patents and income generated

S. No	Title of the Patent / Invention	Name(s) of the staff	Month and Year of Patent Registration / Invention	Patent / Invention Details	Income generated
1.	Method and apparatus for segmenting	Dr Nithin Nagaraj	9 March 2010	US PAT# 7,676,257	

	structure in CT angiography				
2	Graph extraction labelling and visualization	Dr Nithin Nagaraj	18 May 2010	US PAT# 7,719,533	
3	Bandpass Delta-Sigma ADC with notch at $f_s/4$ Using Pipelined ADC	Dr Bibhu	2013	Provisional	
4	Artificial Humanoid Robotic Hand and Process of Manufacturing Thereof	Ganesha Udupa	Dated 24/10/2011 .	Patent No : 3631/CHE/ 2011	
5	A Device For Sensing Fluid Pressure	Ganesha Udupa,	Dated 18/05/2012.	Patent No: 2000/CHE/ 2012	

24. Areas of consultancy and income generated

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Note: Provide tabular data, with faculty name, designation, name of outside institution, dates, theme of visit, and outcomes

<i>faculty name</i>	<i>designation</i>	<i>name of outside institution</i>	<i>dates</i>	<i>theme of visit</i>
Preetha P.K	Asst. Proffesor	Manchester, U.K	December 5–7, 2011	IEEE International Conference on Innovative Smart Grid Technologies (ISGT 2011)
Srikanth Vasudevan Pillai	Asst. Proffesor	Illionois, USA.	February 22 and 23, 2013	IEEE Power And Energy Conference
Dr Bibhu	Associate Proffesor	ANURAG, DRDO, Hyderabad	18 th Sept. 2013	CEP Course on “Mixed signal and RFIC Design for Communication Application”
Dr Bibhu	Associate Proffesor	IIT Hydrabad	19 th and 20 th September 2013	Switched Capacitor Circuit Design. System Level Modeling of ADC.

<i>Dr Bibhu</i>	<i>Associate Proffesor</i>	Analog Devices, Bangalore	10th, 17 th and 24 th September 2012	Training Course In Analog Design Chaos - and its applications to Communications and Computing, <i>Invited Talk</i> , National Conference on Advanced Computing and Communications (NCACC 2013), Sree Buddha College of Engineering, When Information Meets Chaos: Applications of Symbolic Dynamics, <i>Invited Talk</i> , Mini - Symposia on Time Series Analysis and Fractals, National Conference on Nonlinear Systems and Dynamics (NCNSD 2012) The Art and Science of Cryptography, Break-the-Code Challenge and How to Read/Write a Research Paper, <i>Invited Talk</i> , Sree Buddha College of Engineering, Pattoor, Kerala, May 16, 2012. Foundational Ideas of Mathematics, as a part of Foundation Course for 1st Year PhD students, National Institute of Advanced Studies, The Art and Science of Cryptography & Break-the-Code Challenge, <i>Invited Talk,</i> Compressed
<i>Dr. Nithin Nagaraj</i>	<i>Assistant Professor</i>	Sree Buddha College of Engineering, Pattoor, Kerala,	March 22, 2013.	
<i>Dr. Nithin Nagaraj</i>	<i>Assistant Professor</i>	IISER Pune	July 14, 2012.	
<i>Dr. Nithin Nagaraj</i>	<i>Assistant Professor</i>	Sree Buddha College of Engineering, Pattoor, Kerala,	May 16, 2012.	
<i>Dr. Nithin Nagaraj</i>	<i>Assistant Professor</i>	IISc. Campus, Bangalore,	November 7 - 8, 2011.	
<i>Dr. Nithin Nagaraj</i>	<i>Assistant Professor</i>	PSG College of Technology, Coimbatore,	September 29, 2011.	
<i>Dr. Nithin</i>	<i>Assistant</i>	Samsung	June 24, 2011.	

<i>Nagaraj</i>	<i>Professor</i>	India Software Operations (SISO), Bangalore,		Sensing: An Introduction, Invited Talk,
<i>Dr. Nithin Nagaraj</i>	<i>Assistant Professor</i>	Bangalore,	May 19, 2011.	Chaos in 1 - Dimensional Maps, invited talk, GE Global Research Center, John F. Welch Technology Center, Chaos and Cryptography, A short course offered (jointly with Prof. Prabhakar G. Vaidya (NIAS)) at the invitation of Department of Mathematics, University of Sains Malaysia (USM), Penang, Malaysia, An Introduction to Compressed Sensing, invited talk. Dept. of Electronics and Comm. Engg., National Institute of Technology Karnataka (NITK), Surathkal Excursions into Mathematics: Some Beautiful Ideas, as a part of Foundation Course for 1st Year PhD students, National Institute of Advanced Studies, The Fascinating World of Cryptography, Sree Buddha College of Engineering, The Art and Science of Cryptography, lectures to class 9 - 11 kids, Chaos, Randomness
<i>Dr. Nithin Nagaraj</i>	<i>Assistant Professor</i>	Malaysia,	April 13 - 15, 2011.	
<i>Dr. Nithin Nagaraj</i>	<i>Assistant Professor</i>	National Institute of Technology Karnataka (NITK), Surathkal	, March 23, 2011.	
<i>Dr. Nithin Nagaraj</i>	<i>Assistant Professor</i>	IISc. Campus, Bangalore,	November 11- 12, 2010.	
<i>Dr. Nithin Nagaraj</i>	<i>Assistant Professor</i>	Pattoor, Kerala,	August 18, 2010.	
<i>Dr. Nithin Nagaraj</i>	<i>Assistant Professor</i>	Rishi Valley School	July 31, 2010.	
<i>Dr. Nithin</i>	<i>Assistant</i>	Poornaprajna	June 17, 2010.	

Nagaraj	Professor	Institute of Scientific Research, Bangalore		& Cryptography, Prajnaamrita Lecture Series,
Dr. Nithin Nagaraj	Assistant Professor	Institute of Scientific Research, Bangalore	June 14, 2010.	Chaos and Communications, Prajnaamrita Lecture Series, Poornaprajna A Brief History of Cryptography, AICTE sponsored National Seminar- Quantum Crptography, an invited talk
Dr. Nithin Nagaraj	Assistant Professor	College of Engineering Perumon, Kollam	November 20, 2009.	The Art and Science of Cryptography: From Ancient to Modern Ciphers ,an invited talk
Dr. Nithin Nagaraj	Assistant Professor	LNMIIT, Jaipur	August 29, 2009.	Does God Really Need to Play Dice? - On Randomness, Chaos & Cryptography, an invited talk
Dr. Nithin Nagaraj	Assistant Professor	LNMIIT, Jaipur	August 29, 2009.	Novel Applications of Chaos Theory to Coding and Cryptography, an invited talk
Dr. Nithin Nagaraj	Assistant Professor	National Institute of Advanced Studies, IISc. Campus Musaliar	May 22, 2009.	National Workshop on VLSI Signal Processing, Chief Guest -Invited talk
Dr. Sundar Gopal	Associate Professor	College of Engineering, Pathanamthitta	March 1 – 2, 2012.	
Mr. Ramesh Bhakthavathalu	Assistant Professor	Velapally Natesan College of Engineering, Kayamkulam,	Oct 9, 2012	Trends in Integrated Circuits Technology, Chief Guest -Invited talk,
Shriram Nandakumar	Assistant Professor	College of Engineering (IHRD), Adoor.	June 26, 2013	Invites talk on Information Theory as a part of Faculty Development Programme
Bri.Remya	Assistant Professor	IHRD College of Engineering, Karunagappal	July 23, 2013	VLSI Architecture for DSP Algorithms at IHRD College of Engineering,

26. Faculty serving in

- n) National committees b) International committees c) Editorial Boards d) any other (please specify)

Editorial Board

- Dr. M R Kaimal- Editorial member for the journal of Kerala Mathematics Association.
- Dr Nithin Nagaraj-Associate Professor
Reviewer for the International Journals: Image Processing; Information Forensics & Security), European Physics Journal, International Journal of Bifurcation and Chaos, Journal of Theoretical Biology, of Information Sciences (Elsevier), CSIT (Springer)CHAOS (American Institute of Physics), CNSNS (Elsevier),International Journal of Imaging, EURASIP Journal of Information Security, Acta Applicandae, Mathematicae (Springer), Computers and Mathematics with Applications (Elsevier), Mathematical Problems in Engineering (Hindawi), Journal of Franklin Institute (Elsevier) and Journal of Information Sciences (Elsevier), CSIT (Springer).
- Rajesh Kannan Megalingam- IEEE KERALA SECTION

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions**

S. No	School Name	Department Name	Programme Name	Dates: (DD/MM/YY to DD/MM/YY)	# Attendees	Location / Venue
1	ASE	CSE & CSA	Distributed database		30	Amritapuri
2	ASE	EEE	ETHICS IN TEACHING	5/9/2012-8/9/2012	7	Amritapuri
3	ASE	School Level	Faculty Development Programme Sadgamaya	July 2012	35	Amritapuri
4	ASE, Bangalore	CSE	Workshop on High Performance Computing	Mar 2012	2	Bangalore
5	ASE, Amritapuri	Mathematics	Workshop on Mathematical Analysis	June 20-22, 2011	1	Amritapuri
6	ASE, Amritapuri	CSE	Workshop on Python Programming	26/8/2009 – 27/8/2009	30	Amritapuri
7	ASE, Amritapuri	CSE	Learning Methods	July 19, 2008	10	Amritapuri

	uri		Adopetd by IT Industry			
8	ASE, Amritapuri	CSE	Work shop on Free and Open Softwares	26/8/2008 - 27/8/2008	1	Amritapuri
9	ASE	ECE	Workshop on Digital Communication	24/1/09-26/1/09	12	Amritapuri
10	ASE	ECE	Workshop on Electronics Circuit	12/7/13-14/7/13	70	Amritapuri
11	ASE	ECE	Sadgamaya' 12	11/7/13 to 13/7/13	6	Amritapuri
12	ASE	ECE	Embedded Systems and DSP	30/6/08 to 4/7/08	3	ASE, Bangalore
13	ASE	ECE	International Conference on Communication Technology & System Design 2011	7/12/11 to 9/12/11	1	ASE,ETTI MADAI
14	ASE	ECE	Lecture Series on Robotics and Haptics	21/9/11 .	1	AMMACHI LABS, Amritapuri
15	ASE	ECE	Lecture Workshop on Mathematical Analysis	20/6/11 to 22/6/11	1	ASA, Amritapuri
16	ASE	ECE	NBHM Sponsored Workshop on Stochastic Processes	19/12/08 to 22/12/08	1	ASA, Amritapuri

Sl. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants		Source of Funding	Seminar / Workshop Outcome
1.	Lab Orientation Programme for even semester	1-7 th January 2013	Local	35	Amrita Vishwa Vidyapeetham	Equipped the faculty to handle lab sessions effectively
			Within State			
			Outside State			

2.	Talk on “Energy efficiency Considerations in Power Systems” by Mr. Narayanan A. M & Talk on “The Electric car and the renewable energy Sources- Hype or Solution?” by Dr. Peter Magyar	20 th December 2012	Local	77	Amrita Vishwa Vidyapeetham	Official Inauguration of IEEE- IAS student Chapter
			Within State			
			Outside State			
3.	FDP on “Ethics in Teaching”	5 th -7 th December 2012	Local	53	Amrita Vishwa Vidyapeetham	Helped the participants to improve the teaching qualities
			Within State			
			Outside State			
4.	FDP on “Laboratory Experiments & Equipment Maintenance” (as a part of Inauguration of Equipment repair centre) by Prof. P Madhavan nair	29 th -30 th November 2012	Local	26	Amrita Vishwa Vidyapeetham	Useful for the faculty members to design a laboratory experiment and Fault diagnose in laboratory experiments
			Within State			
			Outside State			
5.	Talk on “ Safe Switching for Operation & Maintenance” By MR. Erling Hesla	14 th November 2012	Local	90	Amrita Vishwa Vidyapeetham	Get an idea about the switching procedures for routine operation of the power system
			Within State			
			Outside State			
6.	Talk on “ Integrated Energy Management methodology” by Mr. Jayakumar Nair	16 th October 2012	Local	80	Amrita Vishwa Vidyapeetham	Get an idea about how the energy management methodology help in energy
			Within State			
			Outside State			

						conservation
7.	Lab Orientation Programme for odd semester	16- 21 st July 2012	Local	30	Amrita Vishwa Vidyapeetham	Equipped the faculty to handle lab sessions effectively
			Within State			
			Outside State			

S. No	School Name	Department Name	Programme Name	Dates: (DD/MM/YY to DD/MM/YY)	# Attendees	Location / Venue
1	ASE	EEE Department	Lab Orientation Programme for odd semester	4 th to 8 th July 2011	15	EEE Department
2	ASE	EEE Department	Training sessions on Lab- View software	10 th & 11 th October 2011	8	EEE Department
3	ASE	EEE Department	ISTE sponsored two week workshop on Solar Photovoltaics: Fundamentals, Technologies and Applications	12 th to 22 nd December 2011	22	EEE Department
4	ASE	EEE Department	Lab Orientation Programme for even semester	2 nd to 4 th January 2012	15	EEE Department
5	ASE	EEE Department	Faculty Development programme on Electromagnetic Theory	5 th to 7 th January 2012	12	EEE Department

S. No.	School Name	Department Name	Programme Name	Dates: (DD/MM/YY to DD/MM/YY)	# Attendees	Location / Venue

1	ASE	EEE	Short term training program on “Smart Grid: Application and challenges”	21-23 December 2010	28	CIR Learning room, Main Building , Amritapuri Campus
2	ASE	EEE	FDP on lab sessions	June 2010	All teaching and Non teaching staff of EEE	Respective laboratories
3	ASE	EEE	FDP on lab sessions	December 2010	All teaching and Non teaching staff of EEE	Respective laboratories

S. No	School Name	Department Name	Programme Name	Dates: (DD/MM/YY Y to DD/MM/YY)	# Attendees	Location / Venue
1	ASE	EEE	FDP on lab sessions		All teaching and Non teaching staff of EEE	Respective laboratories
2	ASE	EEE	FDP on lab sessions		All teaching and Non teaching staff of EEE	Respective laboratories

S. No.	School Name	Department Name	Programme Name	Dates: (DD/MM/YY to DD/MM/YY)	# Attendees	Location / Venue
1	ASE	EEE	FDP	July 27,28 ,30, 2008	8	E-learning centre, Amritapuri campus
2	ASE	EEE	FDP by CCR	18-19 December, 2008	All EEE staff	Amritapuri campus
3	ASE	EEE	FDP on	May 13-16,	All EEE	Amritapuri

			Soft computing Techniques	2009	staff	campus
4	ASE	EEE	FDP on “Power system Relaying ”	June 19 to 22, 2009	All EEE staff	Amritapuri campus

S. No.	Details	Date	Faculty
1	Fourth SERC School on Micro Fabrication and Micro Machining Processes, Jadavpur University , Kolkata.	Apr 5-10, 2010.	Dr. Ganesha Udupa
2	Faculty Enablement program for the elective offerings from Product Lifecycle and Engineering Solutions, Infosys, Mysore.	Jun 21-29, 2010.	Dr. Ganesha Udupa
3	National workshop on Advanced metrology and calibration techniques in modern production industries.	April 24-25, 2013.	Dr. Ganesha Udupa
4	Short term course ‘Research Methodology & Open Source Computational Tools’ at College of Engineering, Trivandrum.	Nov 29-Dec 4, 2010.	Mr. Pramod S
5	Short term course ‘Research Methodology & Open Source Computational Tools’ at College of Engineering, Trivandrum.	Nov 29-Dec 4, 2010.	Mr. Rajesh R
6	Basic Course in Ansys conducted by Innovent Engineering Solutions Pvt. Ltd., Bangalore.	Dec 20-24, 2010.	Mr. Pramod S
7	One day Lecture Series on Robotics and Haptics by Prof. Kenneth Salisbury of Stanford University, organized by AMMACHI Labs at Amritapuri Campus.	Sep 21, 2011.	Mr. Pramod S
8	10-day STTP “Advanced Workshop on Mathematical Theory of Control and Numerics (MTCN)”, organized jointly by the Department of Mathematics, IIT Bombay and the Department of Mathematics, Indian Institute of Space Science and Technology (IIST), under the DST funded National Programme on Differential Equations: Theory, Computation and Applications(NPDE:TCA), at IIST, Thiruvananthapuram.	Nov 21-30, 2012.	Mr. Pramod S

9	3-day STTP “Numerical Methods for Fluid Dynamics (NMFD)” organized by the Department of Mathematics, IIST, at IIST, Thiruvananthapuram.	Dec 18-20, 2012.	Mr. Pramod S
10	Sustainable Development and Governance: Building Commerce and Communities, Coimbatore Campus, Amrita University.	Dec 12-14, 2012.	Ms. Geena Prasad
11	International Conference on Wireless Technologies for Humanitarian Relief, Amritapuri Campus, Amrita University.	Dec 18-21, 2011.	Ms. Geena Prasad
12	Kerala Environment Congress 2011- “Energy and Environment – Issues, Challenges and Potentials”, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram.	Aug 25-27, 2011.	Ms. Geena Prasad

****Attach separate list of faculty names, designations, and department/school names.**

Participation of Amrita Faculty in Faculty Development Programmes conducted by Other Institutions

S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants
1	IIITM-K	TVM	Summer school on networks and information security	May20-30,2013	2
2	Infosys	TVM	Wireless Programming using Android	Feb 3-7, 2013	2
3	ISTE,IIT Bombay	Amritapuri	Database Programming	13/12/2012 - 23/12/2012	5
4	ISTE,IIT Bombay	Amritapuri	Introduction to Research Methodologies	June 25-July 4,2012	3
5	ISTE,IIT Bombai	Amritapuri	Effective teaching/ learning of Computer Programming	28 June to 10 th July 2010	8

S. No.	Name of Institution organizing the	Location	Programme Name / Brief Description	Dates: (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants

	programme				
1	IIITM-K	TVM	Summer school on networks and information security	May20-30,2013	2
2	Infosys	TVM	Wireless Programming using Android	Feb 3-7, 2 013	2
3	ISTE,IIT Bombay	Amritapuri	Database Programming	13/12/2012 - 23/12/2012	5
4	ISTE,IIT Bombay		Introduction to Research Methodologies	June 25-July 4,2012	3
5	Infosys	Mysore	FEP Business Intelligence & Applications	July 18-22, 2011	1
6	ISTE,IIT Bombai	Amritapuri	Effective teaching/ learning of Computer Programming	28 June to 10 th July 2010	8
7	MACE	Kothamangalam	Workshop on Algorithm Analysis	Sept 8-ept 10 2008	2

S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/Y Y to DD/MM/YY)	# Amrita Faculty Participants (faculty names, designations, and department/ school names)
1	Karunya University	Coimbatore, Tamil Nadu	Implementation of Signal Processing Application on FPGA Using Xilinx System Generator	September 16-17, 2011	Geethu R S, Lecturer, Dept. of Electronics & Communication Engineering, ASE
2	SSN College of Engineering	Chennai	National Conference of Wavelet on Life Science	Dec 13-15,2012	Ms Chinamyi R & Ms Poorna S, Asst.Profs,ECE, ASE
3	Government College of Engineering, Kannur	Kannur	Design and modeling of advanced analog and digital systems	November 26-December 1, 2012	#3(Geethu R S, Anu Chalil, Rajeswary P, Assistant Professors, Dept. of Electronics & Communication

					Engineering, ASE)
4	Government Engineering College Barton Hill	Thiruvananthapuram	Recent Advances in Computing and Communication Technologies	Jan 21-29, 2013	Geethu R S, Asst Professor, Dept. of Electronics & Communication Engineering, ASE
5	IIT Bombay	Mumbai	Familiarization workshop based on nanofabrication technologies	November 30-December 5, 2011.	#2(Dr Sreedevi K Menon, Rajeswari P, Asst. Profs, ECE, ASE)
6	IIT Bombay	Mumbai	Hands on session based on nanofabrication technologies	October 8-12, 2012.	#2(Dr Sreedevi K Menon, Rajeswari P, Asst. Prof, ECE, ASE)
8	Bharatidasan university	Trichy	Workshop on computational Non-linear dynamics	22-25 Sep 2010	#2(Karthi B and Dr. Nithin Nagaraj, Assistant profs, ECE ASE, Amritapuri)
9	Dept of Optoelectronics, University of Kerala	Trivandrum	National Workshop on optoelectronics and Optical Communication	5/1/2011 to 6/1/2011	Ms Baby Sreeja, Asst Professor, ECE
10	GEC Barton Hill	Trivandrum	ARM processors	19-11-2010	Ms Bini B, Asst Professor, ECE
11	ASE Bangalore	Bangalore	One day workshop on VLSI Testing using DFT Compiler and TetraMAX Synopsys Tools	March 16, 2011	3(BR. Ramesh Bhakthavatchalu, (Asst Professor, ECE) Arjun and Brijesh (M.Tech VLSI students))
12	VLSI Society of India	Chennai	International Conference on VLSI Design 2011	Jan 2 to Jan 7, 2011	2(Br. Ramesh Bhakthavatchalu, (Asst Professor, ECE) Mr. Rahul (Research Associate))
	TKM College of Engineering	Kollam	Repair and Maintenance of Computer Hardware	June 26 to June 28, 2013	#3(Ms Baby VT (Lab Instructor), Ms Amritadevi (Lab Instructor) and

					Ms Hima(Lab Instructor)

Sl. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/Y Y to DD/MM/YY)	# Amrita Faculty Participants (from EEE)
1.	LBS institute of Technology	Trivandrum	Short term training programme on Graphical systemdesign using LabView	29 th -31 st August 2013	Anudev J.
2.	ASE, Amritapuri	Kollam	FDP on “IC Amplifiers”	14 th july 2013	Indu V.
3.	ASE, Amritapuri	Kollam	FDP on “Electronic circuits”	12 th -13 th july 2013	Indu V.
4.	IIT Bombay	Bombay	QIP short term course on Integrated Navigation of Flight Vehicles	8 th -12 th july 2013	Mr. Nandagopal J.L. Mr. Winston Netto

Sl. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants** * (from EEE)
1.	ASE, Amritapuri	Kollam	FDP on “IC Amplifiers”	14 th july 2013	Indu V.
2.	ASE, Amritapuri	Kollam	FDP on “Electronic circuits”	12 th -13 th july 2013	Indu V.
3.	IIT Bombay	Bombay	QIP short term course on Integrated Navigation of Flight Vehicles	8 th -12 th july 2013	Mr. Nandagopal J.L. Mr. Winston Netto
4.	MBCET, Trivandrum	Trivandrum	Power Electronics and Drives- Technology Advances Trends and Applications	10 th -14 th june 2013	Mr. Nandagopal J.L. Mr. Vivek A.
5.	MBCET, Trivandrum	Trivandrum	Hands on Workshop on LAB VIEW organized by IEEE	29 th june 2013	Mr. Nandagopal J.L. Mr. Vivek A.

6.	NIT, Calicut	Calicut	Research and Technical Challenges of Smart Grid	16 th -22 nd June 2013	Mr. Arun R Ms. Angel T. S
7.	CET, Trivandrum	Trivandrum	AICTE FDP on “Control Engineering Practice: Theory and Hands-on (CEP-13)”	3 rd -15 th June 2013	Ms. Sruthy V Ms. Amritha S Ms. Lekshmi S Ms. Prathibha S. Babu
8.	IIT Bombay	Bombay	Dynamics and control in State Space	6 th -10 th May 2013	Ms. Sherine Jesna V.A. Mr. Winston Netto
9.	College of Engineering, Trikaripur	Kasaragod,	Five Day National Level Short Term Training Programme on Power Electronics Applications & Challenges	18 th -22 nd March 2013	Mr. Ravishankar A. N. Mr. Arun R
10.	Rajiv Gandhi Institute of Technology, Kottayam	Kottayam	Short term training program on AutoCAD for Electrical Engineers	11 th -15 th March 2013	Ms.Prathibha S. Babu
11.	Mathworks India Pvt Ltd	Cochin	Seminar on MATLAB and Simulink for Engineering Education	25 th February 2013	MS. Sherine Jesna V.A. Mr. Winston Netto
12.	University of Illinois	Illinois	Power and Energy Conference at Illinois	22-23 February 2013	Mr.Srikanth V.
13.	Rajagiri School Of Engineering and Technology	Kochi	Workshop On Real Time Interfacing Using MATLAB	9 th January 2013	Mr. Vivek A. Ms. Angel T.S. Ms. Sherine Jesna V.A. Mr. Winston Netto Ms. Sruthy V. Ms. Jayasree P R
14.	SNGCE, Kadayiruppu	Kadayiruppu, Ernakulam	Short Term Training Programme on	1-5 January 2013	Ms. Angel T.S.

			Recent Trends in Power Electronics and Power System Technologies		
15.	Mar Baselios College of Engineering and Technology	Trivandrum	2012 International Conference on Green Technology	18-20 December 2012	Ms. Sherine Jesna V.A.
16.	Central Power Research Institute	Bangalore	IEEE International Conference on Power Electronics Drives and Energy Systems (PEDES 2012)	16-19 December 2012	Mr.Srikanth V.
17.	Rajagiri School Of Engineering and Technology	Kochi	INDICON 2012	7-9 December 2012	Ms. Lekshmi S.
18.	IIST Trivandrum	Trivandrum	Advanced Workshop on Mathematical Theory of Control and Numerics	21-30 November 2012	Ms.Lekshmi S. Ms. Amritha S.
19.	IIT Kanpur	Kanpur	ShortTerm Course Under QIP on Intelligence Informatics in Electrical Engineering	17-21 September 2012	Mr. Srikanth V. Mr. Anudev J. Mr. T. Sreejith Kailas
20.	Amrita School of Engineering, Bangalore Campus	Bangalore	Two- day Hands on Train the Trainer Program on “ Embedded Software Development on Beagle Bone Platform	14 th -15 th September 2012	Ms. Vineetha S
21.	College Of Engineering Trivandrum	Trivandrum	13 th National Conference on Technological Trends 2012 (Participatedand Presented)	10-11 August 2012	Ms. Angel T.S. Ms. Asha C.A. Ms. Prathibha S. Babu Mr.

					Nanadagopal J.L. Mr. Vivek A. Ms. Sherine Jesna V.A. Mr. Winston Netto

S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/YYYY to DD/MM/YYYY)	# Amrita Faculty Participants** * (from EEE)
1	NIT Calicut	Calicut, Kerala	National Workshop on “Smart Grid Engineering”	29 th – 30 th July 2011	Mr. Ravishankar A. N.
2	College of Engineering, Trivandrum	College of Engineering, Trivandrum	National Conference on Technological Trends 2011	19 th – 20 th August 2011	Mr. Arun R Ms. Amritha S Ms. Bhavya K P Ms. Jayashree P R
3	Akshaya College of Engineering, Coimbatore	Akshaya College of Engineering, Coimbatore, Tamilnadu	Course and workshop on PSCAD Power System Simulator	22 nd to 24 th August 2011	Ms. Preetha PK Ms. Divya R
4	IEEE PES International Conference on Innovative Smart Grid Technologies	The University of Manchester, United Kingdom	Tutorial on Emerging Smart Grid: Improved Distribution Management System Incorporating Advanced Solutions	5-7 Dec 2011	Ms. Preetha PK
5	Amrita School of Engineering, Coimbatore	Amrita School of Engineering, Coimbatore	Faculty Development Programme in Basic Electronics	23 rd – 25 th Dec 2011	Ms. Jayasree P.R
6	ProSim R&D Pvt. Ltd., Bangalore	ProSim R&D Pvt. Ltd., Bangalore	Seminar on Transformer Design and Analysis	3 rd February 2012	Ms. Preetha PK Ms. Jayasree
7	Amrita	Amrita	International	9 th -10 th	Ms. Preetha Pk

	Vishwa Vidyapeetham , Coimabatore, Tamil Nadu	Vishwa Vidyapeetham , Coimabatore, Tamil Nadu	Conference on Renewable Energy Resources for 21 st Century- Challenges and Opportunities	March 2012	Mr. Ravishankar AN Ms. Jayasree P.R Mr. Arun Rajendran
8	Noorul Islam Centre for Higher Education, Kumarcoil, Tamil Nadu	Noorul Islam Centre for Higher Education, Kumarcoil, Tamil Nadu	IEEE International Conference on Computing, Electrical and Electronics Engineering	21 st -22 nd March 2012	Mr. Anudev J
9	E.G.S Pillay Engineering College, Nagapattinam, Tamil Nadu	E.G.S Pillay Engineering College, Nagapattinam, Tamil Nadu	International Conference on Advances in Engineering, Science and Management 2012	30 th -31 st March 2012	Mr. Anudev J
10	Interscience Research Network	Trivandrum	International Conference on Electrical Engineering and Computer Science (ICEECS-2012)	May 2012	Ms. Lekshmi.S

S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/Y Y to DD/MM/YY)	# Amrita Faculty Participants
1	IEEE, Kerala Chapter & CDAC	Thiruvananthapuram	IEEE Conference on Smart Grid " Grid Con 2010 "	29-30 October 2010	Ajay Babu, Dr.Kanakasabapathy P. , Smitha Krishnan.
2	Centre for Energy Studies and Policy Analysis (CESPA)	Cochin	"Agnitio Navitas 2011", a discussion meet on Stimulating Energy Education	26 February 2011	Preetha P. K.

3	Amrita School of Engineering, Amrita Viswa Vidyapeetham, Ettimadai Campus	Amrita School of Engineering, Amrita Viswa Vidyapeetham, Ettimadai Campus	“Faculty Development Programme on Power System Management” organized by EEE department, Amrita School of Engineering, Amrita Viswa Vidyapeetham, Ettimadai Campus	2-4 June 2010	Preetha P. K.
4	Amrita School of Engg Ettimadai	Coimbatore (Ettimadai)	Computing Technologies for Power Systems	13- 17 December 2010	Disha Dinesh, Sreejith Kailas
5	TKM	Kollam	Tools for Embedded systems	February 2011	Sreekanth P.
6	ISTE	IIT, Bombay	National Seminar on Solar photo voltaic	January 2011	Dr. Kanakasabapathy P.
7	Amrita School of Engineering, Amrita Viswa Vidyapeetham, Ettimadai Campus	Amrita School of Engineering, Amrita Viswa Vidyapeetham, Ettimadai Campus	FDP on Question paper setting	September 2011	Preetha.P.K, Swapna.V, Bri Deepthi, Divya. R, Disha.D, Smit ha.K, Ravishankar, deepak, Sreejith, Joshua Freenman
8	FDP on IT application in Power system management	Amrita School of Engineering, Amrita Viswa	IEEE	December 15-17 ,2010	Dr. Kanakasabapathy Mr Ravishankar

		Vidyapeeth am, Ettimadai Campus			

S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants ***
1	Mohandas college of Engineering & Technology, Thiruvananthapuram	Thiruvananthapuram	Workshop on Power Systems Analysis	16-17, January 2009	Ms P.K. Preetha, Mr. Ajay Babu, Mr. Jaijith
2	Centre for Development of Advanced Computing (CDAC), Thiruvananthapuram	Thiruvananthapuram	National workshop on Power Electronics – NWPE-2009, under the aegis of national Mission on Power Electronics Technology-NAMPET, an initiative of Department of Information technology, Government of Kerala	22-23 October 2009	Ms. Preetha P.K Ms. Divya R.
3	Amrita School of Engineering, Coimbatore	Coimbatore	International workshop on Advances in Electrical and Electronics Engineering	7 th and 11 th December 2009	Ms. Disha Dinesh
4	National Workshop on “Mobile and Wireless Networks, Coimbatore Institute of Technology	Coimbatore	Gave an invited lecture on “Real-time Wireless Sensor Networks for Landslide Detection” on behalf of the	19 and 20 March, 2010.	Mr.Joshua Freeman

			Amrita Center for Wireless Networks and Applications at the " sponsored by AICTE		
5	Noorul Islam University in Kumaracoil, Kanyakumari District	Kanyakumari	Gave an invited lecture on "Robotics & Haptics at Amrita University" at the International Conference on Recent Advances in Mechanical Engineering (ICRAME - 2010)	April 8 th 2010	Mr.Joshua Freeman
6	IEEE	Lecco, Italy.	2009 Haptics Audio Visual Environments (HAVE) conference sponsored by IEEE	November 7-8, 2009	Mr.Joshua David Freeman

S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants* **
1	Mohandas college of Engineering & Technology, Thiruvananthapuram	Thiruvananthapuram	Workshop on Power Systems Analysis	16-17, January 2009	Ms P.K. Preetha, Mr. Ajay Babu, Mr. Jaijith
2	Amrita School of Engineering, Coimbatore	Coimbatore	FDP on Power Electronics	June 23-27, 2008	Bri. Deepthi

3	Amrita School of Engineering, Coimbatore	Coimbatore	FDP on Electrical Engineering	June 30-July 4, 2008	Bri. Deepthi
4	Amrita School of Engineering, Coimbatore	Coimbatore	Fundamentals of Electromagnetics	August 11-21, 2008	Ms. Swapna V
5	Prosin	Bangalore	Workshop on electromechanical product design analysis and optimization	8 th October 2009	Ms. Swapna V
6	Department of Computer Science, University of Kerala	Trivandrum	Five days workshop on LabVIEW sponsored by Trident Techlabs Pvt. Ltd.	25 May-29 May 2009	Ms. Preetha P.K.
7	Sarabhai Institute of Science and Technology, Trivandrum	Trivandrum	Invited talk on “Renewable Energy and Energy Management” in the National Seminar on Recent Trends in Mechanical Engineering	6 th February 2009	Dr. P.S.Chandramohan Nair
8	Dept. of Architecture, College of Engineering Trivandrum	Trivandrum	Invited talks on (i) “Energy efficiency in buildings” and (ii) “Smart buildings”, Interdisciplinary Short Term Training Programme (STTP) for Engineering College	12th March 2009	Dr. P.S.Chandramohan Nair

			Teachers on Sustainability and Energy Issues in Built Environment		
9	All India Radio	Trivandrum	Radio talk on “Solar Energy Systems: new trends	April 27, 2009,	Dr. P.S.Chandramohan Nair
10	M.G. College Trivandrum	Trivandrum	Invited talk on “Energy Conservation”, Science popularization program on “Science for sustainable development”, at Reshminagar Residents’ Association and Green Valley Residents’ Association, funded by Kerala State Science & Technology Council	May 09, 2009	Dr. P.S.Chandramohan Nair

28. Student projects

CSA

- percentage of students who have done in-house projects including inter-departmental projects
MCA : 10%(approximately)
MSc : 80 %
BSc- 95%
- percentage of students doing projects in collaboration with other universities / industry / institute
MCA : >90%

CSE

- percentage of students who have done in-house projects including inter-departmental projects
60 %
- percentage of students doing projects in collaboration with other universities / industry / institute
40 %

ECE

- percentage of students who have done in-house projects including inter-departmental projects – **90%**
- percentage of students doing projects in collaboration with other universities / industry / institute – **10%**

EEE

Batch(M.Tech Programme)	In house Project Percentage	Percentage of Projects done in collaboration with other Universities
Batch(B.Tech Programme)	In house Project Percentage	Percentage of Projects done in collaboration with other Universities
2011-2012	100	0
2012-2013	100	0
2005-2009	30	70
2006-2010	30	70
2007-2011	30	70
2008-2012	30	70
2009-2013	30	70

ME

Batch(M.Tech Programme)	In house Project Percentage	Percentage of Projects done in collaboration with other Universities
2011-2012	55	45
2012-2013	55	45

29. Awards / recognitions received at the national and international level by

- Faculty

Batch(B.Tech Programme)	In house Project Percentage	Percentage of Projects done in collaboration with other Universities
2005-2009	96.9	3.1
2006-2010	95.6	6.4
2007-2011	98.5	1.5
2008-2012	100	0
2009-2013	97.8	2.2

- Doctoral / post doctoral fellows
- Students

Note: Provide in list format. Supporting documentation must be maintained in department.

ECE Faculty Achievements

S. No	Name and Designation of the member	Name of the Award / Recognition received	Name of the Agency	Month & Year of receiving the award / recognition
1	Rajesh Kannan Megalingam - Assistant Professor	Chair – Interdisciplinary and Humanitarian Track	INDICON 2012, Kochi, Kerala, India	2012
2	Rajesh Kannan Megalingam - Assistant Professor	Reviewer	GHTC-2012	2012
3	Rajesh Kannan Megalingam - Assistant Professor	IEEE Student Enterprise Award for the project "HOPE: Wireless gadget for Home Bound Elders"	IEEE	2012
4	Rajesh Kannan Megalingam - Assistant Professor	Outstanding Branch Counsellor	IEEE Kerala Section	2012
5	Rajesh Kannan Megalingam - Assistant Professor	Award of Excellence	Amrita Vishwa Vidyapeetham	2012
6	Dr Nithin Nagaraj- Assistant Professor	Adjunct faculty (Honorary)	School of Natural Sciences and Engineering, National Institute of Advanced Studies, Indian Institute of Science Campus, Bangalore	July 2012-current
7	Dr Nithin Nagaraj- Assistant Professor	Certificate of Recognition for contribution to research	Amrita Vishwa Vidyapeetham	Apr-12
8	Dr Sundar-Associate Professor	Certificate of Recognition for contribution to research	Amrita Vishwa Vidyapeetham	Apr-12
9	Bri Remya-Assistant Professor	Certificate of Recognition for	Amrita Vishwa Vidyapeetham	Apr-12

		contribution to research		
10	Rajesh Kannan Megalingam - Assistant Professor	Special Recognition Award	IEEE Kerala Section	2011
11	Rajesh Kannan Megalingam - Assistant Professor	‘Best Demo’ Award for the project ‘Intelligent Home Navigation System (IHNS) for the elderly and the physically challenged’	International Conference on Wireless Technologies for Humanitarian Relief. (ACWR2011)	2011
12	Rajesh Kannan Megalingam - Assistant Professor	IEEE Student Enterprise Award for the project titled, “Gesture Based Wheelchair Control for the Physically Challenged”	IEEE foundation, NJ, USA	2011
13	Rajesh Kannan Megalingam	Outstanding Student Branch Award	IEEE Kerala Section	2011
14	Dr Nithin Nagaraj- Assistant Professor	Certificate of Recognition for contribution to research	Amrita Vishwa Vidyapeetham	01-03-2011
15	Dr Sundar Gopalan	Certificate of Appreciation	Amrita Vishwa Vidyapeetham	01-03-2011
16	Br Karthi B	Certificate of Recognition for contribution to research	Amrita Vishwa Vidyapeetham	01-03-2011
17	Br. Ramesh Bhakthavatchalu	Certificate of Appreciation	Amrita Vishwa Vidyapeetham	01-03-2011
18	Rajesh Kannan Megalingam - Assistant Professor	Certificate of Appreciation	Amrita Vishwa Vidyapeetham	01-03-2011

19	Ms Deepthy G R		Amrita Vishwa Vidyapeetham	01-03-2011
20	Rajesh Kannan Megalingam - Assistant Professor	Outstanding Contribution to Technical Projects Award	IEEE Kerala Section	2010
21	Rajesh Kannan Megalingam - Assistant Professor	Award of Excellence	Amrita Vishwa Vidyapeetham	2010
22	Dr Nithin Nagaraj- Assistant Professor	Certificate of Recognition for contribution to research	Amrita Vishwa Vidyapeetham	2010
23	Dr Nithin Nagaraj- Assistant Professor	Rapid Grant for Young Investigators (RGYI),	Dept. of Biotechnology (DBT), Ministry of Science and Tech., Govt. of India	2010–2013
24	Dr Nithin Nagaraj- Assistant Professor	Certificate of Recognition for contribution to research	Amrita Vishwa Vidyapeetham	2009
25	Rajesh Kannan Megalingam - Assistant Professor	IEEE Outstanding Branch Counselor and Advisor Award	IEEE, NJ, USA	Sept 2013
26	Dr Nithin Nagaraj- Associate Professor	Reviewer for the International Journals	Image Processing; Information Forensics & Security), European Physics Journal, International Journal of Bifurcation and Chaos, Journal of Theoretical Biology, of Information Sciences (Elsevier), CSIT (Springer)CHAOS (American Institute of Physics), CNSNS (Elsevier),International Journal of Imaging, EURASIP Journal of Information Security, Acta Applicandae Mathematicae (Springer),	

			Computers and Mathematics with Applications (Elsevier), Mathematical Problems in Engineering (Hindawi), Journal of Franklin Institute (Elsevier) and Journal of Information Sciences (Elsevier), CSIT (Springer)	

ECE Students Achievements

S. No	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location
1	Tom Charly	BTECH, ECE,ASE	Richard E Merwin scholarship from the IEEE Computer Society, NJ, USA in recognition of their exemplary involvement in student chapter activities, excellent academic achievement and willingness to act as student ambassadors	2013	
2	Goutham Ravindran	BTECH, ECE,ASE	Richard E Merwin scholarship from the IEEE Computer Society, NJ, USA in recognition of their exemplary involvement in student chapter activities, excellent academic achievement and willingness to act as student ambassadors	2013	
3	Deepak Dileepkumar	BTECH, ECE,ASE	Grand Valley State Univ. (M.S in Biomedical) - Full Scholarship and	2013	

			RA with stipend		
4	Anantha Krishnan	BTECH, ECE,ASE	Univ. of Cincinnati (M.S in VLSI) - 87% Scholarship	2013	
5	Meera Viswanath	BTECH, ECE,ASE	Univ. of Cincinnati (M.S in VLSI) - 87% Scholarship	2013	
6	Sachin Namboodiri	BTECH, ECE,ASE	Villanova Univ (M.S. in VLSI) - Full Scholarship and RA with stipend	2013	
7	Aswath S	BTECH, ECE,ASE	Won 3rd place for robotic event Amphibot @ IIST-ISRO as part of conscientia 2012(National space-tech fest) Prize rs 1500	March 1-4, 2012	IIST-ISRO, Trivandrum
8	Anirudh H	BTECH, ECE,ASE	Won 3rd place for robotic event Amphibot @ IIST-ISRO as part of conscientia 2012(National space-tech fest) Prize rs 1500	March 1-4, 2012	IIST-ISRO, Trivandrum
9	Aswath S	BTECH, ECE,ASE	Won 1st for Robotic event solar RC car race @ TKM collage of engineering as part of Conjura 2012 (National tech fest)Prize rs 6000	February 23- 26, 2012	TKM college of engineering ,Kollam
10	Sudeep	BTECH, ECE,ASE	Won 1st for Robotic event solar RC car race @ TKM collage of engineering as part of Conjura 2012 (National tech fest)Prize rs 6000	February 23- 26, 2012	TKM college of engineering, Kollam
11	Aswath S	BTECH, ECE,ASE	Won 1st for Robotic event solar Robo-soccer @ TKM collage of	February 23- 26, 2012	TKM college of engineering, Kollam

			engineering as part of Conjura 2012 (National tech fest) Prize rs 6000		
12	Sudeep	BTECH, ECE,ASE	Won 1st for Robotic event solar Robo-soccer @ TKM collage of engineering as part of Conjura 2012 (National tech fest) Prize rs 6000	February 23- 26, 2012	TKM college of engineering, Kollam
13	Aswath S	BTECH, ECE,ASE	Received Memento 4 Conducting Basic Robotics Level 1 workshop (Level 2 and 3 on Robotic Arm and Humanoid Robot to be held soon) @ As well took a section on basic of robotics and construction of soccer-bot using simple h-bridge concept. Also organized a Robosoccer competition as part of the workshop.	January 19- 20,2013	Amritapuri
14	Aswath S	BTECH, ECE,ASE	Won 1st for Robotic event Track Race 1 @ saint gits collage of engineering as part of Nakshatra 2012 (National tech fest) Prize Rs 10000	March 15- 16,2012	saint gits collage of engineering ,Kottayam
15	Sudeep	BTECH, ECE,ASE	Won 1st for Robotic event Track Race 1 @ saint gits collage of engineering as part of Nakshatra 2012 (National tech fest) Prize Rs 10000	March 15- 16,2012	saint gits collage of engineering, Kottayam

16	Aswath s,	BTECH, ECE,ASE	Won 1st for Robotic event Robowar @ saint gits collage of engineering as part of Nakshatra 2012 (National tech fest) Prize rs 5000 September 18,2012	September 18,2012	saint gits collage of engineering, Kottayam
17	Amal Suresh	BTECH, ECE,ASE	Won 1st for Robotic event Robowar @ saint gits collage of engineering as part of Nakshatra 2012 (National tech fest) Prize rs 5000 September 18,2012	September 18,2012	saint gits collage of engineering, Kottayam
18	Kalyani Jayaprakesh	BTECH, ECE,ASE	Won 1st for Robotic event Robowar @ saint gits collage of engineering as part of Nakshatra 2012 (National tech fest) Prize rs 5000 September 18,2012	September 18,2012	saint gits collage of engineering, Kottayam
19	Malavika Mohan	BTECH, ECE,ASE	Won 1st for Robotic event Robowar @ saint gits collage of engineering as part of Nakshatra 2012 (National tech fest) Prize rs 5000 September 18,2012	September 18,2012	saint gits collage of engineering, Kottayam
20	Aswath s,	BTECH, ECE,ASE	Won 1st for Robotic event Track Race 2@ Saint Gits collage of engineering as part of Nakshatra 2012 (National tech fest) Prize rs 5000	September 20, 2012	saint gits collage of engineering, Kottayam
21	Amal Suresh	BTECH, ECE,ASE	Won 1st for Robotic event Track Race 2@ Saint Gits collage of engineering as part of Nakshatra	September 20,2012	saint gits collage of engineering, Kottayam

			2012 (National tech fest) Prize rs 5000		
22	Kalyani Jayaprakesh	BTECH, ECE,ASE	Won 1st for Robotic event Track Race 2@ Saint Gits collage of engineering as part of Nakshatra 2012 (National tech fest) Prize rs 5000	September 20,2012	saint gits collage of engineering, Kottayam
23	Malavika Mohan	BTECH, ECE,ASE	Won 1st for Robotic event Track Race 2@ Saint Gits collage of engineering as part of Nakshatra 2012 (National tech fest) Prize rs 5000	September 20,2012	saint gits collage of engineering, Kottayam
24	Aswath s,	BTECH, ECE,ASE	Won 3rd place for robotic event Robosoccer @ Sree Chitra Thirunal college of Engineering as part of cult-a-way 2012(National tech fest)	7th March 2013	Sree Chitra Thirunal college of Engineering, Trivandrum
25	Amal Suresh	BTECH, ECE,ASE	Won 3rd place for robotic event Robosoccer @ Sree Chitra Thirunal college of Engineering as part of cult-a-way 2012(National tech fest)	7th March 2013	Sree Chitra Thirunal college of Engineering, Trivandrum
26	Aswath s,	BTECH, ECE,ASE	Won 1st place for robotic event Robosoccer @ Sree Chitra Thirunal college of Engineering as part of cult-a-way 2013(National tech fest) 7th March 2013 Prize rs 8000	7th March 2013	Sree Chitra Thirunal college of Engineering, Trivandrum

27	Amal Suresh	BTECH, ECE,ASE	Won 1st place for robotic event Robosoccer @ Sree Chitra Thirunal college of Engineering as part of cult-a-way 2013(National tech fest) 7th March 2013 Prize rs 8000	7th March 2013	Sree Chitra Thirunal college of Engineering, Trivandrum
28	Chinmaya	BTECH, ECE,ASE	Won 1st place for robotic event Robosoccer @ Sree Chitra Thirunal college of Engineering as part of cult-a-way 2013(National tech fest) 7th March 2013 Prize rs 8000	7th March 2013	Sree Chitra Thirunal college of Engineering, Trivandrum
29	Aswath s,	BTECH, ECE,ASE	Won 3rd place for robotic event Robowar @ GEC trissure as part of Dyuthi(National tech fest)	September 20-22, 2012	GEC, Thrissur
30	Anirudh H	BTECH, ECE,ASE	Won 3rd place for robotic event Robowar @ GEC trissure as part of Dyuthi(National tech fest)	September 20-22, 2012	GEC, Thrissur
31	Aswath s,	BTECH, ECE,ASE	Won 1st for Robotic event Death Race @ Sree Narayana Guru Institute of science and Technology as part of Gurutha 2012 (National tech fest) Rs 12000	March 16-17,2012	Sree Narayana Guru Institute of science and Technology ,Kollam
32	Aswath s,	BTECH, ECE,ASE	Won 3rd place for robotic event Robo soccer @ MA collage as part of National tech fest. Prize rs 1500	September 28-29, 2012	MA college, Kothamangalam

33	Amal Suresh	BTECH, ECE,ASE	Won 3rd place for robotic event Robo soccer @ MA collage as part of National tech fest. Prize rs 1500	September 28-29, 2012	MA college, Kothamangal am
34	Pramesh Rao	BTECH, ECE,ASE	Won 3rd place for robotic event Robo soccer @ MA collage as part of National tech fest. Prize rs 1500	September 28-29, 2012	MA college, Kothamangal am
35	Aswath s,	BTECH, ECE,ASE	13:>>Won 3rd place for robotic event Robosoccer @ CUSAT as part of Dhishna 2013(National tech fest) 22nd – 24th Feb, 2013 Prize rs 1000	22nd – 24th Feb, 2013	CUSAT, Cochin
36	Amal Suresh	BTECH, ECE,ASE	13:>>Won 3rd place for robotic event Robosoccer @ CUSAT as part of Dhishna 2013(National tech fest) 22nd – 24th Feb, 2013 Prize rs 1000	22nd – 24th Feb, 2013	CUSAT, Cochin
36	Chinmaya	BTECH, ECE,ASE	13:>>Won 3rd place for robotic event Robosoccer @ CUSAT as part of Dhishna 2013(National tech fest) 22nd – 24th Feb, 2013 Prize rs 1000	22nd – 24th Feb, 2013	CUSAT, Cochin
37	Deepak Dileepkumar	BTECH, ECE,ASE	Third Prize	14-Dec-12	Mentor Graphics University Design Contest, Bangalore
38	Ananthakrishn an P R	BTECH, ECE,ASE	Third Prize	14-Dec-12	Mentor Graphics University Design Contest,

					Bangalore
39	Ajay Mohan	BTECH, ECE,ASE	Accenture Tech Vision Special Winner award	April 24 th ,2012	Yahoo Accenture Innovation Jockeys contest, Bangalore
40	Paul Leons	BTECH, ECE,ASE	Accenture Tech Vision Special Winner award	April 24 th ,2012	Yahoo Accenture Innovation Jockeys contest, Bangalore
41	Rizwin Shooja	BTECH, ECE,ASE	Accenture Tech Vision Special Winner award	April 24 th ,2012	Yahoo Accenture Innovation Jockeys contest, Bangalore
42	Vineeth Mohan	BTECH, ECE,ASE	Accenture Tech Vision Special Winner award	April 24 th ,2012	Yahoo Accenture Innovation Jockeys contest, Bangalore
43	Mithun Mohan	BTECH, ECE,ASE	First Prize under the Home Category	April 24 th ,2012	Yahoo Accenture Innovation Jockeys contest, Bangalore
44	Ramesh Nair	BTECH, ECE,ASE	First Prize under the Home Category	April 24 th ,2012	Yahoo Accenture Innovation Jockeys contest, Bangalore
45	Sai Manoj	BTECH, ECE,ASE	First Prize under the Home Category	April 24 th ,2012	Yahoo Accenture Innovation Jockeys contest, Bangalore

46	Ajay Mohan	BTECH, ECE,ASE	Award of Excellence	2012	Amritapuri
47	Paul Leons	BTECH, ECE,ASE	Award of Excellence	2012	Amritapuri
48	Rizwin Shooja	BTECH, E CE,ASE	Award of Excellence	2012	Amritapuri
49	Vineeth mohan	BTECH, ECE,ASE	Award of Excellence	2012	Amritapuri
50	Ramesh Nair	BTECH, ECE,ASE	Award of Excellence	2012	Amritapuri
51	Mithun Mohan	BTECH, ECE,ASE	Award of Excellence	2012	Amritapuri
52	Sai Manoj	BTECH, E CE,ASE	Award of Excellence	2012	Amritapuri
53	Vineeth R	BTECH, ECE,ASE	Award of Excellence	2012	Amritapuri
54	Deepak Krishnan	BTECH, ECE,ASE	Award of Excellence	2012	Amritapuri
55	Denny C Jacob	BTECH, ECE,ASE	Award of Excellence	2012	Amritapuri
56	Ramesh Nair	BTECH, ECE,ASE	IEEE Kerala Section SAC Excellence Award	2011	IEEE ,Kerala
57	Vineeth Mohan	BTECH, ECE,ASE	2 nd Prize	2011	Mentor Graphics University Design Contest, Bangalore
58	Ajay Mohan	BTECH, ECE,ASE	2 nd Prize	2011	Mentor Graphics University Design Contest, Bangalore
59	Paul leons	BTECH, ECE,ASE	2 nd Prize	2011	Mentor Graphics University Design Contest, Bangalore
60	Rizwin Shooja	BTECH, ECE,ASE	2 nd Prize	2011	Mentor Graphics University Design Contest,

					Bangalore
61	Athira S	BTECH, ECE,ASE	3 rd Prize	2011	IBM/IEEE Smarter Planet Challenge
62	Sreeja K	BTECH, ECE,ASE	3 rd Prize	2011	IBM/IEEE Smarter Planet Challenge
63	Neha Tadimeti	BTECH, ECE,ASE	3 rd Prize	2011	IBM/IEEE Smarter Planet Challenge
64	Ushma Unnikrishnan	BTECH, ECE,ASE	3 rd Prize	2011	IBM/IEEE Smarter Planet Challenge
65	Shibesh Dutta	BTECH, ECE,ASE	Chakshayaan – Project titled ‘Vertical Take-off and Landing Air Craft’ won first prize . The team carried home a cash award of Rs. 1 lakh	August 2009.	Tech Expo on Green Engineering, Technopark, Trivandrum
66	Vandana Vikram	BTECH, ECE,ASE	Chakshayaan – Project titled ‘Vertical Take-off and Landing Air Craft’ won first prize . The team carried home a cash award of Rs. 1 lakh	August 2009.	Tech Expo on Green Engineering, Technopark, Trivandrum
67	Shibesh Dutta	BTECH, ECE,ASE	2 nd Prize	October 27, 2009	"Young Innovators" category in a National Innovation Fair, "India Innovation Initiative, (I3)" , IIT Delhi
68	Vandana Vikram	BTECH, ECE,ASE	2 nd Prize	October 27, 2009	"Young Innovators" category in a National Innovation Fair, "India Innovation

					Initiative, (I3)" ,IIT Delhi
69	Mr Vineeth Sarma	MTECH,A SE,Amritap uri	got internship at Analog Devices, Bangalore	2012	Bangalore
70	Nevin Alex	MTECH,A SE,Amritap uri	got internship at Analog Devices, Bangalore	2012	Bangalore

EEE

Faculty Achievements

1. Dr P.S.Chandramohan Nair
 - PROF K.M.BAHAUDDIN AWARD for ‘THE DISTINGUISHED ENGINEERING TEACHER OF KERALA 2012’
 - KERALA STATE ENERGY CONSERVATION AWARD 2011 in the category of ‘RESEARCH & INNOVATION’
 - MARQUIS WHO’S WHO IN THE WORLD PUBLICATIONS
 - AWARD OF EXCELLENCE FOR THE EXCELLENT PERFORMANCE during the Academic Year 2011-2012
2. Dr P.Kanakasabapathy
 - MARQUIS WHO’S WHO IN THE WORLD PUBLICATIONS from 2011 onwards
 - CERTIFICATE OF EXCELLENCE IN RECOGNITION TO THE CONTRIBUTION AS REMOTE CENTER CO-ORDINATOR in the ISTE Workshop conducted by IIT, BOMBAY held on DECEMBER 2011
 - CERTIFICATE OF EXCELLENCE IN RECOGNITION TO THE CONTRIBUTION AS WORKSHOP CO-ORDINATOR in the ISTE Workshop conducted by IIT, BOMBAY held on DECEMBER 2011
3. Sruthy V.
 - CERTIFICATE OF EXCELLENCE FOR EXCELLENT PERFORMANCE in the ISTE Workshop conducted by IIT, BOMBAY held on DECEMBER 2011
4. Arun Rajendran
 - CERTIFICATE OF EXCELLENCE FOR EXCELLENT PERFORMANCE in the ISTE Workshop conducted by IIT, BOMBAY held on DECEMBER 2011
5. Amritha S.
 - CERTIFICATE OF EXCELLENCE FOR EXCELLENT PERFORMANCE in the ISTE Workshop conducted by IIT, BOMBAY held on DECEMBER 2011
 - BEST PAPER AWARD for the paper titled ‘REENTRY GUIDANCE FOR REUSABLE LAUNCH VEHICLE USING NON LINEAR TRACKING’

6. Jayasree P.R.
 - CERTIFICATE OF EXCELLENCE FOR EXCELLENT PERFORMANCE in the ISTE Workshop conducted by IIT, BOMBAY held on DECEMBER 2011
7. Srikanth Vasudevan Pillai
 - Certificate of Appreciation from Amrita university - 2012-2013 academic year (campus level)
 - Outstanding SB Chapters Area Chair - in recognition to the activity in the year 2012, IEEE- IAS Chapters and Memberships Development Department at IAS Annual Meeting, Las Vegas, NV, USA (international level)
 - . IEEE- IAS SB Development Committee Chair from 2013 onward (international level)
 - IEEE IAS SB Chapters Area Chair R-10 (Asia and Pacific) from 2012 onward (international level)
 - . IEEE -IAS Student Branch Chapter of RIT kottayam honoured " Outstanding IEEE IAS Volunteer Award 2012 " (RIT Chapter)
 - . IEEE-IA/IE/PEL Jt.Chapter Kerala Section Secretary from 2013 onward (Kerala Section)

Student Achievements

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award**
1.	Raghu T Menon	A.S.E, EEE	FIRST PLACE IN TECHTOP 2009 A National project contest for engineering students	August 2009	Technopark, Trivandrum	National
2	Raghu induchudan menon, vandana vikram	A.S.E, EEE	NEXT PRACTICES AWARD-'09 Second award winner at INDIA INNOVATION INITIATIVE-i3 national Fair 2009	OCTOBER 2009	New Delhi	National
3	Swetha sampath	A.S.E, EEE	finalist in IBM Technical contest, Kshitij 2010	January 2010	IIT KARAKHPUR	NATIONAL
4.	Ramman	EEE, ASE	"Rethink your	Feb	Hyderabad	Internatio

	Bharadwaj M		system complexity approach” IEEE International competition	2012		nal (only one among the 4 people got selected from India)
5.	Balasubram onian	B.tech, A.S.E	2 nd place in the event <i>salilsthalchar</i> , Annual astronomy and technology festival Conscientia	March 2013	IIST	Internatio nal
6.	Ananthu Unnikrishna n	B.tech, A.S.E	2 nd place in the event <i>salilsthalchar</i> , Annual astronomy and technology festival Conscientia	March 2013	IIST	Internatio nal
7.	P. Kiran	M.tech, A.S.E	Best Technical Paper Award in the stream of Electrical Sciences for the paper, “Fault Analysis and Digital Protection of Busbars Using Curvelet Transform Based Approach,” in the international Conference On Global Innovations in technology and sciences.	April 2013	Saingits College of Engineering, Kottayam	Internatio nal

8.	Syam M.S	M.tech, A.S.E	Best Poster Award for the paper "Grid Connected Two Stage Photovoltaic System Using Cuk Converter,"	April 2013	Saingits College of Engineering, Kottayam	International
9.	Manish R chandran	B.tech, A.S.E	2 nd place in the event <i>salilsthalchar</i> , Annual astronomy and technology festival Conscientia	March 2013	IIST	International
10	Ayyappan.a, Ashik.A, Deepak.N.D & Diljith.P.C	B.tech, A.S.E	project 'A strain gauge based land slide detection system' have won Round 1 in All IEEE-R10 Young Engineers' Humanitarian Challenge 2013 among the ~300 participants from Asia.	2013	IEEE- R10	Asia

ME

Faculty Achievements

8. Dr. Dr K. Sankaran
 - AWARD for outstanding contribution to chemical engineering by the Indian Institute of Chemical Engineering in 2008.
9. Dr Balakrishnan Shankar
 - AWARD OF EXCELLENCE FOR THE EXCELLENT PERFORMANCE during the Academic Year 2011-2012

10. Dr Ganesha Udupa

- AWARD OF EXCELLENCE FOR THE EXCELLENT PERFORMANCE during the Academic Year 2011-2012

11. Dr Ajithkumar R

- CERTIFICATE OF APPRECIATION FOR THE EXCELLENT PERFORMANCE during the Academic Year 2011-2012

ME Students Achievements

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award
1.	Thejas Menon & Vishnu.S	Mechanical Engineering, AS E	“BLUEPRINT-MECHANICAL” held as a part of TATHVA ‘08	23 to 26 October 2008	National Institute of Technology, Calicut	First position
2.	Thejas Menon & Vishnu.S	Mechanical Engineering, AS E	Paper presentation in National level competition of IMPULSE’08	28 to 30 August 2008	CUSAT	First position
3.	Thejas Menon & Vishnu.S	Mechanical Engineering, AS E	“UNIMATE” held as a part of TATHVA ‘08	23 to 26 October 2008	National Institute of Technology, Calicut	Third position
4.	Praveen. R, Abhijith Vijayan & Sreerag. S.R	Mechanical Engineering, AS E	“INNOVATIVE COOLING TOWER DESIGN” in Techfest PRAGATI’09	13 February 2009	National Institute of Technology, Trichy	First position

5.	Sreyas Narisipur, Shibesh Dutta, Vandana Vikram and Sri Raghu Menon	Mechanical, EEE & ECE	“Chakshayaan – Vertical Take-off and Landing Air Craft” at national level Tech Expo on Green Engineering .	August 2009	Technopark, Trivandrum	First prize
	Sreyas Narisipur, Shibesh Dutta, Vandana Vikram and Sri Raghu Menon		“Chakshayaan ”in "Young Innovators category India Innovation Initiative in a National Innovation Fair	October 27, 2009.	IIT Delhi	Second prize
6.	Shreyas Narisipur, Thejas Menon, Vishnu H. Prasad and S. Vishnu, -	Mechanical Engineering	‘Propeller Fabrication of UAV’ International Conference on Mechanical and Aerospace Engineering	August 2009.	World Academy of Science & Technology at Singapore	
7.	Thejas Menon and S. Vishnu	Mechanical Engineering	‘Mathematical Modeling of Steel Tanks for Petroleum Storage’ - International Conference on Applied Mechanics	July 2009.	World Academy of Science & Technology at Oslo, Norway	
8.	Ramakrishnan Kamath.V	Mechanical Engineering	Best student award –from SAE	July 2010	Chennai	Southern Section
9.	Ramakrishnan Kamath.V	Mechanical Engineering	Award of Excellence	April 2011	Amritapuri	
10.	Shyam Sekhar	Mechanical Engineering	Awarded the Proficiency Certificate	April 2011	Amritapuri	

11.	Jithin K	Mechanical Engineering	GATE PERCENTILE 97.40			
12.	Nair Krishnade v Radhakrishnan	Mechanical Engineering	GATE PERCENTILE 95			
13.	Mrinal Vellodi	Mechanical Engineering	GATE PERCENTILE 92			
14.	Shankar Menon	Mechanical Engineering	GATE PERCENTILE 91			
15.	Harishankar M	Mechanical Engineering	GATE PERCENTILE 89.5			
16.	Vineeth NV	Mechanical Engineering	GATE PERCENTILE 89.5			
17.	Sambasivan AP	Mechanical Engineering	GATE PERCENTILE 89			
18.	Sooraj kp	Mechanical Engineering	GATE PERCENTILE 88			

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants		Source of Funding	Seminar / Workshop Outcome
1	Digital Flow	15/7/2013	Local	31	internal	Understanding VLSI design flow
2	Overview of Communication System	20/7/13	Local	33	internal	Understanding indepth of Communication system
3	CMOS VLSI DESIGN	10/6/13 – 23/6/13	Local	20	internal	Students get introduced to Cadence-implementation of circuits.
4	CMOS VLSI DESIGN DIGITAL FLOW	15/7/13 – 16/7/13	Local	28	internal	Students learned about the Digital Flow of VLSI

						designs
5	Workshop on PIC Microcontrollers	Feb 21, 22, 23, 28th and March 1st 2011	Local	68	IEEE student branch	Understanding PIC Programming
6	IEEE Annual LINK F2F MEET	06-03-2011	Local	55	IEEE Kerala Section	Student Meet
7	5 days Workshop on Digital ASIC Design using Synopsys Tools	10/8/10 to 15/8/10	Local	25	AMRITA & D'gipro	Understanding ASIC flow
8	Workshop on Digital and Analog ASIC Design using CADENCE tools	12/5/11 to 14/5/11	Local	36	AMRITA & Cadence	Understanding CADENCE Tool
9	IEEE STAC Workshop- Introduction to Digital Design Using HDL	14-08-2010	Local	75	IEEE	Understanding HDL Programming
10	Analog and Digital VLSI Design Using Cadence Tools	May 12-14, 2011	Local	36	Cadence	Understanding CADENCE Tool
11	ASIC Design Using Design Compiler and Prime Time Synopsys Tools	11/9/11	Local	30	Synopsis	Understanding SYNOPSIS Tool
12	Introduction to High speed MAC design	15/8/10	Local	28		Understanding MAC design
13	IEEE PIC EXCEL'08- National Workshop on PIC Microcontrollers	18 – 20 July, 2008	Local	75	IEEE Student Branch,	Understanding PIC Programming
14	IEEE PIC EXCEL'10 - National Workshop on PIC Microcontrollers	27 – 29 March 2010	Local	75	IEEE Student Branch,	Understanding PIC Programming
15	Students Technical Awareness Campaign	14/8/10	Local	25	IEEE Student Branch	Understanding HDL Programming

	(STAC)- Introduction to Digital Design using HDL					
16	PICTris 2011- Workshop on PIC Microcontrollers	Feb 21 to 25, 2011	Local	75	IEEE Student Branch	Understanding PIC Programming
17	ECLECTIC' 11, IEEE Kerala Section LINK Program	6/3/2011	Local	50	IEEE Student Branch	Student Meet
18	Seminar on USB 2.0	15/9/11 to 22/9/11	Local	12 0	IEEE Student Branch	Understanding USB

Total number of Seminars/ Conferences/Workshops conducted: 2013-2014						
S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY	Number of Participants	Source of Funding		Seminar / Workshop Outcome
1.	Lab Orientation Programme for odd semester	7 th and 8 th July	Local	35	Amrita Vishwa Vidyapeetham	Equipped the faculty to handle lab sessions effectively
			Within State			
			Outside State			
2.	National Conference on “Technological Advancements in Power & Energy-Tap energy 2013” Organized by EEE dept and co-sponsored by KSCSTE, EMC	4 th to 6 th July 2013	Local	46	Amrita Vishwa Vidyapeetham	
			Within State	8		
			Outside State	5		
Total number of seminars/workshops conducted: 2012-2013						

Sl. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants	Source of Funding		Seminar / Workshop Outcome
1	Workshop on “basic Electronics and Micro-controllers”	22/05/2013 to 03/06/2013	Local	45	Amrita Vishwa Vidyapeetham	Students were introduced to the programming aspects of micro-controllers and hardware development of basic electronics circuits.
			Within State			
			Outside State			
2	Workshop on “Wind Energy Resource Assessment and Simulation” by Mr.S. R. Mohanrajan Mr.T.Prabu & Ms.M Jisma, ASE,Ettimadai	26 th -27 th April 2013	Local	30	Amrita Vishwa Vidyapeetham	
			Within State			
			Outside State			
3.	Lab Orientation Programme for even semester	1-7 th January 2013	Local	35	Amrita Vishwa Vidyapeetham	Equipped the faculty to handle lab sessions effectively
			Within State			
			Outside State			
4.	Talk on “Energy efficiency Considerations in Power Systems” by Mr. Narayanan A. M & Talk on “The Electric car and the renewable energy Sources-	20 th December 2012	Local	77	Amrita Vishwa Vidyapeetham	Official Inauguration of IEEE-IAS student Chapter
			Within State			
			Outside State			

	Hype or Solution?” by Dr. Peter Magyar					
5.	FDP on “Ethics in Teaching”	5 th -7 th December 2012	Local	53	Amrita Vishwa Vidyapeetham	Helped the participants to improve the teaching qualities
			Within State			
			Outside State			
6.	FDP on “Laboratory Experiments & Equipment Maintenance” (as a part of Inauguration of Equipment repair centre) by Prof. P Madhavan nair	29 th -30 th November 2012	Local	26	Amrita Vishwa Vidyapeetham	Useful for the faculty members to design a laboratory experiment and Fault diagnose in laboratory experiments
			Within State			
			Outside State			
7.	Talk on “ Safe Switching for Operation & Maintenance” By MR. Erling Hesla	14 th November 2012	Local	90	Amrita Vishwa Vidyapeetham	Get an idea about the switching procedures for routine operation of the power system
			Within State			
			Outside State			
8.	Talk on “ Integrated Energy Management methodology” by Mr. Jayakumar Nair	16 th October 2012	Local	80	Amrita Vishwa Vidyapeetham	Get an idea about how the energy management methodology help in energy conservation
			Within State			
			Outside State			
9.	Lab Orientation Programme for odd semester	16- 21 st July 2012	Local	30	Amrita Vishwa Vidyapeetham	Equipped the faculty to handle lab sessions effectively
			Within State			
			Outside State			
Total number of seminars/workshops conducted: 2011-2012						
Sl. No.	Name of the Seminar / Workshop	Dates: (DD/MM/Y Y to	Number of Particip	Source of Funding		Seminar / Workshop Outcome

	organized by the Department	DD/MM/Y Y)	ants			
1.	Faculty Development programme on Electromagnetic Theory	5 th to 7 th January 2012	Local	8	Amrita Vishwa Vidyapeetham	helped to equip the faculty members to handle the subject Electromagnetic Theory effectively
			Within State			
			Outside State	4		
2.	Lab Orientation Programme for even semester	2 nd to 4 th January 2012	Local	20	Amrita Vishwa Vidyapeetham	Equipped the faculty to handle lab sessions effectively
			Within State			
			Outside State			
3.	ISTE sponsored two week workshop on Solar Photovoltaics: Fundamentals, Technologies and Applications	12 th to 22 nd December 2011	Local	20	IIT Mumbai	Faculty were trained on the design aspects of solar energy harvesting system
			Within State	2		
			Outside State			
4.	One day workshop on PLC by Customer Support Engineers from Vi- Micro Systems Pvt. Ltd., Chennai	19 th November 2011	Local	50	Amrita Vishwa Vidyapeetham	Students were introduced to the programming aspects of PLC
			Within State			
			Outside State			
5.	Training sessions on Lab- View software	10 th & 11 th October 2011	Local	8	Amrita Vishwa Vidyapeetham	explored the applications of Lab – View in various fields of engineering
			Within State			
			Outside State			
6.	Lab Orientation Programme for odd semester	4 th to 8 th July 2011	Local	15	Amrita Vishwa Vidyapeetham	Equipped the faculty to handle lab sessions effectively
			Within State			
			Outside State			
Total number of seminars/workshops conducted: 2010-2011						
Sl.	Name of the	Dates:	Numb	Source of Funding	Seminar /	

No.	Seminar / Workshop organized by the Department	(DD/MM/YY to DD/MM/YY)	er of Participants			Workshop Outcome
1.	Technical Training on Power system Relays by Somnath Guptha, Madhusudhanan, Design Engineers PRDC Bangalore	27 th -28 th June 2011	Local	13	Amrita Vishwa Vidyapeetham	Faculties were Introduced with the relay panel and its operation
			Within State			
			Outside State			
2.	“Imperium-2011”	5-7 March 2011	Local	300	Amrita Vishwa Vidyapeetham	Provides great opportunities for the students to grow themselves in technical areas like Robotics, circuit debugging...
			Within State			
			Outside State			
3.	Lab Orientation Programme for even semester	4, 5, 11,12, 18, 19 and 25 th January 2011	Local	13	Amrita Vishwa Vidyapeetham	Equipped the faculty to handle lab sessions effectively
			Within State			
			Outside State			
4.	IET Sponsored STTP on “SMART Grid Application and Challenges”	21 st -23 rd December 2010	Local	28	IET, Amrita Vishwa Vidyapeetham	Importance of Smart grid technology and its challenges were discussed in detail.
			Within State			
			Outside State			
5.	“Hands on training on Harmonic Analysers and Digital Storage Oscilloscopes”	1 st October 2010	Local	20	Amrita Vishwa Vidyapeetham	
			Within State			
			Outside State			
6.	Soft Skills Training- An Introduction	30 th September 2010	Local	41	Amrita Vishwa Vidyapeetham	
			Within State			
			Outside			

			e State			
7.	“Climate Change and Green Energy Practices” by V. K. Damodaran	15 th September 2010	Local	130	Amrita Vishwa Vidyapeetham	Effects of Global warming and importance of green engry were discussed in detail
			Within State			
			Outsid e State			
8.	Invited talk by National Instruments	14 th September 2010	Local	50	Amrita Vishwa Vidyapeetham	
			Within State			
			Outsid e State			
9.	Workshop on Automation & System Integration	11 th August 2010	Local	130	Amrita Vishwa Vidyapeetham	
			Within State			
			Outsid e State			
10.	Lab Orientation Programme for odd semester	5-13 th July 2010	Local		Amrita Vishwa Vidyapeetham	Equipped the faculty to handle lab sessions effectively
			Within State			
			Outsid e State			
Total number of seminars/workshops conducted: 2009-2010						
Sl. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/Y Y to DD/MM/YY)	Numb er of Partici pants	Source of Funding		Seminar / Workshop Outcome
1.	“IMPERIUM 2010”	8 th ,9 th and 11 th of March 2010.	Local	150	Amrita Vishwa Vidyapeetham	Explored students skill in different technical areas like AERO-Modeling, Circuit Analysis and Debugging etc
			Within State			
			Outsid e State			
2.	Workshop on “Pspice based system simulation”	28 th - 29 th December 2009	Local	20	Amrita Vishwa Vidyapeetham	Introduced PSPICE simulation toolbox
			Within State			
			Outsid e State			

3.	Workshop on “Programmable logic Controllers and SCADA” by Prolific Technologies	24 – 27 November 2009	Local	36	Amrita Vishwa Vidyapeetham	Helped the students for various technical work like project, mini project technical fest..etc
			Within State			
			Outside State			
4.	Talk on “ How to write & present a technical paper” Dr. P. S. Chandramohan an Nair	27 August 2009	Local	13	Amrita Vishwa Vidyapeetham	
			Within State			
			Outside State			
5.	Seminar on “VLSI Techniques” Mr.Deepak E S	August 26, 2009	Local	9	Amrita Vishwa Vidyapeetham	Very Large Scale Integrated circuitry introduced to the faculties.
			Within State			
			Outside State			
6.	Distinguished Lecture on “Future visions for high efficiency power plants and Recent developments in solid oxide fuel cell systems” by Dr. P Aravind	August 17, 2009	Local	130	Amrita Vishwa Vidyapeetham	Learned about Fuel cells..
			Within State			
			Outside State			
7.	Power system analysis using ETAP/PSCAD software	10-11 th August 2009	Local	06	Amrita Vishwa Vidyapeetham	Introduced the power system analysis toolboxes
			Within State			
			Outside State			
8.	Distinguished Lecture on “Micro Renewable Energy” By Narayanan Menon Komerath	6 th August 2009	Local	120	Amrita Vishwa Vidyapeetham	Delivered the importance of Renewable energy and micro renewable energy systems.
			Within State			
			Outside State			
Total number of seminars/workshops conducted: 2008-2009						

S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants	Source of Funding		Seminar / Workshop Outcome
1.	STTP on “ Soft Computing Techniques” by S. Indulal and Francis M Fernandez, CET Trivandrum	13 th to 16 th May 2009	Local	38	Amrita Vishwa Vidyapeetham	Faculties got familiarized with ANN, fuzzy and LABVIEW software and its applications
			Within State			
			Outside State	6		
2.	Training program on Power system Relays	20-21 March 2009	Local	10	Amrita Vishwa Vidyapeetham	Familiarized with power system relays and its operation
			Within State			
			Outside State			
3.	Workshop on “Power Analyzer”	16 March 2009	Local	27	Amrita Vishwa Vidyapeetham	Demonstrated the working of power analyzer
			Within State			
			Outside State			
4.	Talk on “Energy conservation” Dr. P. S. Chandramohan Nair	2 nd February 2009	Local	800	Amrita Vishwa Vidyapeetham	Several energy conservation methods were discussed.
			Within State			
			Outside State			
5.	Talk on “Recent trends in Power systems” by Dr. R Balasubrahmanian, Centre for Energy Studies IIT Delhi	16 th January 2009	Local	70	Amrita Vishwa Vidyapeetham	Provided a detailed description on Research areas in power systems, voltage stability, and operation with ABT.
			Within State			
			Outside State			
6.	Seminar on Labview by Mr. Pramod, Techlabs	24 th October 2008	Local	34	Amrita Vishwa Vidyapeetham	Got familiarized with LABVIEW software
			Outside State			
			Within State			
7.	Workshop on “Circuits and	20 th and 22 nd October	Local	60	Amrita Vishwa Vidyapeetham	Introduction on
			Within			

	Systems”	2008	State			simulation(P SPICE & MATLAB) and circuit design were given to the students.
			Outsid e State			
8.	Campus level robotic contest”ROBO0 8”	16 th October 2008	Local	25 0	Amrita Vishwa Vidyapeetham	
			Within State			
			Outsid e State			
9.	Talk on “Electrical Safety” By sri. Unnikrishnan	30 th July 2008	Local	42	Amrita Vishwa Vidyapeetham	Safe operation of electrical systems were introduced
			Within state			
			Outsid e state			
9.	Seminar Series Organized by EEE Dept					
(a)	Seminar on “Electrical Installation and Principle of Design” by Dr. N Rajendran	30 th July & 4 th August 2008	Local	14	Amrita Vishwa Vidyapeetham	Design aspects of Electrical system and its installation methods were discussed
			Within state			
			Outside state			
(b)	“An Introductio n to MATLAB control system toolbox” By Preetha P K	4 th August 2008	Local	11	Amrita Vishwa Vidyapeetham	Introduction on MATLAB/Si mulink
			Within state			
			Outside state			
(c)	Seminar on “MOODLE ” by Br . Sridhar	20 th Septem ber 2008	Local	10	Amrita Vishwa Vidyapeetham	
			Within state			
			Outside state			
(d)	Seminar on Curricular Aspects by Bri.	13 th Octobe r 2008	Local	7	Amrita Vishwa Vidyapeetham	
			Within state			

	Deepthi		Outside state			
(e)	Seminar on Teaching and learning Process by Preetha P K, Divya R Nair	14 th October 2008	Local	6	Amrita Vishwa Vidyapeetham	
			Within state			
			Outside state			
(f)	Seminar on Infrastructure & Learning Resources	16 th October 2008	Local	12	Amrita Vishwa Vidyapeetham	
			Within State			
			Outside State			

Total number of Seminars/ Conferences/Workshops conducted: 2009-2010

S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants		Source of Funding	Seminar / Workshop Outcome
1.	IETE- PAC & <i>Lakshya</i> organized a seminar on “Engineering for a Cause”	April, 2009.	Local			
			Within State			
			Outside State			
2.	IETE-PAC& <i>Lakshya</i> organized IDEA 2009		Local			targeted to award the best project idea which addresses social issues of village people.
			Within State			
			Outside State			
3.	Inauguration of a student chapter of SAE (Society for Automotive Engineer), Amritapuri by Sri Ommen Mathew, General Manager, Production, Ford India	August 8, 2009				

4.	SAE organised ‘COLT’ IA leadership Training Conference” in Amritapuri Campus	March 6-7, 2010.				
5.	ROBO2010 a national level robotics workshop on “Embedded based system and VLSI Design on Robotics” organised by Lakshya and International Institute of Information, Pune	January 29 to 31, 2010				

Total number of Seminars/ Conferences/Workshops conducted: 2010-2011

S. No	School Name	Department Name	Programme Name	Dates: (DD/MM/YY to DD/MM/YY)	# Attendees	Location / Venue
1	ASE	ME	Solid Works Training	30-08-2010 to 31-08-2010	9 Faculty Members	CAD Lab, ASE Amritapuri
2	ASE	ME	Algor Multi Physics Finite Element simulation software	08-03-2011 to 09-03-2011	2 Faculty Members	CAE Lab, ASE Amritapuri

Total number of Seminars/ Conferences/Workshops conducted: 2011-2012

S. No	School Name	Department Name	Programme Name	Dates: (DD/MM/Y Y to DD/MM/YY)	# Attendees	Location / Venue
1.	School of Engineering	Mechanical Engineering	Recent trends in Machining	25/08/2011 to 26/08/2011	2	Etimadai, Tamilnadu
2.	School of Engineering		Sustainable Development and Governance : Building Commerce	12/12/2012 to 14/12/2012	1	Etimadai, Tamilnadu

			and Communiti es			
3.	School of Engineering	WNA	Internationa l Conference on Wireless Technologi es for Humanitari an Relief	18/12/2012 to 21/12/2012	1	Amritapuri , Kerala

31. Code of ethics for research followed by the School

The faculty who wish to claim credit for their publication(s) are required to fill up the prescribed form in hard copy and get it countersigned by the HOD before submitting it. The plagiarism check has to be done by the concerned researcher with a set of tools prescribed to ensure authenticity of the publication. The other norms can be summarized as follows

a. **Objectivity.**

i. **Unbiased Attitude:** The researcher shall approach all assignments with acknowledgement of personal biases and make all attempts to minimize the effect of such biases in the conduct of the work.

ii. **Conflicts of Interest:** The researcher should disclose situations in which financial or other personal considerations may compromise, or have the appearance of compromising, decisions or the performance of services. Disclosure and proper management of such situations assures that unavoidable conflicts do not interfere with the integrity of performance of duties.

b. **Use of Accepted Technical Standards:** The researcher shall conduct all tasks in accordance with accepted technical standards.

c. **Initial Discussions:** Before an assignment is begun, the researcher shall clarify with the sponsor and/or major users the purposes, expectations, strategies, and limitations of the research.

Special care shall be taken to recommend research techniques and designs that are appropriate to the purposes of the project.

d. **Identification of Responsibility:** The researcher shall accept responsibility for the competent execution of all assignments which he/she, or a subordinate, undertakes, and shall display individual and/or office authorship, as appropriate, on all such reports.

e. **Quality of Secondary Data:** The researcher shall exercise reasonable care to ensure the accuracy of data gathered by other individuals, groups, offices, or agencies on which he/she relies, and shall document the sources and quality of such data.

f. **Reports:** The researcher shall ensure that all reports of projects are complete; are clearly written in language understandable to decision-makers; fully distinguish among assumptions, speculations, findings, and judgments; employ appropriate statistics and graphics; adequately describe the limitations of the project, of the analytical method, and of the findings; and follow scholarly norms in the attribution of ideas, methods, and expression and in the sources of data.

g. **Documentation:** The researcher shall document the sources of information and the process of analysis in each task in sufficient detail to enable a technically

qualified colleague to understand what was done and to verify that the work meets all appropriate standards and expectations.

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MCA	90	5	22		
MCA(Lateral Entry)	40	9	13		
BSc(2012)	60	24	14		
BCA	130	42	25		

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage		
		Male	Female	Male	Female	
B-Tech(EEE)						
2012	104	64	40	S1 S2	62.5 73.4	77.5 95
2011	126	79	47	S1 S2 S3 S4	81.01 83.27 83.54 74.68	85.11 89.36 93.61 97.87
2010	117	76	41	S1 S2 S3 S4 S5 S6	73.68 90.78 81.57 85.52 85.52 81.57	87.8 97.56 90.24 92.68 95.12 97.56
2009	94	61	33	S1 S2 S3 S4 S5 S6 S7 S8	70.49 77.04 68.85 73.77 78.68 88.52 88.52 90.16	81.81 93.9 81.81 81.81 90.9 93.9 93.9 100
2008	69	36	33	S1 S2 S3 S4 S5 S6 S7 S8	77.77 61.11 66.67 83.33 80.55 83.33 86.11 83.33	69.69 57.57 66.67 90.90 100 93.93 93.93 96.96

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage		
		Male	Female	Male	Female	
B-Tech ME						
2012	140	137	3			
2011	137	135	2			
2010	69	66	3			
2009	59	58	1			
2008	71	70	1			

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
BTECH ECE	0%	67%	31%	1.35%
MTECH VLSI	10%	98%	5%	0%
B-Tech(EEE)				
2005	Nil	64	0	Nil
2006	Nil	56	7	Nil
2007	Nil	65	1	Nil
2008	Nil	66	15	Nil
2009	Nil	64	30	Nil
2010	Nil	76	39	Nil
2011	Nil	100	26	Nil
2012	Nil	104	16	Nil
M-Tech(Power and Energy)				
2011	2	19	1	Nil
2012	0	27	1	Nil

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M-Tech(Thermal & Fluids)				
2011	1	16	1	Nil
2012	0	5	4	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. For students with admission status active during the report period:

S. No.	School Name	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SL ET qualified	# qualified in other exams
1	ASE	CSA				15		
1	ASE	CSE		20	13			
1	ASE	ECE		2009 Admission Jyotsna(99.8688) Harshana Ashra Lekshmi Rames (99.5264) Thejus Thirume (99.2176) Sreenath V(98.8 Sudeep C(98.80 Budhota Aamani(98.234 Srinivas(98.092 Shreeja (97.64) RP Kartheek(97 Pallavi(97.16) SreeLaksmi PV Govind(96.26) Prem swaroop(9 Gayathri M(94. Ramachandran (93.66) Hari Kumar(92. Deepak M(91.5 Gokul A(90.19)				

				Karunakaran(98.34) Maneesha(98.34) Gayathri(98.14) AnanthaPadmar Sreenivas Mally Rizwin(95.57) Avinash Nair(94.81) Ajay(93.81) Paul (93.62) Lakshmi Priya(89.75) Aswathy Asok(89.75) 2007 Admission Nikhil Krishna Aswathy(99.79) Nimisha(99.30) Akash (8.62) Vineeth(98.46) Navneeth(97.75) Srinath(97.25) Adarsa(95.96) Neeraj(95.44) Pradeep(94.33) Arathy(94.18) Mathew(94.00) Mithila(93.07) 2008 Admission			
1	ASE	EEE		Ruby Raj(30.33/100)) Sambhu S(31.33/100) Lakshmi Devadas(29/100) Ajay K(49/100) Roshni Raveendran(2	Greeshma (score: 308/340) CH Hema Ratna Naga Jyothi (score:308/340) Ramman Bharadwaj M (score:310/340)	Reethu Bandaru(2.0) Vinay pillai(85.0) M. Sandeep(62.0) Anju NS (70.10)	Hima Krishna [MAT] Greeshma[TOFEL-97/120] Tati Sruthi[TOFEL-84/120] Rammann

				7/100) S N Vijayaraghavan(27.33/100) Siddharth Varma(39.67/100) Srivisakh G(26/100) Akhil S(26/100) M Pradeep Kumar(37/100) Nakul Sasikumar36.33/100) Vishnu S(36/100) Balabhadrapatruni Sridhar(27/100) G Uday Kiran(28.67/100) Jishnu Prakash P(35/100)	Tati Sruthi (score:295/340)	Gokul Krishnan (82.0) V V Teja (64)		Bharadwaj M [TOEFL score:103/120]
1	ASE	EEE		12 students Mahesh V (99.74) Vineethkrishnan (97.5) Megha R (97.3) Anil P C (95)	3 students Ashok Krishnan Shyam Janakiraman	4 students Sarath Mohan Preethi P		<u>TRANS</u> ET Anil P C Sudev V

				Deepu A.S (94.3) G Madhanagopal (92.06) Lakshmi Priya (91.33) Bharath (90.84) Sanjeevarayadu (90.83) Vandana S Pai (90.33) V Sudev (90.33) Arya Sankari (86.5)	A Sruthi	Gopal Amman ath Megha Raveen dran		
1	ASE	EEE		Sreelakshmy(33.67/100) Anil C S(42/100) Sreeram varma P C(32.67/100) Soumya Shanker(37.3 3/100) Vishakh K H (29.33/100) Bharath k R (38.33/100) Saranya .T.L(22.3/100)				
1	ASE	EEE		Rajasree R (35.67/100) T Vikneswaran(26/100) Gokul H(37.33/100) Sanjay V(43.67/100) Darshan Ramachandra n(37/100) Praseeda A Warrier(27.33 /100) Vivek				

				A(38.33/100) P Ravi Subramanyam (32.67/100) Deepika Unnikrishnan(34/100)				
1	ASE	EEE				Divya Menon		
1	ASE	ME		Ebin PS (91) Harikrishnan G (92) Jaseela K (89) Arya Soman (89) Manu Sivan (87)				

For passed out students who got the NET/SLET/GATE etc results during the report period:

S. N o.	Sch ool Nam e	Depart ment Name	# NET qualif ied	# GATE qualified	# GRE qualif ied	# CAT qualif ied	# SLET qualif ied	# qualif ied in other exam s
1	ASE	CSA	1					
2	ASE	EEE		Ajish P J (51.33/100) Harikrishnan.M.S (69.33/100)				
3	ASE	EEE		Anil CS (99.99) C (Febi 99.7)				
4	ASE	ECE		Naveen Bhai (99.76) Jinu (97.77) Jeyapradha(99.70)				

35. Student progression CSA

Student progression	Percentage against enrolled
UG to PG	>90%
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	

Student progression	Percentage against enrolled
Employed - Campus selection - Other than campus recruitment	MCA – 60% MSc - 20% BSc - 3 to 5%
Entrepreneurs	MCA – 40% MSc - 70%

ECE

Student progression	Percentage against enrolled
UG to PG	~40%
PG to M.Phil.	NA
PG to Ph.D.	33%
Ph.D. to Post-Doctoral	Nil
Employed - Campus selection - Other than campus recruitment	100 (excluding 2013) 10%
Entrepreneurs	2 %

36. Diversity of staff

Percentage of faculty who are graduates	CSA	CSE	ECE	EEE		ME	
				B TECH	M TECH	B TECH	M TECH
of the same university	70%	16.6 %	~23%	12.12	17.24	12.12	17.24
from other universities within the State		44.6 %	~22%	69.7	75.86	69.7	75.86
from universities from other States	30 %	25 %	~22%	18.18	6.9	18.18	6.9
from universities outside the country		13.8 %	~23%	NIL	NIL	NIL	NIL

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

S. No.	Name of faculty	Name of Advanced Degree (include specialization)	Month & Year of Passing
1	Veena G	MTech in Computer Science	July 2013
2	GeethaLakshmy	MTech in Computer Science	July 2013
3	Jisha R C	M.Tech in Wireless Networks and Applications	Dec 2012
4	Lekshmi G S	M.Tech in Wireless Networks and	Dec 2012

		Applications	
5	Ms. Maneesha V Ramesh	Ph.D	July, 2009
6	Mr. jayaraj P	Ph.D	July ,2012
7	Ms. Jyothisha J Nair	Ph.D	August ,2013
8	Remya Velayudhan	ME in Computer & Communication	July,2008
9	Sandhya Harikumar	M.Tech - CSE	July,2009
10	VinithaPanicker J	M.Tech - Digital Image processing	July,2009
11	Sarath S	M.Tech- Computer Science and Information Technology	July,2010
12	Siji Rani S	M.Tech -Computer Science and Information Technology	July, 2010
13	Lekha S Nair	M.Tech - Digital Image computing	September,2012
14	Lekshmi S Nair	ME - CSE	July, 2012
15	Prathibhamol C P	M.Tech - Software Engineering	July ,2012
16	Jasmine T Bhasker	M.Tech – Machine learning	July,2013
17	Archana K Rajan	M.Tech - Machine learning	December,2012
18	Dr. Renu	PhD (Signal Processing)	August 2013
19	Dr.Purushottaman	Ph.D (Analog VLSI)	June 2013
20	Dr. Kanakasabapathy P	Ph. D (Electrical Engineering – Power Systems)	July 2011
21	Lekshmi S	M.Tech(Control & Instrumentation)	2012
22	Sreelekshmi R S	M.Tech(Power Systems)	2012
23	Seema PN	M.Tech(Control & Instrumentation)	2012

38. Present details of departmental infrastructural facilities with regard to

a) Library

Apart from the Central library, each department library has a good number of collections of text books of all computer science fields. Department library also maintains project reports of all successfully completed student thesis/dissertation.

b) Internet facilities for staff and students

Machines in faculty rooms and in M.Tech labs are given wired access to Internet. Apart from this, internet café is available in the campus. Faculty members, staffs and students can also get WIFI connectivity.

- c) Total number of class rooms
60 class rooms.
- d) Class rooms with ICT facility
40
- e) Students' laboratories
 - 3 Computing centers for BSc, MSc, MCA & BCA
 - Cisco Labs for certified courses.
 - 2 M.Tech Labs, 2 Computing centers for B.Tech for CSE students
 - The ECE department has Laboratories for Electronics, Digital Design, Communication, DSP, Microwave, Embedded System and VLSI with Research laboratories : (i) HUT: Humanitarian Research Labs (ii) Amrita Pushkara
 - 9 research laboratories for EEE department
 - 8 laboratories for ME department

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university
- b) from other institutions/universities

Sl. No	Name of the Research Scholar	Previous Highest UG/PG degree	Previous University	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1	Ms Remya R K Menon	MCA	Bharatthiar University/ Amrita University	Dept. of Computer Science, Amrita School of Engineering, Amritapuri Campus	Dr M.R. Kaimal, Chairman, Dept. of CSE, ASE, Amritapuri	Design of Efficient Machine Learning Algorithms in the field of Bioinformatics
2	Ms Geetha M	M.Tech.	Amrita University	do	Dr M.R. Kaimal, Chairman, Dept. of CSE, ASE, Amritapuri	Towards developing a methodology for the translation of Indian Sign Language
3	Mr Kamalanthan K	BE	Coimbatore Institute of Technology, Bharatiar	do	Dr P Venkat Rangan, Vice Chancellor,	Researching Software Stack for

			University		AVVP	Database & Execution of Planner module for query optimization in Cloud Environment.
4	Mr Hari N N	MCA	REC, Calicut University	do	Dr P Venkat Rangan, Vice Chancellor, AVVP	Preventing insider attacks in a cloud environment
5	Mr Vipin Pavithran	BE, Electronics	Bharathiar University	do	Dr P Venkat Rangan, Vice Chancellor, AVVP	Cloud Computing and Security
6	Mr Amit Dhar	B Tech. Computer Science	JNTU, Hyderabad	do	Dr P Venkat Rangan, Vice Chancellor, AVVP	Simulation, Analysis and Mitigation (SAM) of DDoS Attacks
7	Mr J. Swaminathan	M.Tech., Computer Science	Sri Sathya Sai University	do	Dr. Bharath Jayaraman, Chairman, CSE Dept. SUNY-Buffalo	Dynamic Analysis of Programs
8	Mr SRIRAM K	BE, Electronics	Sriram Engg. College, Madras University	do	Dr P Venkat Rangan, Vice Chancellor, AVVP	Embedded System Testing
9	Ms Sandhya Harikumar	M.Tech in Computer Science	IIT, Delhi	do	Dr Ramachandra Kaimal, Chairman, Dept. of Computer Science, ASE	Semantic Data Modeling and Efficient Access Mechanisms
10	Ms Bhavani Rao	MS	Wayne State University of Medicine	do	Dr Maneesha V Ramesh, Director,	Human Computer Interaction

					Center for Wireless Networks and Applications, ASE	
11	Mr Abishek T K	MS	Imperial College, London	do	Dr Maneesha V Ramesh, Director, Center for Wireless Networks and Applications-ASE	Adaptable Wireless Sensor Networks and Robotics
12	Ms Rekha P	MSc Applied Electronics and Computer Technology	MG University	do	Dr Maneesha V Ramesh, Director, Center for Wireless Networks and Applications, ASE	Dependable Wireless Sensor Networks
13	Ms Remya. R	M.Tech. Computer and Information Science	Cochin University	do	Dr Ramachandra Kaimal, Chairman, Dept. of Computer Science, ASE	Development of an Intelligent Human support System
14	Ms T. Hemalatha	M.Tech.- Remote Sensing and Wireless Sensor Networks	Amrita University	do	Dr Maneesha V Ramesh, Director, Center for Wireless Networks and Application	Remote Sensing and Wireless Sensor Networks

					s, ASE	
15	Ms Hridya V Ramesh	MSc Computer Science	Amrita University	do	Dr Bharath Jayaraman, Professor, University of Buffallo	Dynamic Constrained Object
16	Mr R. Raghura man	MCA, MBA	JNU School of Computer Science, New Delhi	do	Dr Maneesha V Ramesh, Director, Center for Wireless Networks and Application s, ASE	Stochastic Models on ICT Diffusion as an Innovation
17	Ms Prema P Nedungad i	MCA	JNU School of Computer Science, New Delhi	do	Dr Maneesha V Ramesh, Director, Center for Wireless Networks and Application s, ASE	Efficiency of Adaptive Learning and Assessment: - Statistical Modeling and Knowledge Data Discovery
18	Ms Lakshmi Nambiar	MBA, MS	Manipal University, Oakland University	do	Dr G. Jayachandra n Nair, Distinguish ed Professor, Dept. of ECE, ASE	Analysis of EEG Signals stimulated by brain and pathological conditions for application in areas like BCI
19	Mr Athinaray anan	ME	Anna University, Coimbatore	do	Dr M.R. Kaimal, Chairman, Dept. of CSE, ASE, Amritapuri	Automated Behavior Analysis of a Student In an E- Learning Environmen

						t
20	Mr Jinesh. M.K	MSc Computer Science	Amrita University	do	Dr Krishnashre e Achuthan, Director, Amrita Center for Cyber Security	Formal Models for Trust in Cloud Computing
21	Ms Sujadevi. V.G	M Phil	BITS, Pilani	do	Dr Krishnashre e Achuthan, Director, Amrita Center for Cyber Security	Health Care Security
22	P. Prabahara n	MS	Strayer University, USA	do	Dr Krishnashre e Achuthan, Director, Amrita Center for Cyber Security	Cyber Security & Privacy
24	Simi S	MTech WNA	Amrita	do	Dr Maneesha V Ramesh, Director, Center for Wireless Networks and Application s, ASE	Wireless optimistic networks
25	Adwitiya M	MSc CS	Bharatidasa n	do	Dr Maneesha V Ramesh, Director, Center for Wireless Networks and Application s, ASE	Wireless heterogeneo us networks
26	Malini Soman	MTech WNA	Amrita	do	Dr Maneesha V Ramesh, Director, Center for	Body area networks

					Wireless Networks and Applications, ASE	
27	Arya Devi R D	MTech WNA	Amrita	do	Dr Maneesha V Ramesh, Director, Center for Wireless Networks and Applications, ASE	Smart grid solution for Indian electrical grid
28	Jayakuam r P	MSc. CS	Amrita	do	Dr. Bhadrachalam Chitturi	Design and analysis of algorithms in bio-computation and bio informatics
29	Sreedevi A G	M.Tech WNA		do	Dr Maneesha V Ramesh, Director, Center for Wireless Networks and Applications, ASE	Wireless sensor networks
30	G Uma	MTech WNA	Amrita	do	Dr Maneesha V Ramesh, Director, Center for Wireless Networks and Applications, ASE	Wireless & Multimedia communication
31	P.P Rahul krishnan	B.Tech CSE	Amrita	do	Dr Maneesha V Ramesh, Director, Center for	Wireless & Multimedia communication

					Wireless Networks and Applications, ASE	
32	Nisha M S	M.Tech WNA	Amrita	do	Dr Maneesha V Ramesh, Director, Center for Wireless Networks and Applications, ASE	Wireless heterogeneous networks
33	Bithin A	MSc. CS	Amrita	do	Dr Krishnashree Achuthan, Director, Amrita Center for Cyber Security	Secure file and storage system
34	Fabien Robert	MS	Institute National e Plytechnique de Grenoble-France	do	Dr Maneesha V Ramesh, Director, Center for Wireless Networks and Applications, ASE	Integrating renewable sources of energy in electrical grid
35	Indulekha T S	MCA	CMR IMS/ Bangalore University	do	Dr. Jayaraj P, Associate Professor, Dept: of Computer Science, Amritapuri Campus	Specification and verification of temporal properties of concurrent event driven programs
36	R. Unnikrishnan	MCA	Amrita	do	Dr Govind Srimathveeravalli / Dr Balakrishnan Shankar	Multi - model therapy system for child motor rehabilitation

						n
37	Jose. J			do	Dr M.R. Kaimal, Chairman, Dept. of CSE, ASE, Amritapuri	Haptic enabled virtual grasp:accurate multipoint haptic rendering
38	Ramkumar. N				Dr Maneesha V Ramesh, Director, Center for Wireless Networks and Applications, ASE	Mutlimedia & Wireless network
39	Kaushik Ramanathan			do	Dr Maneesha V Ramesh, Director, Center for Wireless Networks and Applications	Wireless networks
40	Preeja Pradeep	MTech WNA	Amrita	do	Dr Maneesha V Ramesh, Director, Center for Wireless Networks and Applications	Wireless sensor networks
41	Sruthy Anand	MTech WNA	Amrita	do	Dr. Shiffon Chatterji	Technology & Methods to support innovative pedagogical approaches
42	Aswathy Asok	MTech WNA	Amrita	do	Dr Krishnashree Achuthan, Director, Amrita	SDN enabled security applications

					Center for Cyber Security Networks and Applications, ASE	
43	Karthi Balasubramanian	MS in VLSI Design	Simon Fraser University, Canada	ASE, Amritapuri	Dr Nithin Nagaraj, Assistant Professor, ECE, ASE, Amritapuri	Complexity Measures In Information Theory
44	Poorna.S.S	MTech in VLSI	PSNA College of Engineering and Technology (affiliated to Anna University)	ASE, Amritapuri	Dr.Jayachandran Nair, Distinguished Professor, ECE, ASE, Amritapuri	Speech Characterization of Malayalam Language
45.	Chinmayi R	MTech in VLSI	ASE, Amritapuri	ASE, Amritapuri	Dr.Jayachandran Nair, Distinguished Professor, ECE, ASE, Amritapuri	Study of Pathological EEG Signals for Characterization, Classification And Localization - With Emphasis on Epileptic Seizures
46	Vineeth Sarma	MTech in VLSI	ASE, Amritapuri	ASE, Amritapuri	Dr Bibhu Datta Sahoo, Associate Professor, ECE, ASE, Amritapuri	All digital Radio
47	Rahul T	MTech in VLSI	ASE, Amritapuri	ASE, Amritapuri	Dr Bibhu Datta Sahoo, Associate Professor, ECE, ASE, Amritapuri	Predistortion Techniques in Digital to Analog Converters

48	Chithira Ravi	MTech in VLSI	ASE, Amritapuri	ASE, Amritapuri	Dr Bibhu Datta Sahoo, Associate Professor, ECE,ASE,Amritapuri	Non-Linearity Calibration of voltage controlled oscillator based ADCs
49	Nevin Alex Jacob	MTech in VLSI	ASE, Amritapuri	ASE, Amritapuri	Dr Bibhu Datta Sahoo, Associate Professor, ECE,ASE,Amritapuri	High Speed Serial Link Design
50	Br Rajesh Kannan	MTech in VLSI	ASE, Amritapuri	ASE, Amritapuri	Dr. Venkat Rangan, V.C, Amrita	Navigation Algorithms
51	Mr Athul Shaji	MTech in Electronics (Microwave and Radar Electronics)	Cochin University of Science and Technology	ASE,	Dr. Dhanesh G Kurup, Professor, ASE,Bangalore	Computational Analysis of Layered Media
52	Narayanan A.M Research Scholar, PhD AM.EN.D *EEE10065 Head-Energy Efficiency Division, Energy Management Centre, Dept. of Power, Govt. of Kerala	B.Sc (Engineering) (1981) Electrical Engineering	National Institute of Technology - Calicut	EEE Dept., Amrita School of Engineering, Amritapuri, Amrita Vishwa Vidyapeetham	1. Dr. P. S. Chandramohan Nair Professor and Chairperson 2. Dr. P. Kanakasabapathy Associate Professor and Vice-Chairperson Amrita School of Engineering, Amritapuri, Amrita Vishwa Vidyapeeth	Energy Efficiency in Power System
		Post Graduation Energy Management (1985-87	Dr. Ambedkar Institute of Productivity, (Earlier TIPIE) National Productivity Council, Chennai, Govt. of India			

		Certified Energy Manager & Energy Auditor (2010)	Bureau of Energy Efficiency (BEE), Ministry of Power, Govt. of India		am	
53	Ms. Preetha PK AM.EN.D *EEE11074 Asst. Professor (Sel. Gr.) EEE Dept., Amrita School of Engineering, Amritapuri, Amrita Vishwa Vidyapeetham	M.Tech in Power Systems(1997) B.Tech in EEE(1995)	College of Engineering , Trivandrum , Kerala	EEE Dept., Amrita School of Engineering, Amritapuri , Amrita Vishwa Vidyapeetham	Dr. P. S. Chandramohan Nair Professor & Chairperson Amrita School of Engineering , Amritapuri, Amrita Vishwa Vidyapeetham	Drainage power recovery from distribution transformers
54	Mr. PRAMOD SREEDHARAN, Assistant Professor	ME (CAD/CAM & Automation)	Mumbai University	Amrita University	DR. GANESH UDUPA Professor	Fluidic deflection of asymmetric flexible pipes & its control for robotic application
55	Mr. C. C. MOHAN, Assistant Professor	M.Tech (Cryogenics)	University of Kerala	Amrita University	Dr. Sankaran.K	
56	GeenaPrasad	M.Tech(Technology Management)	Kerala University	Amrita	Dr.Maneesh a V Ramesh	Environmental Engineering

40. Number of post graduate students getting financial assistance from the university.				
S. No	Name of student	Programme	Year of Enrollment	Scholarship Amount
1	Anil S	MTech CSE	2011	Rs.8000/month
2	Aiswarya S Kumar	MTech CSE	2011	Rs.8000/month
3	Bharath Reddy	MTech CSE	2011	Rs.8000/month
4	Panduranga Rao	MTech CSE	2011	Rs.8000/month
5	Sita	MTech CSE	2011	Rs.8000/month
6	Murali Krishnan K	M Tech (2011 -2013)	AM.EN.P2PR11009	Rs 8000/- per month
7	Remya R	M Tech (2012 – 2014)	AM.EN.EEE.P2PR12017	Rs 4000/- per month
8	Neethu S Prakash	M Tech (2012 – 2014)	AM.EN.EEE.P2PR12014	Rs 4000/- per month
9	Jishnu Shankar V C	M Tech (2012 – 2014)	AM.EN.EEE.P2PR12010	Rs 4000/- per month
10	Viji Vijayakumar	M Tech (2012 – 2014)	AM.EN.EEE.P2PR12025	Rs 4000/- per month
11	Arya A P	M Tech (2012 – 2014)	AM.EN.EEE.P2PR12004	Rs 4000/- per month
12	Bhavya P	M Tech (2012 – 2014)	AM.EN.EEE.P2PR12006	Rs 4000/- per month
13	I Vishnu Vardhan Rao	M Tech (2012 – 2014)	AM.EN.EEE.P2PR12009	Rs 4000/- per month
14	Ruby Raj	M Tech (2012 – 2014)	AM.EN.EEE.P2PR12019	Rs 4000/- per month
15	Radhika S	M Tech (2012 – 2014)	AM.EN.EEE.P2PR12016	Rs 4000/- per month
16	Ebin PS	M Tech (2011 -2013)	AM.EN.P2TF11005	Rs 8000/- per month
17	Harikrishnan G	M Tech (2011 -2013)	AM.EN.P2TF11006	Rs 8000/- per month
18	Jaseela K	M Tech (2011 -2013)	AM.EN.P2TF11007	Rs 8000/- per month
19	Arya Soman	M Tech (2011 -2013)	AM.EN.P2TF11004	Rs 8000/- per month
20	Manu Sivan	M Tech (2011 -2013)	AM.EN.P2TF11008	Rs 8000/- per month
21	Aparna Jayakumar	MTech	2012	8000(GATE)
22	Parvathy S J	MTech	2012	8000(GATE)
23	Ranjan Ajayakumar	MTech	2012	8000(GATE)
24	Sruthi P	MTech	2012	8000(GATE)
25	Anu s	MTech	2012	6000
26	Vishnu K	MTech	2012	6000

27	Aiswarya T Das	MTech	2013	8000(GATE)
28	K Jayakrishna	MTech	2013	8000(GATE)
29	Neema Thaha	MTech	2013	8000(GATE)
30	Nikhitha C Balan	MTech	2013	8000(GATE)
31	Vandhana Raj	MTech	2013	8000(GATE)
32	Abhinkanth	MTech	2013	8000(GATE)

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Before the development of new programmes, the proposal for the programme will be sent by the Department Chairperson to the Academic Council. The proposal will clearly state the objective of the programme. Also, the curriculum and syllabi will be examined.

42. Does the department obtain feedback from
cc. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Faculty members give the feedback/ recommendation on curriculum as well as teaching-learning-evaluation, to the chairperson/ board of studies members. These feedback/ recommendations will be taken care of by the board of studies meetings.

Student Feedback is taken via AUMS. HOD will analyse the report and take the necessary action.

- Faculty gives feedback about the curriculum/teaching learning evaluation methods during the staff meetings and class committee meetings
- Actions are initiated at the department level considering the feedback obtained, or if the problem cannot be solved within the department, it is forwarded to higher authorities for further actions.

- dd. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

At the end of each semester, students are giving feedback on their teachers. Students express their view on teachers' strengths, weakness etc. Department chairperson, based on the feedback report, take necessary steps for the improvement of teaching-learning-evaluation.

Students give feedback on staff and teaching – learning – evaluation during class committee meetings as well as at the end of the semester. The feedback is analyzed and individual faculty members are apprised of the same for appropriate action.

- Regular systematic feedback mechanism by students on staff is available. Chairperson personally discusses the feedback with the faculty members and encourage them to take corrective actions if needed

- ee. **Alumni and employers on the programmes offered and how does the department utilize the feedback?**

43. List the distinguished alumni of the department (maximum 10)

1. Renith Radhakrishnan(MCA)
2. Anathalekshmi S(BSc CS)
3. Mridula Madhusoodan (CSE)
4. Abhilash T G (CSE)
5. Nikhil Krishnan M(ECE)
6. Venkat Krishnan. B(ECE)
7. Lakshmi S, Sr. Engineer, LT Mumbai (EEE)
8. Balaji T, Power System Engineer, PRDC, Bangalore (EEE)
9. Nandu Gopan, (ME)
10. Jeethu S Babu (ME)

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S.No.	Name of Expert Resource	Topic	Date	Number of participants
1	Madhukumar, NIT Calicut	Distributed database	June27- 29,2013	40
2	Microsoft	Edu-Kinect	August 2012	70
3	Infosys	Cloud Computing	2012	120
4	Mr Rajesh Sharma, Walt Disney Animation Studios	Dynamics & Animation Technology	2011	80
5	Dr. Martin van Steen	Distributed Systems	2011	50
6	Dr. Clif Kussmaul, Associate Professor of Computer Science, Muhlenberg College, Allentown, PA	Soft Computing	3 rd August, 2011	35
7	Dr Sambhu Upadhyaya, State University of New York, Buffalo	‘Trends in Cyber Security	August2009	60
8	Prof. Manoj Prabhakar, MIT	Information Security’	August 2009	75
9	IBM	Free and Open Software	May 26-27, 2008	75
10	Prof. Josef Bigun, Halmstad University Professor of Signal Analysis	Interaction Session with student and faculty .	23/03/12 (One day)	180
11	Technical session	Technical session by Infosys cloud + Services	9/11/2012	110
12	Microsoft	Information session by Microsoft	9/11/2012	120
13	ARK Techno Solutions	Android Workshop	31Jan-1feb 2102	150
14	Dr. M. Nandakumar Professor	Talk on “Active Power Filters”	6 th july 2013	59

	Department of EEE,GEC Thrissur			
15	Mr. James M. David Dy. Chief Engineer, KSEB	Talk on "Operational problems in an utility under scarce power scenario"	6 th july 2013	59
16	Mr. A.M. Narayanan Head-Energy Efficiency Division Energy Management Centre	Talk on "Energy Efficiency and Economy"	5 th july 2013	59
17	Dr. K Gopakumar Professor and Chairman Department of Electronic Systems Engineering, IISc Bangalore	Talk on "Power converters for medium voltage variable speed drive applications"	5 th july 2013	59
18	Mr. K.M.Dharesan Unnithan Director , Energy Management Centre, Govt. of Kerala Prof. V K Damodaran Director General, INGCORE, Trivandrum & Hangzhou	Talk on "Energy Efficiency-the need of the hour"	4 th july 2013	59
19	- UNIDO International Energy Consultant - Chairman, Chakshumathi (Empowerment & Assistive Technology Centre for the Blind)	Talk on "Technologies to Power Future"	4 th july 2013	59
20	Dr. Ashok S Professor of EEE, NIT Calicut	Talk on "Energy Management considerations in Industrial load control"	4 th july 2013	59
21	Dr. Francis M. Fernandez Associate Professor, Dept. of EEE, College of Engineering, Trivandrum	Preconference tutorial on "Maintaining Power Quality - Challenges and Solutions"	4 th july 2013	59
22	Sreenivasan M. K	Workshop on basic Electronics and Micro-controllers	22/05/2013 to 03/06/2013	45

23	Mr.S. R. Mohanrajan Mr.T.Prabu & Ms.M Jisma, ASE,Ettimadai	Workshop on “Wind Energy Resource Assessment and Simulation”	26 th -27 th April 2013	30
24	Mr. Narayanan A. M	Talk on “ Energy efficiency Considerations in Power Systems”	20 th December 2012	77
25	Dr. Peter Magyar	Talk on “The Electric car and the renewable energy Sources- Hype or Solution?”	20 th December 2012	77
26	MR. Erling Hesla	Talk on “ Safe Switching for Operation & Maintenance”	14 th November 2012	90
27	Mr. Jayakumar Nair	Talk on “ Integrated Energy Management methodology”	16 th October 2012	80
28	Vi- Micro Systems Pvt. Ltd., Chennai	One day workshop on PLC by Customer Support Engineers from Vi- Micro Systems Pvt. Ltd., Chennai	19 th November 2011	50
29	V. K. Damodaran	“Climate Change and Green Energy Practices”	15 th September 2010	130
30	National Instruments	Invited talk by National Instruments	14 th September 2010	50
31	Prolific Technologies	Workshop on “Programmable logic Controllers and SCADA”	24 – 27 November 2009	36
32	Dr. P Aravind	Distinguished Lecture on “Future visions for high efficiency power plants and Recent developments in solid oxide fuel cell	August 17, 2009	130

33	Narayanan Menon Komerath	systems” Distinguished Lecture on “Micro Renewable Energy”	6 th August 2009	120
34	Dr. P. S. Chandramohan Nair	Talk on “Energy conservation”	2 nd February 2009	800
35	Dr. R Balasubrahmanian, Centre for Energy Studies IIT Delhi	Talk on “Recent trends in Power systems”	16 th January 2009	70
36	Sri. Unnikrishnan	Talk on “Electrical Safety”	30 th July 2008	42
37	Professor Masahiro Fujitha from University of Tokyo	VLSI	20/12/11	15
38	Dr Anand	Digital Flow Overview of	15/7/2013	33
39	Dr Dhanesh	Communication System	20/7 2013	20
40	Prof Chetan D Parikh	Electronic Circuits	12/7/2013 to 14/7/2013	70

45. List the teaching methods adopted by the faculty for different programmes.

Teaching is done in an interactive way. During lectures, teachers are always trying to get the students’ attention to the subject this way.

We point out how a topic is connected to other topics in the same course or with topics in other disciplines to help global learners see the 'big picture' and presenting information in a logical progression of small steps to help sequential learners understand a lesson. The teachers usually ask questions and try to develop the theory based on the answers and typical examples. At every level the students are encouraged to explore, guess and formulate definitions, logic and results.

All core subjects are supported with lab hours. Lab hours are utilized to evaluate the students’ learning of the application level of the subject. Majority of the lecture hours are ICT supported. The lectures are supported by

- Use of power-point presentations and videos for lectures
- Use of Digital Library where abundances of resources such as video lectures, past years question papers, audio lectures, GATE preparatory material etc are made available to all students.
- Satellite/AVIEW based learning for some specialized courses from other universities in India and abroad.
- Students can get access to WiFi within campus so that they can access above mentioned resources and other resources via internet (such as MIT Online courses, Coursera, etc.)
- For evaluation, sometimes online exams are conducted which are quick and effective especially when it has to be conducted for hundreds of students. The question-data base can be setup and the Amrita-built software has provisions for inserting figures, etc. Things can be setup so that each student gets different

question paper (the software chooses from the given database). The order of questions, and the order of choices, and the questions themselves can be different for different students.

- In some subjects, there is option for conducting open-book exam
- Conventional board and chalk method
- Regular Industrial visits for giving students practical exposure
- Simulation Assignments and mini projects as evaluation tools

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Class committee and course committee meeting are conducted regularly to monitor the teaching-learning process. Also, at the end of each semester, feedback will be obtained from every student.

This is done via the following:

- a. Efforts to improve the placement in core companies – additional training is being provided towards this objective to the students after they complete their third year
 - b. Counseling and technical support provided to students for competitive exams like GATE & GRE (including facilitating coaching on campus)
 - c. Increased emphasis on publishing of work done in student projects (final year curricular projects)
 - d. Continuous monitoring of academic performance of students on individual basis via the assigned class counselors
 - e. Questions papers of periodical exams are scrutinized by a committee to ensure the syllabus completion as per course plan and to maintain required standards
47. Highlight the participation of students and faculty in extension activities.

Faculty members and students of the Department of CSA always actively participate in all extension activities. Some of them are,

Amala Bharatham Campaign [ABC] - It is a campaign aimed at cleaning India's public places and national highways. This cleanliness drive is to raise social awareness of humanity's debt to our beautiful earth and nature. Faculty members as well as students participated in all ABC events organized by the campus.

Amrita Sanjeevani : Amrita Sanjeevani, "Bringing to Life", the seva organization at Amrita's Amritapuri campus run by its members completely on a volunteer basis. Seva is an important part of the Amrita experience, where the focus is on "education for life" in addition to "education for a living." We aim to develop in students a realistic knowledge and understanding of the society in which they are living, their obligations to it and Mother Nature as a whole and thereby induce in them the attitude of selfless service.

Amritavarsham Sevas : As a humble offering of gratitude towards our most beloved Amma's tireless efforts for humanity, we actively participate in all seva activities during Amritavarsham. Conducted various SaH (Serve and Hour) activity for 60 selected schools as part of Amma's birthday- Amritavarsham 60.

Similar program is conducted by CIR (Student Social Responsibility Project or the SSR Project) every year where all semester 5 students made such awareness campaigns within the campus and outside at other schools.

Cycle rally – held twice in the last 2 years – in an effort to make people aware of energy conservation. Several hundred students, faculty and others participated in this each time.

48. Give details of “beyond syllabus scholarly activities” of the department.
- a. **Training on programming, data structures, algorithms, and object-oriented programming as a preparation for ACM ICPC**
 - b. **Technical hours are conducted for student preparing for placements.**
 - c. **InfoSys CampusConnect Programme.**
- In addition to CIR department, each department conducts special classes for the students to prepare them for technical interviews. Mock interviews are also conducted by the department for its students. This helps the students prepare themselves for the interview.
 - Special Gate Coaching Classes.
 - The department encourage students and staff to participate in various national and international conferences to present their work.
 - Department also conduct workshops and short term training programmes regularly
 - Students are regularly taken for industrial visits
 - Mini projects and simulation exercises are given as assignments
 - Students are encouraged to take seminars on research papers related to the subject
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- **Department faculty is taking various courses for inter-disciplinary subjects.**
 - **Actively involved in designing the curriculum and syllabi based on the industry feedback.**
 - The Department has taken initiative to start new Masters level programmes in Computer Science and related topics. The Department took a leading role in designing the curriculum in respects of M.Tech. programmes in Wireless Networks and Applications, Computer Science & Engineering, Cyber Security and Network Systems and E-Learning Technologies. The Department offers core computer science papers for all these courses. Of these, the M.Tech. in Wireless Networks and Applications (WNA) is now offered by a specialized Center in Wireless Networks. In imparting core computer science courses for Cyber Security and E-learning Technologies, the faculty takes an active role.
 - All the publications by faculty, funded projects undertaken by faculty, and student projects, provide a testimony to the contributions of the

department in generating new knowledge, basic or applied.

- o National Conference organized by the department helped in consolidating and reporting the research going on the area of power & Energy
- o Through Research projects
- o publishing research papers

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

52. Future plans of the school.

1. Start a PG Program in Signal Processing.
2. Increase number of PhD students, and facilitate sponsorship from industry and/or research grants
3. Establish consultancy projects with industries
4. To develop as a centre of excellence in power and energy engineering and to establish research, training and consultancy centres in the department
5. To start new post graduate programmes. Proposal for M.Tech. in Control and Instrumentation has already been submitted and awaiting clearances.
6. To strengthen the existing labs and to develop new labs
7. To strengthen industry institute interaction and also to sign MOU with leading industry/ research organizations.
8. To develop as a centre of excellence in Thermal & Fluid engineering and to establish research, training and consultancy centres in the department
9. To start new post graduate programmes. Proposal for M.Tech. in Manufacturing Engineering are under consideration.
10. To strengthen the existing labs and to develop new labs
11. To strengthen industry institute interaction and also to sign MOU with leading industry/ research organizations.

Amrita School of Engineering – Bangalore

Evaluative Report of the School

1. Name of the School : **Amrita School of Engineering, Bengaluru**
2. Year of establishment : **2002**
3. Is the School part of a University? If so, specify.
Yes – Amrita Vishwa Vidyapeetham
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

Sl. No.	Programme Name	Programme Duration	Student Intake	Start Date
1	<u>Department of Electronics & Communication Engg.</u> - B.Tech. in ECE - B.Tech. in EIE - M. Tech. in VLSI Design - Ph.D.	4 4 2 3-5	180 60 25	2002 2005 2007
2	<u>Department of Electrical & Electronics Engineering</u> - B.Tech. in EEE - M.Tech. in Power Electronics - Ph.D.	4 2 3-5	65 20	2004 2010
3	<u>Department of Computer Science & Engineering</u> - B.Tech. in CSE - M.Tech. in Embedded Systems - M.Tech. in Computer Science & Engineering - Ph.D.	4 2 2 3-5	130 25 25	2002 2009 2013
4	<u>Department of Mechanical Engineering</u> - B.Tech. in ME - M.Tech. in Thermal Science & Energy Systems - Ph.D.	4 2 3-5	120 25	2007 2013
5	<u>Department of Mathematics</u> - Ph.D.	3-5		
6	<u>Department of Physics</u> - Ph.D.	3-5		
7	<u>Department of Chemistry</u> - Ph.D.	3-5		

5. Interdisciplinary programmes and departments involved

Sl. No.	Programme Name	Departments Involved	Programme Duration	Student Intake	Start Date
NIL					

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Sl. No.	Programme Name	Name of outside institution	Programme Duration	Student Intake	Start Date
1	B.Tech. (Business Intelligence Elective)	Infosys + faculty from the Department of Computer Science & Engineering (co-teaching)	Semester long		

7. Details of programmes discontinued, if any, with reasons

Sl. No.	Programme Name	Year of discontinuation	Reason(s) for discontinuation
1	B.Tech. - Information Technology	2009	It was University's decision to close / discontinue the programme in all campuses

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester & Choice Based Credit System

9. Participation of the department in the courses offered by other departments

- **Faculty is being shared by other departments for taking courses. For eg., courses like Pattern Recognition, Data Structures, IT Essentials, Soft Computing offered by Departments of ECE & EEE are being handed by faculty from the Department of CSE and Mechanical Engineering courses like Introduction to Thermodynamics, Operations Research, Financial Management, Enterprise Management, Environmental Science & Engineering, Fluid Mechanics & Machinery, Engineering Mechanics, Engineering Drawing, Computer Aided Drawing, Mechanical Workshop, Mechanical Engineering etc., being handled by Department of Mechanical Engineering for other branches.**
- **Faculty registered for Ph.D. programmes offered by other departments.**
- **Faculty participation in FDPs conducted by other departments.**
- **Sciences & Humanities departments act as supporting departments to Engineering departments. All Sciences & Humanities courses, both compulsory and elective which are part of the B.Tech. and M.Tech. programmes are handled by these departments.**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Actual
Professor	Refer Annexure 1	
Associate Professors		
Asst. Professors		
Others		

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
Refer Annexure 2					

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Note: Please provide details of date of appointment, courses taught, research projects executed, and any other contribution from the same. If the faculty are no longer with Amrita, mention the exit date. Provide in tabular form.

Sl. No.	Name	Date of Appointment/ Visit	Purpose	Research Project
1	Dr. K.V.V. Murthy, Professor, IIT Gandhinagar		Ph.D. Guidance	
2	Dr. G K Patra, CMMACS, NAL, Bangalore	Aug 2010	Ph.D. Guidance	-
3	Dr. Zine El Abidine ALAOUI ISMAIL, National School of Computer Sciences and System Analysis, Rabat, Morocco I	April – June 2011	C.V.Raman International Fellowship for African Researchers-2010	Reconfigurable Embedded Systems
4	Prof. C.S. Shastri Professor Emeritus	June 2011	PHY-100 Physics PHY271 – Advanced Classical Dynamics	Exit Date - May, 2012

13. Percentage of classes taken by temporary faculty – programme-wise information

Nil

14. Programme-wise Student Teacher Ratio

Refer Annexure 3

15. Number of academic support staff (technical) and administrative staff: sanctioned, and actual

Designation	Sanctioned	Actual
Refer Annexure 4		

16. Research thrust areas as recognized by major funding agencies

Refer Annexure 5

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S.	Name of the	Principal	Name of the	Project Grant	Duration

No.	Ongoing Project	Investigator and Co-investigator, if any	Funding Agency	/ Assistance	of the Project*
Refer Annexure 6					

18. Inter-institutional collaborative projects and associated grants received

- j) National collaboration b) International collaboration
NIL

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Refer Annexure 7

20. Research facility / centre with - NIL

- state recognition
- national recognition
- international recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies - NIL

22. Publications: (Refer Annexure 8)

- * Number of papers published in peer reviewed journals (national / international)
- * Monographs
- * Chapters in Books
- * Edited Books
- * Books with ISBN with details of publishers
- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- * Citation Index – range / average
- * SNIP
- * SJR
- * Impact Factor – range / average
- * h-index

Refer Annexure 8A

23. Details of patents and income generated

S. No.	Title of the Patent / Invention	Name(s) of the staff	Month and Year of Patent Registration / Invention	Patent / Invention Details	Income generated
NIL					

24. Areas of consultancy and income generated - **NIL**

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad - **Nil**

26. Faculty serving in

- o) National committees b) International committees c) Editorial Boards d) any other (please specify)

Sl. No.	Name(s) of the staff	Committee
Department of ECE		
1	Dr. N.S. Murty, Professor	Core Committee Member of the VLSI Society of India, which is a registered body for VLSI
Department of EEE		
1	Dr. Rashmi M.R.	Research and Education Society - Editorial Board –Member
Department of CSE		
1	Dr. T.S.B. Sudarshan	
2	Dr. AmudhaJ.	
3	Mr. Aniruddha Bhattacharjya	
4	Ms. Tripty Singh	
Department of ME		
1	Dr. Nagaraja S.R.	Editorial Board of Canadian Center of Science & Education ; ISSN 1927-0607 (Print) ; ISSN 1927-0615 (Online)
Department of Mathematics		
1	Dr. K.V. Nagaraja	Editor of an International Journal – ‘Advances in Mathematics Sciences’ ; ISSN 0973-6484

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions**

S. No.	School Name	Department Name	Programme Name	Dates: (DD/MM/YY to DD/MM/YY)	# Attendees**	Location / Venue
Refer Annexure 9						

**Attach separate list of faculty names, designations, and department/school names.

Participation of Amrita Faculty in Faculty Development Programmes conducted **by Other Institutions**

S. No.	Name of Institution organizing the	Location	Programme Name / Brief Description	Dates: (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants***

	programme				
Refer Annexure 10					

***Attach separate list of faculty names, designations, and department/school names.

28. Student projects - Refer Annexure 11

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities / industry / institute

Note: Department must maintain records of the projects.

29. Awards / recognitions received at the national and international level by

- Faculty
 - **Dr. Shikha Tripathi, Professor & Chair, Department of ECE - Biographical profile has been included in Marquis “Who’s Who in the World”, since 2010.**
 - **Dr. T.S.B. Sudarshan awarded as ‘Fellow of the Institute’ in Applied Innovative Institute, US in March, 2013.**
- Doctoral / post doctoral fellows
- Students
 - **Department of EEE**
 - **The two teams from Department of EEE, Amrita School of Engineering, Bengaluru, won Bright Idea award and cash prize of Rs. 3000 each at Amrita TBI-TIDE innovation contest, 2011. The team represented by Mr. Garje Somesh Rajesh, Mr. Gautam Nair and Mr. Akshay Anand, students of the III semester, won the award for their idea of “Illuminating a room using fibre optic cables”, and Mr. Himanshu Sharma and Ms. Shreya Parmar of IV semester and Mr. Vinay Mohan of III semester won the award for their innovation of the idea of “Temperature Controlled Fan”**

○ Department of CSE

S. No	Name Of Student	Program, Department , & School	Description of Achievement / Award	Date of Award	Location	Level of Award
1	Tejaswini J.T.	B.Tech. - CSE, ASE, Bangalore	Second Rank (B.Tech.. – CSE) ,Silver Medal	August 2008	AVV, Ettimadai	Inter-campus
2	Arun B.	B.Tech. - CSE, ASE, Bangalore	Fourth Rank	August 2008	AVV, Ettimadai	Inter-campus
3	Preeti Shashikant	B.Tech. - CSE, ASE,	Eighth Rank	August 2008	AVV, Ettimadai	Inter-campus

S. No	Name Of Student	Program, Department , & School	Description of Achievement / Award	Date of Award	Location	Level of Award
	Dhople	Bangalore				
4	Chetana M. Prabhu	B.Tech. - CSE, ASE, Bangalore	Ninth Rank	August 2008	AVV, Ettimadai	Intercampu s
5	Siddharth Gupta	B.Tech. - IT ASE, Bangalore	First Rank (B.Tech.. – CSE) , Gold Medal	August 2008	AVV, Ettimadai	Intercampu s
6	Akhila P.	B.Tech. - IT ASE, Bangalore	Third Rank	August 2008	AVV, Ettimadai	Intercampu s
7	Nagareetha Baskaran	B.Tech. - IT ASE, Bangalore	Seventh Rank	August 2008	AVV, Ettimadai	Intercampu s
8	J.D. Rohit, Ajay R.	B.Tech. - CSE, ASE, Bangalore	Selected for Project Work for 6 months under EURECA programme	Dec 2008 - May 2009	Sweden	Internation al
9	Ashok Sundar	B.Tech. - IT, ASE, Bangalore	Selected for Project Work for 6 months under EURECA programme	Dec 2008 - May 2009	Ireland	Internation al
10	I. Pravin Kumar	B.Tech. - CSE, ASE, Bangalore	Selected for Internship for 4 months at Microsoft - IT India	Jan 2009 - May 2009	Hyderabad	Intercampu s
11	J.D. Rohit	B.Tech. - CSE, ASE, Bangalore	First Rank (B.Tech.. – CSE)	August 2009	AVV, Ettimadai	Intercampu s
12	Deepthi Gopalakrish nan	B.Tech. - CSE ASE, Bangalore	Second Rank (B.Tech.. – CSE)	August 2009	AVV, Ettimadai	Intercampu s
13	Sharanya V.	B.Tech. - CSE ASE, Bangalore	Third Rank (B.Tech.. – CSE)	August 2009	AVV, Ettimadai	Intercampu s
14	Jinu K.	B.Tech. -	Eighth	August	AVV,	Intercampu

S. No	Name Of Student	Program, Department , & School	Description of Achievement / Award	Date of Award	Location	Level of Award
	Abraham	CSE ASE, Bangalore	Rank (B.Tech.. – CSE)	2009	Ettimadai	s
15.	Saranya C.	B.Tech. - IT, ASE, Bangalore	First Rank (B.Tech.. – IT)	August 2009	AVV, Ettimadai	Intercampu s
16.	Pranambigai P.	B.Tech. - IT ASE, Bangalore	Second Rank (B.Tech.. – IT)	August 2009	AVV, Ettimadai	Intercampu s
17	Gopalakrishnan A.R.	B.Tech. - IT ASE, Bangalore	Sixth Rank (B.Tech.. – IT)	August 2009	AVV, Ettimadai	Intercampu s
18	Sreejith R.	B.Tech. - CSE, ASE, Bangalore	Fifth Rank	August 2010	ASE, Ettimadai	Intercampu s
19	Sayana Varughese	B.Tech. - CSE, ASE, Bangalore	Sixth Rank	August 2010	ASE, Ettimadai	Intercampu s
20	Yogeshwara K.	B.Tech. - CSE, ASE, Bangalore	Seventh Rank	August 2010	ASE, Ettimadai	Intercampu s
21	Krithika S.	B.Tech. - CSE, ASE, Bangalore	Ninth Rank	August 2010	ASE, Ettimadai	Intercampu s
22	Jamini S.	B.Tech. - IT ASE, Bangalore	Gold Medal	August 2010	ASE, Ettimadai	Intercampu s
23.	J. Maria Praveen Kumar	B.Tech. - IT, ASE, Bangalore	Silver Medal	August 2010	ASE, Ettimadai	Intercampu s
24	Jayaprakash	B.Tech. - IT, ASE, Bangalore	Third Rank	August 2010	ASE, Ettimadai	Intercampu s
25	Upasana S. Haveri	B.Tech. - IT ASE, Bangalore	Fourth Rank	August 2010	ASE, Ettimadai	Intercampu s
26	Vinod L. & Sreedharan Krishnan	B.Tech. - CSE, ASE, Bangalore	Patent Registratio n for the work on the topic “Multi Secured Dropping of Spoofed	August 2010	Patent and Trademarks Office	

S. No	Name Of Student	Program, Department , & School	Description of Achievement / Award	Date of Award	Location	Level of Award
			Packets at the Gateway for Unauthorized Networks”			
27	Ramya Rajaraman	B.Tech. - IT ASE, Bangalore	“Best outgoing Girl Student Award”, by ACM Conference for Women in Computing 2010	September 2010	ASE, Ettimadai	Intercampus
28	Supraja S.	B.Tech. - CSE, ASE, Bangalore	“Best outgoing Girl Student Award”, by ACM Conference for Women in Computing 2010	September 2010	ASE, Ettimadai	Intercampus
29	Abinaya C., Majuvani G.B. Ramya C.R., Ranjani N.	B.Tech. - IT ASE, Bangalore	Developed a software named “Smart Office Application” for Rail Vikas Nigam Limited (RVNL), Govt. of India	September 2010	-	-
30	Sudeep Kumar	B.Tech. - IT, ASE, Bangalore	Recruited by Microsoft Corporation	December 2010	ASE, Ettimadai	Intercampus
31	Rohan	B.Tech. -	Offered an	December	ASE,	Intercampus

S. No	Name Of Student	Program, Department , & School	Description of Achievement / Award	Date of Award	Location	Level of Award
	Prabhu & Aditya	CSE, ASE, Bangalore	Internship in Microsoft India, during Summer 2011	er 2010	Ettimadai	s
32	Rashmesh R.K. & Indrakanth B. Shankar	B.Tech. - CSE, ASE, Bangalore	Recruited by SAP Labs, India	January 2011	ASE, Ettimadai	Inter-campus
33	Aditya Sriram	B.Tech. - CSE, ASE, Bangalore	Represented Amrita University in the “University Mobile Challenge”	February 2011	Mobile World Congress, Barcelona	International
34	Kiran G.	M.Tech. - ES, ASE, Bengaluru	Gold Medal	August 2011	ASE, Ettimadai	Inter-campus
35	Sunanda M. Nair	M.Tech. - ES, ASE, Bengaluru	Silver Medal	August 2011	ASE, Ettimadai	Inter-campus
36	Nippun Kumaar A.A.	M.Tech. - ES, ASE, Bengaluru	Third Rank	August 2011	ASE, Ettimadai	Inter-campus
37	Rashmesh R.K.	B.Tech. - CSE, ASE, Bengaluru	Gold Medal	August 2011	ASE, Ettimadai	Inter-campus
38	S. Supraja	B.Tech. - CSE ASE, Bengaluru	Fifth Rank	August 2011	ASE, Ettimadai	Inter-campus
39	Indrakanti B. Shankar	B.Tech. - CSE ASE, Bengaluru	Sixth Rank	August 2011	ASE, Ettimadai	Inter-campus
40	Ramya Rajaraman	B.Tech. - IT ASE, Bangalore	Gold Medal	August 2011	ASE. Ettimadai	Inter-campus
41	Shivali Uppal	B.Tech. - IT ASE, Bangalore	Silver Medal	August 2011	ASE. Ettimadai	Inter-campus
42	Sudeep Kumar	B.Tech. - IT ASE, Bangalore	Third Rank	August 2011	ASE. Ettimadai	Inter-campus
43	Riyana	B.Tech. - IT	Sixth Rank	August	ASE.	Inter-campus

S. No	Name Of Student	Program, Department , & School	Description of Achievement / Award	Date of Award	Location	Level of Award
	Andrews	ASE, Bangalore		2011	Ettimadai	s
44	Akshatha M.K.	B.Tech. - IT ASE, Bangalore	Ninth Rank	August 2011	ASE. Ettimadai	Intercampu s
45	Aaditya Sriram Rohan Prabhu Nikhil Nandagopal	B.Tech. - CSE, ASE, Bengaluru -	Participatio n and Project Presentatio n in 'Berkeley Mobile International Collaborati ve (BMIC – 2012)'	Feb/ March 2012	Barcelona, Spain	Internation al
46	Aaditya Sriram Ajay N Anusuya Chandramou li Arjun R.	B.Tech. - CSE, ASE, Bengaluru -	Presented a project titled “ Epidemicat or” in GSMA Mobile Health University Challenge at the Mobile Health Summit conducted by Berkeley Mobile International Collaborati ve (BMIC 2012)	28/05/12 to 29/05/12	Cape Town, South Africa	Internation al
47	ParulMathur	M.Tech. (ES), ASE, Bengaluru	Gold Medal	Jul 2012	ASE. Ettimadai	Intercampu s

S. No	Name Of Student	Program, Department , & School	Description of Achievement / Award	Date of Award	Location	Level of Award
48	B. Vasudev	B.Tech.(CSE), ASE, Bengaluru	Eighth Rank	Jul 2012	ASE. Ettimadai	Intercampu s
49	Aswathi K.M.	B.Tech.(CSE), ASE, Bengaluru	Ninth Rank	Jul 2012	ASE. Ettimadai	Intercampu s
50	Yisanaka Priyanka	B.Tech.(IT), ASE, Bengaluru	Silver Medal	Jul 2012	ASE. Ettimadai	Intercampu s
51	Abhash Jain	B.Tech.(IT), ASE, Bengaluru	Seventh Rank	Jul 2012	ASE. Ettimadai	Intercampu s
52	Gowtham Nair	B.Tech. - CSE, ASE, Bengaluru	Won the “Best Actor” Award in “Autumn Muse Fest”	25/08/12	St. John’s Medical College	Regional
53	Bhargav Krishna, Amritha D, Anish Gupta	B.Tech. - CSE, ASE, Bengaluru	Selected in finals of Berkely Mobile University Challenge 2013 and positioned 5 th in the finals.	28/02/13 to 05/03/13	Barcelona, Spain	Internation al
54	Sparsha C.S.	B.Tech. - CSE ASE, Bangalore	“Best out going Girl Student Award”, by ACM Conference for Women in Computing 2013	9/01/13	ASE, Ettimadai	Intercampu s

Note: Provide in list format. Supporting documentation must be maintained in department.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. –

Refer Annexure 12

31. Code of ethics for research followed by the departments

- **Plagiarism check for all the papers being submitted to Journal or Conferences**
- **No manipulation of data to prove a point**
- **No misrepresenting of information**
- **Work towards publishing papers in reputed Journals or Conferences indexed by databases like IEEE Xplore, ACM, SCOPUS, Elsevier, DBLP, etc.**

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
Refer Annexure 13					

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

For passed out students who got the NET/SLET/GATE etc results during the report period: -

S. No.	School Name	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SLET qualified	# qualified in other exams
Refer Annexure 15								

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Refer Annexure 16
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	

Student progression	Percentage against enrolled
- Campus selection - Other than campus recruitment	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same University	Refer Annexure 17
from other Universities within the State	
from Universities from other States	
from universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Sl. No.	Name of faculty	Name of Advanced Degree (include specialization)	Month & Year of Passing
Department of ECE			
1.	Dr. T.K. Ramesh,	Ph.D. (Optical Networking)	August, 2012
2	Ms. Ponni M.	M.Tech. (VLSI Design)	July, 2012
Department of EEE			
2.	Ms. Lekshmi S.	M. Tech. (Power Electronics)	July, 2012
3	Ms. Sudha Yadav	M. Tech. (VLSI Design)	July, 2012
4	Mr. K. Manickavasagam	Ph.D.	August, 2010
5	Ms. Mamatha I.	M. Tech. (VLSI Design)	July, 2010
6	Ms. Mini Sujith	M. Tech. (Power Electronics)	July, 2008
Department of CSE			
1	Dr. Amudha J.	Ph.D.	February, 2012
Department of ME			
	Dr. Rakesh .G.	Ph.D.	September, 2009
	Dr. Nagaraja S.R.	Ph.D.	February, 2011
	Dr. T. Srinivasa Rao	Ph.D.	September, 2012
	Dr. G.B. Veeresh Kumar	Ph.D.	September, 2012
Department of Mathematics			
	Dr. D. Jayashree	Ph.D.	November, 2011
	Dr. D. Bhargavi	Ph.D.	July, 2011
	Ms. T.M. Mamatha	M.Phil.	December, 2010
Department of Physics			
	Mr. B.H. Nanjunda Reddy	M.Phil.	July, 2010

38. Present details of departmental infrastructural facilities with regard to -

Refer Annexure 18

- a) Library
- b) Internet facilities for staff and students
- c) Total number of class rooms -
- d) Class rooms with ICT facility -

- e) Students' laboratories -
f) Research laboratories -

39. List of doctoral, post-doctoral students and Research Associates- a) from the host institution/university
b) from other institutions/universities

Sl. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/ University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
Refer Annexure 19						

40. Number of post graduate students getting financial assistance from the university.
NIL

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, the need for starting post graduate (M.Tech.) programmes in VLSI, Power Electronics, Embedded Systems, Computer Science & Engineering and Thermal Sciences & Energy Systems and ascertaining their market value were exercised. Availability of faculty members specialized to offer courses is ascertained before deciding upon the programme.

42. Does the department obtain feedback from

ff. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. The faculty members are free to express their views on the teaching – learning and evaluation scheme in the class/course committees. The teaching methodology and the course plans are decided by the chief mentor in consultation with all the teachers teaching that course. The evaluation scheme is decided in the class/course committees. At the end of every semester faculty are encouraged to give their feedback on the courses handled, performance of students and other related issues (Faculty Diary).

gg. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. Student representative are part of the class/course committees and participate in finalization of evaluation scheme. All students are required to evaluate the performance of teacher on various aspects of teaching – learning and evaluation like planning & presentation of lectures, communication skills, fairness in evaluation etc. The feedback obtained is shared with the faculty for further improvement.

hh. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Employer's / Industry feedback on curriculum is taken regularly with the help of CIR department. Based on the constructive ideas, corrective

actions are taken by the Board of Studies.

43. List the distinguished alumni of the department (maximum 10) - **Refer Annexure 20**

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sl. No.	Name of Expert Resource	Topic	Date	Number of participants
Refer Annexure 21				

45. List the teaching methods adopted by the faculty for different programmes.

- **Faculty members are well versed in using modern equipments like LCD and OHP projectors along with black boards whenever needed.**
- **Webinars, Seminars and multimedia classrooms are made best use of.**
- **Case Studies**
- **Through Animations**
- **Arranging Industrial Visits**
- **Organizing talks on special topics**
- **Tutorial Sheets which the students are expected to solve in tutorial classes by taking the help of faculty members. A team of three faculty members are assigned for every tutorial class.**
- **Use of programming languages and modern software like MATLAB, Mathematics etc.,**
- **Special Evening Coaching Classes for academically weak students**

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Class Committee and Course Committee meetings are conducted periodically to ensure the smooth running of all the courses. Departmental level meetings are held at beginning of each semester and objectives are met with respect to the programmes.

Learning outcomes are monitored through continuous evaluations

Regular departmental meetings and efficient student feedback system are in place for the same.

47. Highlight the participation of students and faculty in extension activities.

- **Various school level club activities and Professional bodies such as IEEE.**
- **Various Seva Activities.**
- **Blood Donation Camps.**
- **Technical Competitions.**
- **Mini Projects.**
- **Amma's Programme in Bangalore.**
- **Environmental Awareness.**

- **Flood Rehabilitation Work**
48. Give details of “beyond syllabus scholarly activities” of the department.
- **Various School Level Club activities both Curricular and Extra-curricular**
 - **Activities of Professional bodies such as IEEE**
 - **Workshops & Seminars**
 - **Faculty Development Programmers**
 - **Conferences**
 - **Student Projects (apart from final year project)**
 - **Departmental Forum activities**
 - **Paper presentations in National and International Events**
 - **Arranging talks from eminent people from within Amrita and outside Amrita**
 - **Delivering invited talks within Amrita and outside Amrita**
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
Yes, UGC (MHRD)
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- **Various workshops, conferences and club level activities by the student forums, such as ECIF, Vidyuth, Ingenium and FACE are conducted which help in generating new ideas.**
 - **By introduction of electives which covers the state of the art technology**
 - **Industrial Interactions / Lectures / Invited Talks**
 - **CCNA**
 - **Offer Elective subjects to the students which are relevant to the challenges faced by the present world.**
 - **The research scholars and guides have published number of papers in various journals of national and international repute with high impact factors.**
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
- Strengths**
- Good mix of senior faculty members both from academia and industry, who are capable of sensing the requirements and directing the change process.
 - Publications in International Journals of repute by faculty members with Good schemes to reward research work by faculty which has resulted in many publication in reputed journals.
 - Good Industry-Institute Partnership, which has culminated in introduction of industry specific programmes – eg., MS-M.Tech. (Automotive Systems) Twinning Programme.
 - Global linkage with premier academic institutions across the world, which allows new innovative programmes to be launched.
 - Student & Faculty Exchange Programmes with may foreign Universities of

repute.

Weaknesses

- Location disadvantage resulting in long commute time
- Lack of on-campus faculty accommodation facilities
- Lack of sufficient number of mid level (Associate Professors) faculty members

Opportunities

- The University is 'Research' oriented. Therefore, there is sufficient opportunity to explore different areas of Research with the support of the Management.
- Development of Research Laboratories in line with the research interests in each department.
- Strategic location in Bengaluru, the IT capital of India, enables us close proximity to employers and emerging industries.
- Information flow and cosmopolitan atmosphere, which result in the transformation of students into global citizens in the shorted period of time.
- Transforming ordinary students into extra ordinary students at the end of their stay in Amrita.

Challenges

- Attracting bright students because of intense competition from other Universities.
- Institution to carve out Engineers par excellence, to make them capable of creating a niche for themselves amongst the galore of Engineers graduating each year.
- Motivating students to join core engineering companies.
- Attracting well qualified faculty to join the Institute showcasing the excellent working environment and pay benefits.

52. Future plans of the department.

Identified Research areas and plans are enclosed in the department-wise Five year budget plans - Refer Annexure 23

Annexure 1

Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Actual
<u>Professor</u>		
ECE & EIE		5
EEE		1
CSE		2
ME		2
Civill		1
Mathematics		1
Physics		-
Chemistry		-
English		-
Cultural Education		-
<u>Associate Professors</u>		
ECE & EIE		1
EEE		1
CSE		2
ME		2
Civil		-
Mathematics		1
Physics		-
Chemistry		-
English		-
Cultural Education		-
<u>Assistant Professors</u>		
ECE & EIE		32
EEE		16
CSE		21
ME		16
Civil		3
Mathematics		4
Physics		5
Chemistry		7
English		4
Cultural Education		1
<u>Others</u>		
ECE & EIE		1
EEE		2
CSE		9
ME		-
Civil		-
Mathematics		-
Physics		-
Chemistry		-
English		1
Cultural Education		2

Annexure 2

Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Department of Electronics & Engineering

Sl. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience		No. of Ph.D./M.Phil. students guided for the last 4 years
					Teaching	Industry	
1	Dr. Shikha Tripathi	Ph.D., M.E., B.Tech.	Professor	Signal Processing	20 Y		1 Submitted & under review + 5 ongoing
2	Dr. Pukhraj Vaya	Ph.D., M.Sc., M.Tech..	Professor	Microelectronics & Photonics	45 Y		1 Completed +3 ongoing
3	Dr. Murthy	Ph.D., MBA, MSB, M.Sc. (Tech.)	Professor	Microelectronics & VLSI	28 Y 6M	1Y	
4	Dr. Dhanesh G. Kurup	Ph.D., M.E., B.Tech.	Professor	RF Engg., Communication & Signal Processing	15 Y		2 on going
5	Prof. S. Ravishankar	M.Tech..	Professor	Image Processing	27 Y		Nil
6	Dr. T. K. Ramesh	Ph.D., M.S.	Associate Professor	Electronics & Control Engg.,	20 Y 8 M		Nil
7	Mr. Ganapathi Hegde	M.Tech., B.E.	Asst. Professor (SG)	Digital Electronics	12 Y		Nil
8	Mr. Giriraja C.V.	M.E.	Asst. Professor (SG)	Power Electronics	17 Y 5 M		Nil
9	Mr. R. Karthikeyan	M.E.	Asst. Professor (SG)	Instrumentation & Computer Science	15 Y 9 M		Nil
10	Ms. Latha	M.Tech.	Asst. Professor (SG)	Digital Communication	15 Y		Nil

11	Mr. Hemanth Kumar G.	M.E.	Asst. Professor (Sr. Gr.)	Power Electronics	10 Y 1 M		Nil
12	Ms. M. Vinodhini	M.Tech.(VLSI Design)	Asst. Professor (Sr. Gr.)	Wireless Networks & VLSI	10 Y 1 M		Nil
13	Ms. Kirti S. Pande	M.Tech.(VLSI Design)	Asst. Professor (Sr. Gr.)	VLSI Design	8 Y 6 M		Nil
14	Ms. R.V. Sanjika Devi	M.E. Comm System	Asst. Professor (Sr. Gr.)	Communication System	6 Y 7 M		Nil
15	Mr. C. Babu	M.E.	Asst. Professor (Sr. Gr.)	VLSI Design	8 Y		Nil
16	Ms. Lalitha S.	M.Tech.	Asst. Professor (Sr. Gr.)	Digital Communication	9 Y		Nil
17	Ms. R. Jeyanthi	M.E.	Asst. Professor (Sr. Gr.)	Mechatronics	9 Y		Nil
18	Mr. P. Sathish Kumar	M.E.	Asst. Professor (Sr. Gr.)	(VLSI Design)	7 Y		Nil
19	Ms. S. Sumathi	M.E.	Asst. Professor (Sr. Gr.)	Communication System	12 Y 8 M		Nil
20	Ms. Ponni M.	M.Tech.	Asst. Professor (Sr. Gr.)	Solidstate Dence Modeling	8 Y		Nil
21	Ms. Kavitha N. Pillai	M.Tech.(Comm)	Asst. Professor				
22	Ms. Susmitha Vekkot	M.S.(Digital Comm & N/W)	Asst. Professor				
23	Mr..Swaminadhan Rajula	M.Tech.	Asst. Professor	(VLSI Design)	1 Y 11 M		Nil
24	Ms. Neeta Mishra	M.Tech.	Asst. Professor	Communication SystemEngg	6 Y		Nil
25	Ms. Sonali Agrawal	M.Tech. (VLSI Design & Embedded System)	Asst. Professor				
26	Ms. K. Jeeva Priya	M.Tech.	Asst. Professor (Sr. Gr.)	Signal Processing	10 Y 3 M		Nil

27	Ms. Vibha Mehrotra	M.Tech.	Asst. Professor (Sr. Gr.)	Communication Engineering	8 Y		Nil
28	Mr. N.V.S Murthy	M.Tech. (VLSI Design)	Asst. Professor	VLSI & Embedded	8 Y		Nil
29	Ms. Sunitha R.	M.Tech.	Asst. Professor	Biomedical Signal processing	10 Y 6 M		Nil
30	Ms. Jayashree M. Oli	M.Tech.	Asst. Professor	Wireless Networks & Embedded System	9 Y 9 M		Nil
31	Ms. M. S. Sankari	M.Tech.	Asst. Professor (Sr. Gr.)	VLSI Design	9 Y 1 M		Nil
32	Ms. Bhavana V.	B.Tech.	Lecturer				
33	Mr. Alok Kumar Jha	M.Tech.	Asst. Professor (Sr. Gr.)	Optoelectronics & Laser Technology	4 Y		Nil
34	Ms. Parul Mathur	M.Tech.	Asst. Professor	Embedded System	7 Y		Nil
35	Ms. Nidhi Gangrade	M.Tech.	Asst. Professor	Electronics	7 Y		Nil
36	Mr. Vignesh V.	M.Tech.	Asst. Professor	VLSI Design	1 Y 3 M		Nil
37	Ms. Anjali B.S.	M.Tech.	Asst. Professor	Instrumentation & Power converter	0 Y 9 M		Nil
38	Mr. Sagar B.	M.Tech.	Asst. Professor	Digital Electronics & Communication	1 Y 8 M		Nil
39	Ms. Kavitha Baliger	M.Tech.	Asst. Professor	VLSI Design & Embedded Systems	4 Y		Nil

Department of Electrical & Electronics Engineering

Sl. N	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./

o.					Teachi ng	Industr y	M.Phil · student s guided for the last 4 years
1	Dr. H.V. Manjunat h	Ph.D.	Professor	Power electronics and drives	27 Y 6 M		
2	Dr. M.R. Rash mi	Ph.D.	Associat e Professor	Electric Drives, Multilevel and Modular Converters, Intelligent Control Techniques	10 Y 10 M		4 (guidin g)
3	Ms. Mini Sujith	Pursuing Ph.D.	Asst. Professor (SG)	Power electronics and drives	17 Y		NA
4	Ms. Sreeja Kochuvila	Pursuing Ph.D.	Asst. Professor (Sr. Gr.)	Instrumentation & Control Systems	9 Y 7 M		NA
5	Ms. M. Nithya	M.E.	Asst. Professor (Sr. Gr.)	Embeded Systems Technologies	9 Y 7 M		NA
6	Ms. V.S.Kirthi ka Devi	M.E.	Asst. Professor (Sr. Gr.)	Applied Electronics	9 Y 10 M		NA
7	Ms. K. Deepa	Pursuing Ph.D.	Asst. Professor (Sr. Gr.)	Power electronics and drives	14 Y 4 M		NA
8	Ms. I. Mamatha	Pursuing Ph.D.	Asst. Professor (Sr. Gr.)	VLSI Design	13 Y 7 M		NA
9	Ms. Anjana Jain	M.E.	Asst. Professor (Sr. Gr.)	Control systems	8 Y 5 M		NA
10	Mr. K. Ilango	Pursuing Ph.D.	Asst. Professor (Sr. Gr.)	Power systems	7 Y 6 M		NA
11	Ms. Sreekala Manmada n	M.S. (Software Systems	Asst. Professor (Sr. Gr.)	(Bio medical Engineering)Soft ware Systems	9 Y 5 M		NA
12	Ms. V. Sailaja	M.Tech.	Asst. Professor (Sr. Gr.)	Power Electronics and Industrial Drives	6 Y 10 M		NA

13	Ms. Lekshmi S.	M.Tech.	Asst. Professor (Sr. Gr.)	Power Electronics	6 Y 2 M / 8 Y (Total)		NA
14	Sudha Yadav	M.Tech.	Asst. Professor (Sr. Gr.)	VLSI Design	10 Y 2 M / 6 Y 9 M		NA
15	Ms. Lakshmi P.	M.Tech.	Asst. Professor	Power Electronics	4 Y 7 M / 1 Y 11 M		NA
16	Ms. S. Syama	M.Tech.	Asst. Professor	Power Electronics	1 Y 8 M		NA
17	Ms. D. Mahalakshmi	M.Tech.	Asst. Professor	Power Electronics	6 Y 10 M		NA
18	Ms. P. Manitha	M.Tech.	Asst. Professor	Power Electronics	10 M		NA
19	Mr. H.R. Girish	B.E.	Sr. Lecturer		19 Y 6 M		NA
20	Ms. K. Sireesha	Pursuing M.Tech.	Lecturer	VLSI Design	9 Y 3 M		NA

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

S. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience		No. of Ph.D Ph.D./ M.Phil students guided for the last 4 years
					Teaching	Industry	
1	Dr. T.S.B. Sudarshan	Ph.D., M.E., B.E.	Professor & Chairman	Computer Architecture & Networking Technologies	20 Y		1(Guided) + 8 (Guiding)
2	Prof. Rajkumar P. Sreedharan	B.Sc. (Engineering) DIISc.	Professor		13 Y	30 Y	
3	Dr. Sangeeta K. Iyer	Ph.D.	Associate Professor	Mathematics	7 Y 5 M	6	3 (Guiding)
4	Dr. Amudha J.	Ph.D.	Associate	CSE	12 Y	8 M	2

			Professor				(Guiding)
5	Ms. Suja P.	M.Tech. (Pursuing Ph.D.)	Asst. Professor (SG) & Academic Coordinator	CVIP	11 Y 6 M	1 Y	
6	Ms. Supriya M.	M.Tech.(CSE), Pursuing Ph.D.	Asst. Professor (SG)	CSE	12 Y		
7	Ms. Radha D.	M.Tech.(CSE)	Asst. Professor (SG)		12 Y 3 M		
8	Ms. B. Uma Maheswari	M.E.(CSE), Pursuing Ph.D.	Asst. Professor (SG)	CSE	18 Y 3 M		
9	Mr. G. Radhakrishnan	M.E., Pursuing Ph.D.	Asst. Professor (SG) & Vice Chair	CSE	3 Y	22 Y	
1	Ms. Sangita Khare	M.Tech., M.Sc. (Electronics)	Asst. Professor (Sr. Gr.)	CSE	8 Y 3 M	6 M	
1	Ms. Juhi R. Srivastava	M.Tech., B.E. (Pursuing Ph.D.)	Asst. Professor (Sr. Gr.)	Scientific Computing	8 Y 3 M		
1	Ms. Meena Belwal	M.Tech.	Asst. Professor (Sr. Gr.)	CSE	5 Y 6 M		
1	Ms. Kavitha C.R.	M.Tech.,B.E.	Asst. Professor (Sr. Gr.)	CSE	15 Y		
1 4	Mr. Rajesh M.	M.Tech.,B.Tech (Pursuing Ph.D.)	Asst. Professor (Sr. Gr.)	CSE	8 Y		
1	Ms. T. Sasikala	M.E.,B.E.	Assistant Professor	CSE	8 Y 4 M		
1 6	Ms. Vineetha Jain K.V.	M.Tech. (ES), B.E	Asst. Professor (Sr. Gr.)	Embedded Systems	7 Y 7 M	1 Y	

1	Ms. Lakshmi P.	M.Tech.(ES), B.Tech.	Asst. Professor (Sr. Gr.)	Embedded Systems	4 Y 1 M		
1	Ms. Sreebha Bhaskaran	M.Tech.(ES), B.Tech.(IT)	Asst. Professor (Sr. Gr.)	Embedded Systems	5 Y 5 M	6 M	
1	Ms. Shinu M. R.	M.E.,B.Tech.	Asst. Professor	CSE	5 Y 10 M		
2	Ms.Akanchha Mishra	M.Tech.(CSE), B.E.(IT)	Asst. Professor	CSE			
2	Ms. Upadhyay Bhargavi R.	M.Tech.(ES),B. E.	Asst. Professor	Embedded Systems	4 Y 6 M		
2	Ms. Tripty Singh	M.Tech.,B.E. (pursuing Ph.D.)	Asst. Professor (Sr. Gr.)	Expert Designing & Networking	11 Y 6 M		
2	Mr. Aniruddha Bhattacharjya	M.Tech.(IT), B.Tech.(CSE) (Defended Ph.D.)	Asst. Professor (Sr. Gr.)	RFID based Sensor Networks	7 Y 4 M		
2	Mr. Nippun Kumaar A.A.	M.Tech.(ES),B. E.	Asst. Professor	Embedded Systems	2 Y		
2	Mr. Saravanan S.	M.Tech., B.E.	Asst. Professor	CSE	7 Y 4 M		
2	Ms.Santhanala kshmi	B.E. (Pursuing Ph.D.)	Sr. Lecturer	CSE	12 Y 3 M		
2	Mr. Ullas S.	B.Sc., MCA, M.Tech.(Pursuing)	Sr. Lecturer	Networking	9 Y 6 M		
2	Ms. Jyotsna C.	B.E., (Pursuing M.Tech.)	Lecturer	Embedded Systems	7 Y 9 M		
2	Ms. Sreevidya B.	B.E.(Pursuing M.Tech.)	Lecturer	Database & SE	6 Y 9 M		
3	Ms. NaliniSampath	B.E.(Pursuing M.Tech.)	Lecturer	CSE	7 Y 6 M		
3	Ms. Manju Venugopal	MCA	Lecturer	Computer Applications	5 Y	6 M	
3	Ms.	B.E.	Lecturer	CSE	5 Y 6		

	Priyanka Vivek				M		
3	Ms. Chandrika K.R.	M.Sc., M.Phil.	Lecturer	CSE	6 Y 7 M		
3	Ms. Lakshmi M.P. Setty	B.E.	Faculty Associate	CS	0 Y 3 M		

DEPARTMENT OF MECHANICAL ENGINEERING

S L. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience		No. of Ph.D./M. Phil. students guided for the last 4 years
					Teaching	Industry	
1	Dr. Rakesh S.G.	Ph.D.		Shock Waves	23 Y		NIL

		Ph.D.	Professor & Chairman	Shock Waves	25 Y		NIL
		Ph.D.	Associate Professor	Heat Transfer Engineeri ng	11 Y		NIL
		Ph.D.	Associate Professor	Supply Chain Managem ent	21 Y		NIL

		M.E. (Ph.D.)	Asst. Professor (SG)	Composit es	22 Y		NIL
		Ph.D.	Asst. Professor (SG)	Tribology	09 Y		NIL
		M.Tech.	Asst. Professor (Sr. Gr.)	Heat Power Engineeri ng	16 Y		NIL

		M.E. (Ph.D.)	Asst.Professor (Sr.Gr.)	Composites & Sensors	10 Y		NIL
		M.Tech.	Asst. Professor (Sr. Gr.)	Computer Integrated Manufacturing	08 Y		NIL

		M.Tech. (Ph.D.)	Asst.Professor (Sr.Gr.)	Fracture & Machining of Composites	04 Y		NIL
		M.Tech. (Ph.D.)	Asst. Professor (Sr. Gr.)	Product Lifecycle Management	06 Y		NIL
		M.Tech. (Ph.D.)	Asst. Professor (Sr. Gr.)	Concurrent Engineering	05 Y		NIL

		M.Tech.	Asst. Professor (Sr. Gr.)	Thermal Engineeri ng	05 Y		NIL
		M.Tech.	Asst. Professor (Sr. Gr.)	Tool Engineeri ng	08 Y		NIL
		M.Tech. (Ph.D.)	Asst. Professor	Thermal Engineeri ng	02 Y		NIL

		M.Tech. (Ph.D.)	Asst. Professor	Composites & Fracture Mechanics	03 Y		NIL
		M.Tech. (Ph.D.)	Asst. Professor	Surface Engineering	03 Y		NIL
		M.Tech. (Ph.D.)	Asst. Professor	Powder Metallurgy	04 Y		NIL

				y & Rapid Prototypin g			
		M.Tech. (Ph.D.)	Asst. Professor	Tribology	07 Y		NIL
		M.Tech.	Asst. Professor	Integrated Design and Manufact uring	06 Y		NIL

		M.Tech. (Ph.D.)	Asst. Professor (Sr. Gr.)	Geo- Environm ental	12 Y		NIL
		M.Tech. (Ph.D.)	Asst. Professor (Sr. Gr.)	Structural Dynamics	09 Y		NIL
		M.Tech. (Ph.D.)	Asst. Professor (Sr. Gr.)	Concrete Technolog y	06 Y		

DEPARTMENT OF MATHEMATICS

Sl . N o.	Name	Qualificati on	Designat ion	Specializati on	No. of Years of Experience		No. of Ph.D./M.P hil. students guided for the last 4 years
					Teachi ng	Indust r y	
1	Dr. B.Venkatesh	Ph.D.	Associat e Professo r	Numerical Analysis	14 .5		1
2	Dr.K.V.Nag araja	Ph.D.	Professo r	Numerical Analysis	15.5		2
3	Mr. Murali K.	M.Sc., M.Phil., (Ph.D.)	Assistant Professo r, S.G.	Finite Element Methods	15.5		Nil
4	Ms. K.N.Meera	M.Sc., M.Phil.,(Ph .D.)	Assistant Professo r, S.G.	Discrete Mathematic s and Graph Theory	16		Nil
5	Ms. Geetha K.N.	M.Sc.,(Ph. D.)	Assistant Professo r, S.G.	Graph Theory	16		Nil
6	Dr. Deepa Gupta	Ph.D.	Assistant Professo r, S.G.	Natural Language Processing	4.5		3(In CSE Departme nt)
7	Ms. Sarada Jayan	M.Sc.,(Ph. D.)	Assistant Professor , Sr.Gr.	Operations Research	11		Nil
8	Dr. Neetu Srivatsava	Ph.D.	Assistant Professo r, Sr.Gr.	Fluid Mechanics	9		Nil
9	Mr. V. Kesavulu Naidu	M.Sc.,(Ph. D.)	Assistant Professo r, Sr.Gr.	Graph Theory and Atmospheri c Sciences	10		Nil
1	Dr. Jayashree D.	Ph.D.	Assistant Professo r, Sr.Gr.	Fuzzy Matrix Theory	8		Nil
1	Ms. T.M. Mamatha	M.Sc., M.Phil., (Ph.D.)	Assistant Professo r	Numerical Analysis, Graph Theory and Magnetohy drodyna mics	6		Nil

DEPARTMENT OF PHYSICS

SL. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience		No. of Ph.D./M.Phil. students guided for the last 4 years
					Teaching	Industry	
1	Dr. G.N. Kumaraswamy	M.Sc., Ph.D.	Asst. Professor (SG)	Condensed Matter Physics	7 Y 10 M		2
	Mr. K.N. Venkatachaliah	M.Sc., M.Phil.	Asst. Professor (SG)	Nuclear Physics	20 Y		NA
	Mr. H. Manjunatha	M.Sc., M.Phil.	Asst. Professor (Sr. Gr.)	Nuclear Physics	11 Y		NA
	Ms. M. Dharani	M.Sc., M.Phil.	Asst. Professor (Sr. Gr.)	Molecular Quantum Physics	9 Y 10 M		NA
	Mr. D. Praveen	M.Sc.	Asst. Professor	Spectroscopy	4 Y 9 M		NA

DEPARTMENT OF CHEMISTRY

SL. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience		No. of Ph.D./M.Phil. students guided for the last 4 years
					Teaching	Industry	
1	Dr. B.L. Bhaskar	M. Sc., Ph.D.	Asst. Professor (SG)	Analytical Chemistry	12 Y 9 M		01 (ongoing)

	Mr. Nanjundareddy B.H.	M.Sc.,M.Phil., B.Ed.	Asst. Professor (SG)	Inorganic Chemistry	20 Y		Nil
	Dr. T.M. Mohan Kumar	M.Sc., Ph.D.	Asst. Professor (SG)	Analytical Chemistry	11 Y 9 M		Nil
	Mr. S. Giridhar Reddy	M.Sc.	Asst. Professor (Sr. Gr.)	Physical Chemistry	15 Y		Nil
	Dr. Akanksha S. Pandit	M. Sc., Ph.D.	Asst. Professor (Sr. Gr.)	Polymer Chemistry	05 Y		01 (ongoing)
	Dr. Amrita Thakur	M.Sc., Ph.D.	Asst. Professor (Sr. Gr.)	Chemistry	11 Y 1 M		Nil
	Mr. S. Anil Kumar	M.Sc.	Asst. Professor	Analytical Chemistry	10 Y 4 M		Nil

DEPARTMENT OF ENGLISH

SL. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience		No. of Ph.D./M.Phil. students guided for the last 4 years
					Teaching	Industry	
1	Ms. Deepthi Janardhan	M.A., PGDH RM	Asst. Professor (Sr. Gr.)	American Literature	8 Y		NIL

	Ms. Smita Sail	M.A.	Asst. Professor (Sr. Gr.)	Linguistics, Post Colonial Literature	8 Y		NIL
	Ms. Paromita Ganguly	M.A., PG Dip. Mass Comm.	Asst. Professor	G.B Shaw and English Comedies	7 Y		NIL
	Ms. S. Deepa Kumari	M.A., M.Phil.	Faculty Associate	English Language Teaching	1Y 10 M		NIL

Annexure 3**Programme-wise Student Teacher ratio**

Department	B.Tech.	M.Tech.	Ph.D.
Department of ECE & EIE	1:20	1:4	1:1
Department of EEE	1:10	1:2	1:1
Department of CSE	1:12	1:2	1:1
Department of ME	1:9		1:1

Annexure 4

**Number of academic support staff (technical) and administrative staff:
sanctioned, and actual**

Designation	ECE	EEE	CSE	ME	Mathematics	Physics	Chemistry	English
Office Assistant	01	01	01	01	-	-	-	-
Attender	01	01	01	01	01	01	-	-
Lab Instructor / Senior Lab Assistant	03	03	-	03	-	-	01	-
Foreman	-	-	-	01	-	-	-	-
Instructor	-	-	-	01	-	-	-	-
Skilled Assistant	-	-	-	01	-	-	-	-

Annexure 5

Research thrust areas as recognized by major funding agencies

Department	Thrust Areas
Electronics & Communication Engineering	• Communications Engineering, • Signal Processing • VLSI Design
Electrical & Electronics Engineering	• Power Quality Improvements • FACTS Controllers
Computer Science & Engineering	• Embedded Systems & Robotics, • Image Processing & Computer Vision, • Wireless Sensor Networks & Network Security
Mechanical Engineering	• Nano Composites • CFD • Numerical Heat transfer • Bio mechanical sciences
Mathematics	-
Physics	-
Chemistry	-

Annexure 6

Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Department of Electronics & Communications Engineering

Sl. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project*
1	Energy Harvesting	Dr. N.V.S. Murty & Students	Amrita TBI	Rs.25,000/-	Jan 2013-May2013

Department of Electrical & Electronics Engineering

S. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project*
1	Flow Control meter for farming sector	V.Sailaja, Ilango K.	Amrita TBI	Rs.25,000/-	Jan 2013-May2013

Annexure 7

Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

Department of Electronics & Communication Engineering

Sl. No.	Name of the students	Name of the Guide	Funding Agent	Amount Sanctioned Rs.
1	Mr. Siddhartha Kumar & others	Dr. Shikha Tripathi	Karnataka State Council for Science and Technology	7000.00
2	Mr. R. Ramith & others	Ms. R. Sanjika Devi	Karnataka State Council for Science and Technology	6000.00

Department of Electrical & Electronics Engineering

Sl. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project*
1	Development of a three-phase hybrid filtering system with digital control	Principal Investigator Dr.Manjula Nair	DST-SERC, MHRD, Govt. of India	Rs. 19.5 lakhs	3 yrs 6 moths

Department of Mechanical Engineering

Sl. No.	Name of the students	Name of the Guide	Funding Agent	Amount Sanctioned Rs.
1	Mr. M. Upendra Shenoy & others	Mr. B. N. Prashanth	Karnataka State council for Science and Technology	8000.00
2	Mr. Shiva Sembian & others	Dr. Nagaraja S.R.	Karnataka State council for Science and Technology	6000.00

DETAILS OF PUBLICATIONS

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
Department of CSE				
2012-2013	International Journal	1.	Title of the Paper: A Content-based image retrieval System for Echo Image Using SQL-based Clustering Approach Authors: Sudarshan T.S.B. Nandagopalan S. Adiga B.S. ,Dhanalakshmi C.,Manjunath C.N. Name of the Journal: The Imaging Science Journal Month and Year of Publication: October 2012 Volume No.60, No. 5 ; Page No. PP 256-271	0.575
		2.	Title of the Paper: Research and Analysis On Segmentation and Thresholding Techniques Authors: K. Priyadharshini, Tripty Singh Name of the Journal: International Journal of Engineering Research & Technology (IJERT),Malaysia Month and Year of Publication: December- 2012 Volume No.1, Issue 10 ; Page No.	-
		3.	Title of the Paper: Design of Stream Cipher for Text Encryption using Soft Computing based Techniques Authors: S. Santhanalakshmi, Sangeeta K., G.K. Patra Name of the Journal: International Journal of Computer Science and Network Security Month and Year of Publication: December- 2012 Volume No. 12 ; Page No. pp. 149-152	-

Department of ECE				
2012-2013	International Journal	1	Title of the Paper: Design of an efficient low power 8-bit flash ADC Authors: P.R.Vaya, Bindhu S., Dhanya Menon & Jyothi P. Name of the Journal : International Forum of Researchers, Students and Academician (IFRSA)- International journal of Electronics circuits and Systems Month & Year of Publication: July 2012 Volume No: 1 No.2 ; Page no: 75-76	H Index: -- SJR : -- Index: --
		2	Title of the Paper: Design and performance analysis of polysynchronous DTI FIFO Authors: Kirti S. Pande & Anju C. Name of the Journal : Global Journal of Engineering & Applied Sciences Month & Year of Publication: July 2012 Volume No: 2 ; Page no: 75-76	ISSN: 2249 - 2623 H Index: --- SJR : -- Index:--
		3	Title of the Paper: Low power GALS implementation with stretchable clocking scheme Authors: Kirti S. Pande & Anju C. Name of the Journal : International journal of computer science Issues Month & Year of Publication: July 2012 Volume No: 9 No.4 ; Page no: 75-76	ISSN: 1694-0814 H Index: -- SJR : -- Index:DOAJ

		4	Title of the Paper: Efficient FPGA implementation of sigmoid and bipolar sigmoid activation functions for multiplier perceptrons Authors: C. Babu & Manish Panicker Name of the Journal : IOSR journal of Engineering Month & Year of Publication: June 2012 Volume No: 2 No.6 ; Page no: 1352-1356	ISSN: 2278-8727 H Index: -- SJR : --- Index:EBSC O host
		5	Title of the Paper: Low power CORDIC core with High Throughput Authors: C. Babu & K. Murugesh Name of the Journal : International Journal of Computer technology and Electronics Engineering (IJCTEE) Month & Year of Publication: June 2012 Volume No: 2 .issue 3 ; Page no:	ISSN: 2249-6343 H Index: -- SJR : -- Index:---
		6	Title of the Paper: JTAG Architecture with multi level security Authors: Satish Kumar & Pooja Ajay Name of the Journal : International organization of scientific research Month & Year of Publication: June 2012 Volume No: ; Page no:	ISSN: 2278-8727 H Index: -- SJR : --- Index:EBSC O host
		7	Title of the Paper: An Efficient 3-Dimensional Discrete Wavelet Transform Architecture for Video Processing Application Authors: Ganapathi Hegde & P.R. Vaya Name of the Journal : Journal of Electronics China (Springer Publication) Month & Year of Publication: December 2012 Volume No: 29; No. 6 ; Page no: 534-540	ISSN: 02179822 H Index: 6 SJR : 0.14 Index: Scopus Impact Factor:--

		8	Title of the Paper: Systolic array based motion estimation architecture of 3-D DWT sub band component for video processing Authors: Ganapathi Hegde & P.R. Vaya Name of the Journal : International Journal of Signals & Imaging Systems Engineering (Inderscience Publication) Month & Year of Publication: December 2012 Volume No: 5 No. 3 ; Page no: 158-166	ISSN: 1748-0698 H Index: 2 SJR : 0.13 Index:Scopus Impact Factor: --
		9	Title of the Paper: A parallel 3-D discrete wavelet transform architecture Using pipelined lifting scheme approach for video coding Authors: Ganapathi Hegde & P.R. Vaya Name of the Journal : International Journal of Electronics (Taylor & Francis Publication) Month & Year of Publication: December 2012 Volume No: -- ; Page no: 1-12	ISSN: 0020-7217 H Index: 32 SJR : 0.29 Index: Scopus Impact Factor : 0.440
Department of Mechanical Engineering				
2012 - 2013	International Journal	1.	Title of the Paper: Effects of ambient heat in-leak on the performance of a three fluid heat exchanges for cryogenic applications. Authors: V. Krishna, S. Spoorthi, Dr. Pradeep Hegde, K.N. Seetharamu Name of the Journal: International Journal of Heat and Mass Transfer 62 (2013) 567–577	Impact Factor: 2.43

		2.	Title of the Paper: Development of micro-shock wave assisted dry particle and fluid jet delivery system Authors: Rakesh S.G., Diya Prakash Gnanadhas, Uday Shankar Allam, Karaba N. Nataraja, P.K. Barhai, Gopalan Jagadeesh, Dipshikha Chakravortty Name of the Journal: Appl Microbiology Biotechnology Month and Year of Publication: July, 2012 Print: DOI 10.1007/s00253-012-4196-8 Springer - Verlag 2012	Impact Factor: 3.425
		3.	Title of the Paper: An Experimental Study on Flexural Behavior of Reinforced Geopolymer Concrete Beams with Recycled Aggregate in Bending Authors: Smita Singh, Sanjay R. , M.U. Aswath Name of the Journal: International Journal of Emerging Trends in Engineering and Development, (IJETED) Month and Year of Publication: September, 2012 Print: ISSN 2249-6149, Issue 2, Vol.6, pp.186 -199	
Department of EEE				
2012-2013	International Journal	1.	Title of the Paper: Lateral I - Mos (Impact – Ionization) Transistor Authors: Sudha Yadav, P.R. Vaya Name of the Journal: IOSR Journal of Electronics and Communication Engineering (IOSRJECE) Month and Year of Publication: 6 July-Aug 2012, Volume No. 1 ; Page No. 46-48	

		2	Title of the Paper: Half bridge Converter for Battery Charging Application Authors: Sivaprasadn A., K. Deepa, K. Mathew (IISc.) Name of the Journal: International Journal of Engineering Research and Applications (IJERA) Month and Year of Publication: July-August 2012. Volume No.: 2 ; Page No.: pp. 994 to 999.	
		3	Title of the Paper: Digital Simulation of SISO-ZVS-Push pull Quasi Resonant Converter for Different Loads Authors: K. Deepa, Sharika M., Mamatha, Dr. M. Vijaya Kumar. Name of the Journal: International Journal of Engineering Research and Applications (IJERA) Month and Year of Publication: July-August 2012. Volume No.: 2 ; Page No.: pp. 896 to 901	
		4	Title of the Paper: Single Input DC-DC Converter for Hybrid Distributed Energy Generators with Maximum Utilization using DSP Controller Authors: John Marshal T.P. , K. Deepa. Name of the Journal: International Journal of Engineering Research and Applications (IJERA) Month and Year of Publication: July-August 2012. Volume No.: 2 ; Page No.: pp. 989 to 993	

		5	Title of the Paper: Power Factor Corrected Battery Charger For Electric Vehicle Authors: A. Siva Prasad (M.Tech. Student), K. Deepa and K. Mathew (IISc.) Name of the Journal: CIIT International Journal of Programmable Device Circuits and Systems Month and Year of Publication: August 2012, Volume 4, No13 ; Page No. 713-717	Impact factor -0.492.
		6	Title of the Paper: Simulation of VSC based HVDC transmission system for the integration of wind farm into grid Authors: R. Mahalakshmi & P. Usha (DSCE, Banaglore) Name of the Journal: International Journal of Electrical and Electronics Engineering. (Open Access) Month and Year of Publication: August 2012 Volume 1, Issue 4 ; Page No. 9-12	
		7	Title of the Paper: Shunt active filter with reduced harmonics for power quality improvement in distributed systems” Authors: Rashmi M.R, A. Suresh (SMK Fomra Institute of Technology, Chennai), T. Nageswara Rao(SRR Engineering College, Chennai) Name of the Journal: ulfenia Journal, Month and Year of Publication: October 2012, Volume 19 ; Page No. pp.164-176	Journal is Cited ISI indexed with Impact Factor of 0.267

		8.	Title of the Paper: A Novel Scheme for Reduction of Torque Ripple in Direct Torque Control of Three Phase Squirrel Cage Induction Motor Using Seven Level Neutral Point Clamped Inverter” Authors: S. Priya (St. Peter’s University, Chennai), M.R. Rashmi and Suresh A. (SMK Fomra Institute of Technology, Chennai) Name of the Journal: Research Journal of Applied Sciences, Engineering and Technology ISSN: 2040-7459; e-ISSN: 2040-7467, Month and Year of Publication: February 2013 Volume No. 5, Issue 5 ; pp- 1769-1773, 2013	Indexed In: <u>ISI Thomson</u> Elsevier (Scopus) EMBASE Impact Factor: 0.24
		9	Title of the Paper: A Four Port DC-DC Converter For Renewable Energy Systems Authors: Rashmi M.R, Suresh A., Kamalakkannan S. (Karpaga Vinayaga College of Engg & Tech, Chennai) Name of the Journal: Journal of Electrical Engineering Month and Year of Publication: February 2013 Volume 12/2012-Edition:4 ; Page No. pp.62-66	Index: Accepted for inclusion in SCOPUS, Impact factor- 0.92
		10	Title of the Paper: Cascading of Diode Clamped Multilevel Inverter Boosters for High Voltage Applications Authors: Rashmi M.R., Anu B. (M.Tech-PE student) Name of the Journal: Applied Mechanics and Materials Month and Year of Publication: March 2013 Vols. 313-314 (2013); Page No. pp. 876-881	Indexed In: ISI Thomson, Elsevier (Scopus) IEE, CSA, Reaxys Impact Factor: 0.12

		11	Title of the Paper: Design And Analysis of a Novel DC DC Converter Fed from Multiple voltage sources. Authors: Rashmi M.R., A. Suresh (SMK Fomra Institute of Technology, Chennai), T. Nageswara Rao (SRR Engineering College, Chennai) Name of the Journal: International Journal of Electronics and Computer Science Engineering, July 2012 ISSN:2277-1956Month and Year of Publication: July 2012	
Department of Mathematics				
2012-2013	International Journal	1	Title of the Paper: Advantages of cubic arcs for approximating curved boundaries by subparametric transformations for some higher order triangular elements Authors: V. Kesavulu Naidu, K.V. Nagaraja Name of the Journal: Applied Mathematics and Computation (Publisher: Elsevier) Month and Year of Publication: February 2013 Volume No.: 219, Issue 12 ; Page No.: 6893–6910	IF:1.317
		2	Title of the Paper: Radiatic dimension of a graph Authors: K.N. Meera and B. Sooryanarayana Name of the Journal: Journal of computations and modelling Month and Year of Publication: December 2012 Volume No.: 02, No.04; Page No.: 109-131	IF:Nil

		3	Title of the Paper: Generalized Gaussian quadrature rules over two-dimensional regions with Parabolic edges Authors: K.V. Nagaraja, Sarada Jayan Name of the Journal: International journal of Computer Mathematics (Publisher : Taylor & Francis, UK) Month and Year of Publication: August 2012 Volume No.: 89, No.12 ; Page No.: 1631-1640	IF:0.64
Department of Physics				
2012-2013	International Journal		Nil	
Department of Chemistry				
2012-2013	International Journal	1.	Title of the Paper: Biodegradable Sodium alginate and Lignosulphonic acid Blends: Characterization and Swelling studies Authors: Giridhar Reddy S., Akanksha Saxena Pandit Name of the Journal: Revista Polimeros -Ciencia e Tecnologia Month and Year of Publication: Feb 2013 Volume No.n.1, 23 ; Page No. 1-6	0.54
		2.	Title of the Paper: Dibenzazepine hydrochloride as a new spectrophotometric reagent for determination of hydrogen peroxide in plant extracts Authors: P. Nagaraja, J.S. Prakash, S.C. Asha, B.L. Bhaskara and S. Anil Kumar Name of the Journal: Environmental Monitoring and Assessment. Month and Year of Publication: January 2012 Volume No.: 184 ; Page No. : 5983-5988	1.4

		3.	Title of the Paper: performance of coconut shell particulate filled polyester composites Authors: Nanjunda reddy B.H. & M. Ashok kumar Name of the Journal: Pakistani journal of science and industrial research Month and Year of Publication: March 2012 Volume No.55(3) ; Page No.142-148	0.4
		4.	Title of the Paper: Antimicrobial Screening of Co(II), Ni(II)and Cu(II)complexes with Nitrogen and Oxygen containing Schiff Base Authors: B.K. Rai, Rachana Kumari, Amrita Thakur, Name of the Journal: Oriental Journal of Chemistry Month and Year of Publication: February 2012 Volume No.- 28 ; Page No.943-948	--
Department of CSE				
2012-2013	International Conference (Proceedings)	1.	Title of the Paper: Optimised Computational Visual Attention Model for Robotic Cognition Authors: Amudha J., Ravi Kiran Chadalawada, V. Subashini ,Barath Kumar B. Name of the Conference: International Symposium on ‘Intelligent Informatics’ Duration of the Conference: 4th - 5th August, 2012 Name of the Organizer: RMK Engineering College, Chennai. Conference Venue: conducted by RMK Engineering College, Chennai. Page No: Proceedings Published By: Paper was published in the series of ‘Advances in Intelligent and Soft Computing (SPRINGER SERIES)’ indexed by SCOPUS, Springer link.	

		2.	Title of the Paper: Neural Synchronization by Mutual Learning Using Genetic Approach for Secure Key Generation Authors: S. Santhanalakshmi, T.S.B. Sudarshan, G.K. Patra Name of the Conference: International Conference on Security in Computer Networks Distributed Systems (SNDS-2012) Duration of the Conference: October, 2012 Name of the Organizer: IITM-K Techno park, Trivandrum Conference Venue: IITM-K Techno park, Trivandrum Page No: Proceedings Published By: The paper was published in the 'Recent trends in Computer Network and Distributed System Security' (CCIS-Springer link), Volume 335, 2012, PP 422-431, indexed in ISI Proceedings, Scopus, EI, *DBLP	
		3.	Title of the Paper: Analysis of Multimodal Time Series Data of Robotic Environment Authors: G. Radhakrishnan, Deepa Gupta T.S.B. Sudarshan, R. Abhishek, Ankita Ajith Name of the Conference: 12th International Conference on Intelligent Systems Design and Applications Duration of the Conference: 27th - 29th November, 2012 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	

		4.	Title of the Paper: Comparison of Cloud Service Providers based on Direct and Recommended Trust Rating Authors: Supriya M., K. Sangeeta, G.K. Patra Name of the Conference: 2013 IEEE International Conference on 'Electronics, Computing and Communication Technologies (IEEE CONECCT)' Duration of the Conference: 17th - 19th January 2013 Name of the Organizer: IEEE Bengaluru Section Conference Venue: World Trade Center, Bengaluru Page No: Proceedings Published By: Paper appeared in IEEE xplore	
		5.	Title of the Paper: Designing of new Template Matching Algorithm for Object Tracking Authors: Tripty Singh Name of the Conference: International Conference on 'Current Trends in Advanced Computing (ICCTAC)' Duration of the Conference: 15th - 16th February, 2013 Name of the Organizer: KJCMT, IJCA and ISRO Conference Venue: KJCMT, Bangalore Page No: Proceedings Published By:	

		6.	Title of the Paper: Design of New Pattern Classifier based on Morphological Parameter Authors: Tripty Singh Name of the Conference: International Conference on Electronics and Electrical Engineering Duration of the Conference: 10th March 2013 Name of the Organizer: IRNet INDIA Conference Venue: Hyderabad Page No: pp 40-46 Proceedings Published By: Paper was published in Graduate Research in Engineering and Technology (GRET): An International Journal	
Department of ECE				
2012-2013	International Conference (Proceedings)	1	Title of the Paper: Analyzing large dynamic set-point change tracking of MRAC by exploiting fuzzy logic based automatic gain tuning Authors: R. Karthikeyan, Rahul Kumar Yadav, Shikha Tripathi & Hemanth Kumar G. Name of the Conference: 3rd IEEE Control and Systems graduate research colloquium Duration of the Conference: 16th – 17th July 2012 Name of the Organizer: IEEE CSS Malaysia, Shah Alam	
		2	Title of the Paper: Efficient alternate RWA protocol for WDM Networks Authors: T.K. Ramesh , R. Janani, S. Prannoy Kiran, T. Swapna and P.R. Vaya Name of the Conference: International conference on optical Engineering Duration of the Conference: 26th - 28th July 2012 Name of the Organizer: VTU, Belgaum, Karnataka	

		3	Title of the Paper: Multi-class centralized RWA protocol for WDM networks Authors: R. Karthikeyan, Rahul Kumar Yadav, Shikha Tripathi & Hemanth Kumar G. Name of the Conference: International conference on optical Engineering Duration of the Conference: 26th - 28th July 2012 Name of the Organizer: VTU, Belgaum, Karnataka	
		4	Title of the Paper: Efficient and Compact Power Supply for Robotic Application Authors: R. Jeyanthi and K. Deepa Name of the Conference: : Fourth International Conference on Advances in Recent Technologies in Communication and Computing Duration of the Conference: Oct 19-20 2012 Name of the Organizer: ACEEE Bangalore chapter. Proceedings Published in Springer link LNEE	
Department of MEE				
2012-2013	International Conference (Proceedings)	1.	Title of the Paper: Influence of Seeding on Aerobic Composting of Organic Fraction of Municipal Solid Waste Authors: Shankara K. Name of the Conference: 3rd International Conference on 'Solid Waste Management (IconSWM 2012) Duration of the Conference: 1st August, 2012 Conference Venue: Infosys Campus, HI Area, Mysore.	

		2.	Title of the Paper: Electrical Properties of CNT's & CNF's: A Comparative Study Authors: V. Ravi Kumar, Prakash K.R. Name of the Conference: 1st International INDO-CANADIAN Symposium on Nano Science & Technology Duration of the Conference: 20th - 21st February, 2013 Conference Venue: NIE, Mysore.	
Department of EEE				
2012-2013	International Conference (Proceedings)	1	Title of the Paper: Control of a Compass Gait Biped Robot Based on Partial Feedback Linearization Authors: Sreeja Kochuvila, Shikha Tripathi Sudarshan T.S.B. Name of the Conference: 13th Annual conference 'Towards Autonomous Robotics systems(TAROS) and 15th Annual FIRA Roboworld congress, Bristol, UK / Advances in Autonomous Robotics, Lecture Notes in Computer Science(LNCS) Duration of the Conference: August, 2012 Name of the Organizer: Conference Venue: Page No: pp.117-127 Proceedings Published By:	

		2	Title of the Paper: STACOM Interface for Renewable Energy Source with Power Quality improvement Authors: Ilango K., Bhargava A., Trivikram A., Kavya. P.S., Mounika G. ,Vivek N. and Manjula G. Nair Name of the Conference: Conference on Power and Energy Systems (PES 2012) Duration of the Conference: 2nd to 5th September 2012. Name of the Organizer: organized by Elsevier, American Applied Science Research Institute Conference Venue: Hong Kong Education Society at Hong Kong Page No: Proceedings Published By:	.
		3	Title of the Paper: Modified ICosΦ Controller for shunt active filter interfacing Renewable energy source and grid Authors: Ilango K., Manitha P.V. & Manjula G. Nair Name of the Conference: Conference on Power and Energy Systems (PES 2012) Duration of the Conference: 2nd to 5th September 2012. Name of the Organizer: organized by Elsevier, American Applied Science Research Institute Conference Venue: Hong Kong Education Society at Hong Kong Page No: Proceedings Published By:	

		4	Title of the Paper: An Enhanced controller for shunt active filter interfacing renewable energy source and grid Authors : Ilango K., Manitha P.V. & Manjula G. Nair Name of the Conference: Third International conference on sustainable energy Technologies(ICSET-12) held in Conference on Power and Energy Systems (PES 2012) Duration of the Conference: 24th to 27th September 2012. Name of the Organizer: Conference Venue Kathmandu ,Nepal Page No: Proceedings Published By:	
		5	Title of the Paper: Efficient and Compact Power Supply for Robotic Application” Authors: K. Deepa, R. Jeyanthi, M. Vijaya Kumar Name of the Conference: Advances in Recent Technologies in Communication and Computing - ARTCom 2012, Duration of the Conference: 19th - 20th October, 2012. Name of the Organizer: Conference Venue: Bengaluru. Page No: Link as Lecture LNEE p. 104-109 Proceedings Published By: Springer Link Notes in Electrical Engineering,	Indexed in Scopus, MetaPress, EI Compendex and ISI Proceedings

		6	Title of the Paper: Implementation of a SISO-ZVS Push-Pull Converter Fed DC Servo Motor Authors: K. Deepa, Sharika M. (M.Tech. Student), M. Vijaya Kumar Name of the Conference: IEEE Fifth India International Conference on Power Electronics (IICPE 2012) Duration of the Conference: 6th-8th December 2012 Name of the Organizer: Delhi Technological University, Delhi Conference Venue: Delhi Page No: Proceedings Published By: to be uploaded to IEEE Digital Library	
		7	Title of the Paper Implementation of a New Multi output Push-Pull Primary ZVS Converter Authors: K. Deepa, Shaika M. (M.Tech. Student), M. Vijaya Kumar Name of the Conference: IEEE Fifth India International Conference on Power Electronics (IICPE 2012) Duration of the Conference: 6th-8th December 2012 Name of the Organizer: Delhi Technological University, Delhi Conference Venue: Delhi Page No: Proceedings Published By: to be uploaded to IEEE Digital Library	

		8	Title of the Paper: Performance analysis of a DC Motor Fed from ZCS-Quasi-resonant Converters Authors: K. Deepa, M.Vijaya Kumar Name of the Conference: IEEE Fifth India International Conference on Power Electronics (IICPE 2012) Duration of the Conference: 6th-8th December 2012 Name of the Organizer: Delhi Technological University, Delhi Conference Venue: Delhi Page No: Proceedings Published By: to be uploaded to IEEE Digital Library	
		9	Title of the Paper: Implementation and comparison of a new moc with post regulators Authors: T. Deepti(M.Tech. Student), K. Deepa, Satheesh Chandran (ISRO) Name of the Conference: IEEE Fifth India International Conference on Power Electronics (IICPE 2012) Duration of the Conference: 6th-8th December 2012 Name of the Organizer: Delhi Technological University, Delhi Conference Venue: Delhi Page No: Proceedings Published By: to be uploaded to IEEE Digital Library	

		10	Title of the Paper: An Improved Push-Pull Converter with ZVS-ZCS in Active and Passive Switches for Low Voltage Applications Authors: K. Deepa, M. Vijaya Kumar Name of the Conference : International conferences on Control System and Power Electronics – CSPE 2012”, Chennai Duration of the Conference: 3rd -4th December 2012 Name of the Organizer: Conference Venue: Chennai Page No: Proceedings Published By:	
		11	Title of the Paper: An Enhanced Controller for Shunt Active Filter Interfacing Renewable Energy Source and Grid Authors: Ilango K., Manitha P.V. & Manjula G. Nair Name of the Conference: IEEE-5th Indian International Conference on Power Electronics (IIPCE 2012) Duration of the Conference: 6th-8th December 2012 Name of the Organizer: Delhi Technological University, Delhi Page No: Proceedings Published By:	

		12	Title of the Paper: Power Quality Improvement using STATCOM with Renewable Energy Sources Authors: Ilango K., Bhargav A., Trivikram A., Kavya P.S. , Mounika G., Manjula G. Nair Name of the Conference: IEEE-5th Indian International Conference on Power Electronics (IIPCE 2012) Duration of the Conference: 6th-8th December 2012 Name of the Organizer: Delhi Technological University, Delhi Conference Venue :Delhi Page No: Proceedings Published By:	
		13	Title of the Paper: Performance comparison of shunt active filter interfacing algorithm for renewable energy sources Authors: Ilango K., Bhargav A., Trivikram A., Kavya P.S. , Mounika G., Manjula G. Nair Name of the Conference: IEEE-International Conference on Power Electronics, Drives and Energy Systems (PEDES2012) Duration of the Conference: 16th-19th December 2012 Name of the Organizer Indian Institute of Science (IISc) & CPRI Bangalore Conference Venue :Bangalore Page No: Proceedings Published By:	

		14	Title of the Paper: A Hybrid Photo Voltaic - Battery Powered DC-DC Converter with High Conversion ratio and reduced Switch Stress ” Authors: Ilango K., Ram S., Manjula G. Nair Name of the Conference: IEEE-International Conference on Power Electronics, Drives and Energy Systems (PEDES2012) Duration of the Conference: 16th-19th December 2012 Name of the Organizer Indian Institute of Science (IISc) & CPRI Bangalore Conference Venue :Bangalore Page No: Proceedings Published By:	
		15	Title of the Paper: Simulation of vsc based hvdc system for the Integration of wind farm with distribution system Authors: Mahalakshmi R., Usha P. Name of the Conference: ICCIC 2012 Duration of the Conference: July 4th – 6th 2012 Name of the Organizer: SKR engineering College, Chennai(in association with IET,IEEE) Conference Venue: Chennai Page No: 534-538 Proceedings Published By: SKR engineering College, Chennai(in association with IET,IEEE)	

		16	Title of the Paper: A novel Zero Voltage and Zero Current Switched Non-isolated Inverter fed from Renewable Energy Source for high frequency Applications Authors: M.R. Rashmi, T. Prem Koumar Name of the Conference :International Conference on Electrical, Electronics and Civil Engineering(ICEECE-2013) Duration of the Conference: 4th -5th January, 2013 Name of the Organizer : Conference Venue :Bali Page No: Proceedings Published By:	
Department of Mathematics				
2012-2013	International Conference (Proceedings)	1.	Title of the Paper: Analysis of Multimodal Time Series Data of Robotic Environment Authors: Radhakrishnan G., Deepa Gupta, Abhishek R., Ajith A., Sudarshan T.S.B. Name of the Conference: In the proceeding of 12th International Conference on Intelligent Systems Design and Applications (ISDA) Duration of the Conference: November 27-29, 2012 Name of the Organizer: Machine Intelligence Research Labs (MIR Labs) and Cochin University of Science and Technology (CUSAT), India. Conference Venue: Kochi, India. Page No: 734 - 739 Proceedings Published By: IEEE	
Department of Physics				

2012-2013	International Conference (Proceedings)		Title of the Paper: Enhancement of ionic conductivity in mixed ion conducting systems Authors: H Manjunatha, G.N. Kumaraswamy, D. Praveen, R. Damle Name of the Conference: International conference on electroactive polymers [ICEP] Duration of the Conference: 4-9 Nov 2012 Name of the Organizer: Bhanarus Hindu University [BHU]	
Department of Chemistry				
2012-2013	International Conference (Proceedings)	1.	Title of the Paper: Drug delivery studies of sodium alginate and Lignosulphonic acid blends Authors: Giridhar Reddy S., Akanksha Saxena Pandit Name of the Conference: APA 2013 Duration of the Conference : 3days Name of the Organizer: Asian Polymer association. Conference Venue: Punjab University, Chandigarh Page No:23	
		2.	of the Paper :Thermal and Morphological characterization of Sodium Alginate and Lignosulphonic acid Blends Authors: Giridhar Reddy S., Akanksha Saxena Pandit Name of the Conference: International Multicomponent Polymer Conference (IMPC 2012) Conference Venue: MG University Duration of the Conference:3days Page No: 18 Proceedings Published By: Institute of Macromolecular	
2012-2013	National Journals		NIL	
Department of Physics				

2012-2013	National Conferences	1.	Title of the Paper: <i>Effect of Al_2O_3 Nanoparticles and organic solvents on the conductivity of PEDOT:PSS</i> Authors: K.N. Venkatachalaiah, G.N. Kumaraswamy Name of the Conference: National Conference on Recent Advances in Nanoscience and Technology Duration of the Conference: 3-4 May 2013 Name of the Organizer: Acharya Institute of Technology, Bengaluru Conference Venue: Acharya Institute of Technology, Bengaluru Page No:	
		2.	Title of the Paper: Calculation of Q values and Half Lives of Alpha Decay for A = 151 – 181 Using S Matrix Method Authors: K.Adithya, M. Dharani, P. Prema, S. Mahadevan, C.S. Shastry Name of the Conference: DAE Nuclear Physics symposium Duration of the Conference: 3-7 Dec 2012 Name of the Organizer: Department of Physics and Astrophysics, University of Delhi, ~~North Campus, New Delhi~~	
		3.	Title of the Paper: Selective suppression of eigen states with an absorptive delta potential Authors: M. Dharani, B.D. Sahu, S. Mahadevan, C.S. Shastry Name of the Conference: DAE Nuclear Physics symposium Duration of the Conference: 3-7 Dec 2012 Name of the Organizer: Department of Physics and Astrophysics, University of Delhi, ~~North Campus, New Delhi~~	
		4.	Title of the Paper: Role of silica nanoparticles in conductivity enhancement of nanocomposite solid polymer electrolytes: (PEGx NaBr): $ySiO_2$ Authors: D. Praveen, S.V. Bhat, R. Damle Name of the Conference: RTMSR,	

Department of CSE				
2011-2012	International Journal	1.	Title of the Paper: "Video Shot Detection using Saliency Measure" Authors: Amudha J., Radha D., Naresh Kumar Name of the Journal: International Journal of Computer Applications Month and Year of Publication:	0.835
		2.	Title of the Paper: "Estimating Trust Value for Cloud Service Providers using Fuzzy Logic" Authors: Supriya M., Venkatramana L.J., K. Sangeeta, G.K. Patra Name of the Journal: International Journal of Computer Applications	0.835
Department of ECE				
2011-2012	International Journal	1	Title of the Paper: A Centralized Dynamic RWA Protocol for all-Optical WDM Networks Authors: T.K. Ramesh, Sandeep Kumar Konda, M. Swaraj Teja, Harshadeep Veluguleti, P.R. Vaya Name of the Journal : European Journal of Scientific Research Month & Year of Publication: July 2011 Volume No: 56 No.1 ; Page no: 97-103	ISSN: 1450202X H Index: 12 SJR : 0.21 Index: Scopus
		2	Title of the Paper: Distributed Traffic Grooming Multipath Routing Algorithm for all Optical WDM Networks Authors: T.K. Ramesh, Ashok S., Bithil K.B., Deekshit Nayanar, P.R. Vaya Name of the Journal : European Journal of Scientific Research Month & Year of Publication: August 2011 Volume No: 57 No.2 ; Page no: 305-313	ISSN: 1450202X H Index: 12 SJR : 0.21 Index: Scopus

		3	Title of the Paper: Implemetation of GALS Chip Multiprocessor with Flexibly Configurable Low Latency Interconnect Authors: Kirti S.Pande & Prathibha P. Name of the Journal : IFRSA's International Journal of Computing Month & Year of Publication: October 2011 Volume No: 1 Issue.4 ; Page no: 695-701	ISSN: 2231-2153 H Index: --- SJR : --- Index: --
		4	Title of the Paper: A Global RWA Protocol for WDM networks Authors: T.K. Ramesh, Sandeep Kumar Konda, and P.R. Vaya Name of the Journal : International Journal of Engineering Research and Applications (IJERA) Month & Year of Publication: Dec 2011 Volume No: 1, Issue 4 ; Page no: 1685-1689	ISSN: 2248-9642 H Index: -- SJR : -- Index: --
		5	Title of the Paper: Interoperability between wireless etworks using FPGA based Advanced Gateway Authors: Vinodhini M. & Mridula K.M. Name of the Journal : International Journal of Mobile & Adhoc Network Month & Year of Publication: May 2012 Volume No: 2. Issue 2 ; Page no: 240-244	ISSN: 2249-202X H Index: --- SJR : -- Index: --
		6	Title of the Paper: Design, Implemetation and performance analysis of an Integrated Vedic Multiplier Architecture Authors: Kirti S. Pande & Ramachandran S. Name of the Journal : International Journal of Computational Engineering research Month & Year of Publication: May-June 2012 Volume No: 2 Issue.3 ; Page no: 697-703	ISSN: 2250-3005 H Index: -- SJR : -- Index: --

		7	Title of the Paper: JTAG Architecture with Multi Level Security Authors: P. Sathish Kumar, Aditi Patwa & Pooja Ajay Kumar Name of the Journal : IOSR Journal of Computer Engineering Month & Year of Publication: May-June 2012 Volume No: 1 Issue.1 ; Page no: 54-59	ISSN: 2278-8727 H Index: --- SJR : --- Index: EBSCO host
		8	Title of the Paper: Ocillation Test Methodology for Built-In Analog Circuits Authors: P. Sathish Kumar & Sankari M.S. Name of the Journal : International Journal of Computational Engineering research Month & Year of Publication: May-June 2012 Volume No: 2 Issue 3 ; Page no: 868-877	ISSN: 2250-3005 H Index: --- SJR : --- Index: ---
Department of ME				
2011-2012	International Journal	1	Title of the Paper: Exchange of Date between PLM & ERP System Through Middleware Intergrated Authors: Prashanth B.N., Promod R. and Shashi Kumar M.E. Name of the Journal: Journal of Software Engineering and Technology Month and Year of Publication: Aug-2011 Print: ISSN 0974-9748 Online: ISSN 0974-9632	Impact factor :0.261 Thompson ISI
		2.	Title of the Paper: Finite Element Validation and Calibration of a Modified SENT Specimen to Study Fracture Authors: Promod R., Shashi Kumar M.E. and Prashanth B.N. Name of the Journal: CIIT international Journal of Automation and Autonomous System Month and Year of Publication: August 2011 Print: ISSN 0974 – 9659 Online: ISSN 0974 – 9551	Impact factor :0.261 Thompson ISI

		3	Title of the Paper: Studies on mechanical and dry sliding wear of A16061-SiC Composites Authors: G.B. Veeresh Kumar Name of the Journal: Journal of Composites: Part B Engineering Month and Year of Publication: April 2012 Volume: No. 43. Issue 3 ; Print: Elsevier Publications	Impact Factor of 2.221
	International Journal	4	Title of the Paper: Investigations on Micro-Blast Wave Assisted Metal Foil Forming for Biomedical Applications Authors: Nagaraja S.R., Rakesh S.G. Name of the Journal: International Journal of Mechanical Sciences Month and Year of Publication: April 2012	Impact Factor : 1.54 Science Direct SciVerse Scopus
		5	Title of the Paper: Mechanical and dry sliding wear behavior of Al7075 alloy-reinforced with SiC particles Authors: G.B. Veeresh Kumar Name of the Journal: Journal of Composite Materials Month and Year of Publication: May 2012 Volume: 46 Issue 10 Print: SAGE Publications	Impact Factor of 0.986
		6	Title of the Paper: Stress intensity factor for arbitrarily located and oriented cracks in a cylindrical shell with tor-spherical end closures subject to internal pressure. Authors: Pramod R. Name of the Journal: The Internal Journal of Engineering Research and Applications (IJERA) Month and Year of Publication: May-June 2012 Volume No. 2 (issue 3) Print: 3057-3071 ISSN:2248-9622	
Department of EEE				

2011-2012	International Journals	1.	Title of the Paper: Design of PI Controller for Multi Output Boost Converter Authors: K. Deepa, Abhay Gopi, Sebastian, Arjun M. Sathyan, K. Sarad Manaswin, M. Shivapramod Name of the Journal: CIIT International Journal of Programmable Device Circuits and Systems Month and Year of Publication: August 2011 Volume No. 3 ; Page No.461-465	Impact factor - 0.492
2011-2012	International Journals	2.	Title of the Paper: An ANN based Digital Controller with Three-Phase Shunt Active Power Filter for Power Quality Improvement Authors: Sindhu M.R. , Manjula G. Nair , T.N.P. Nambiar Name of the Journal: International Review of Electrical Engineering (IREE), special issue on Power Quality in Smart Grids Month and Year of Publication: November 2011 Volume No. ; Page No.	
		3.	Title of the Paper: Implementation of Shunt Hybrid Filter using ICOSΦ Algorithm Authors: Sindhu S., Sindhu M.R. , Manjula G. Nair , Ginnes K. John Name of the Journal: Asian Power Electronics Journal, Power Electronics Research Centre, The Hong Kong Polytechnic University, Hong Kong Month and Year of Publication: August 2011 Volume No. 5 ; Page No. 7-12	
Department of Mathematics				

2011-2012	International Journals	1.	Title of the Paper: Improving Unsupervised Stemming by Fusing Partial Lemmatization Coupled with Data-Based Heuristic for Hindi Authors: Deepa Gupta, Rahul Kumar Yadav, Nidhi Sajan Name of the Journal: International Journal of Computer Applications Month and Year of Publication: January 2012 Volume No. : 38 ; Page No. : 1-8	IF:0.834
Department of Chemistry				
2011-2012	International Journals	1.	Title of the Paper: A Facile and Rapid HPLC Method for the Determination of Atenolol in Pharmaceutical Formulations Authors: B.L. Bhaskara, S. Anil Kumar, U.R. Anil Kumar Name of the Journal: Asian Journal of Applied Sciences Month and Year of Publication: January 2011 Volume No. : 4 (3); Page No. : 306 – 313.	Nil
		2.	Title of the Paper: Sensitive Liquid Chromatography- Tandem Mass Spectroscopy Method for the Determination of Olanzapine in Human Urine. Authors: U.R. Anil Kumar, B.L. Bhaskara, K. Basavaiah. Name of the Journal: Arabian journal of Science & Engineering Month and Year of Publication: May 2011 Volume No. : 37 ; Page No. : 1381-1387	0.243

		3.	Title of the paper: Assessment of glass/drumstick fruit fiber (moringa oleifera)reinforced epoxy hybrid composites Authors: Nanjunda reddy B.H., & M. Ashok Kumar Name of the Journal: International journal of polymeric materials (Taylor & Francis) Month and Year of Publication: July 2011 Volume No.61 ; Page No.749-757	1.207
		4.	Title of the paper:Mechanical properties of randomly oriented short sanseviriea trifasciata fiber/epoxy composites Authors : Nanjunda reddy B.H. & M. Ashok Kumar Name of the Journal: International Journal of Fiber and Textile Research Month and Year of Publication : July 2011 Volume No.1(1) ; Page No.6-10	Nil
		5.	Title of the Paper: Swelling Behavior of Calcium–ions Cross-linked Bipolymeric Sodium Alginate–LignoSulphonic acid blends. Authors: Giridhar Reddy S., Akanksha Saxena Pandit Name of the Journal: International Journal of Polymeric Materials Month and Year of Publication: December 2011 Volume No.60 ; Page No. 1123–1129	Impact Factor - 1.22
Department of CSE				

2011-2012	International Conference (Proceedings)	1.	Title of the Paper: “An Uncompressed Image Encryption Algorithm based on DNA sequences” Authors: Shima Ramesh Maniyath, Supriya M. Name of the Conference: CCSEA 2011 Duration of the Conference: 15th July 2011 to 17th July 2011 Name of the Organizer: Conference Venue: Chennai Page No: Proceedings Published By:	
		2.	Title of the Paper: “Mobile Robot Programming by Demonstration” Authors: T.S.B. Sudarshan, A.A. Nippun Kumaar Name of the Conference: International Conference on Emerging Trends in Engineering and Technology - ICETET’11, Le Meridien, Mauritius Duration of the Conference: 18th Nov 2011 to 20th Nov 2011 Name of the Organizer: Conference Venue: Mauritius Page No: Proceedings Published By:	
		3.	Title of the Paper: “Sensor Counter Approach for a Mobile Robot to Navigate a Path Using Programming by Demonstration” Authors: A.A. Nippun Kumaar Name of the Conference: International Conference on Communication Technology and System Design – ICCTSD ’11 Duration of the Conference: 7th Dec 2011 to 9th Dec 2011 Name of the Organizer: ASE, Ettimadai Conference Venue: ASE, Ettimadai Page No: Proceedings Published By:	

		4.	Title of the Paper: “Optimal Key Frame Identification Using Visual Attention Model” Authors: Amudha J., Parul Mathur Name of the Conference: International Conference on ‘Recent Trends in Computer Science and Engineering (ICRTCSE -2012)’ Duration of the Conference: 3rd May 2012 to 4th May 2012 Name of the Organizer: Department of Computer Science and Engineering, Apollo Engineering College, Chennai Conference Venue: Apollo Engineering College, Chennai Page No: Proceedings Published By:	
		5.	Title of the Paper: “A Heuristics Approach to find Maximal Empty Rectangles on a FPGA” Authors: Sudarshan T.S.B., Radhakrishnan G, Ashish Sebastian, AlaviIsmailiZine EL Abidine Name of the Conference: 3rd International Conference on ‘Multimedia Computing and Systems (ICMCS’ 12)’ held at Tanzier, Morocco. Duration of the Conference: 10th May 2012 to 12th May 2012 Name of the Organizer: Conference Venue: Tanzier, Morocco Page No: Proceedings Published By:	
Department of ECE				

2011-2012	International Conference (Proceedings)	1.	Title of the Paper: Single Image Super Resolution Using Sparse Image and GLCM Statistics as Priors. Authors: S. Ravishankar, Nagadastagiri Reddy C. (student) and M.V. Joshi Name of the Conference: The 2011 International Conference Of Signal and Image Engineering, International Association of Engineers(IAENG) Duration of the Conference: 6th – 8th July 2011 Name of the Organizer: World Congress on Engineering 2011 Conference Venue: London, U.K. Page No: Proceedings Published By:	
		2.	Title of the Paper: “A Proactive And Self – Regulated Ant-Based RWA Protocol For All- Optical WDM Networks” Authors: T.K. Ramesh, Amrutha Lakshmi N. (Student), Anjali Madhu (Student), K. Saumya Reddy (Student) and P.R. Vaya Name of the Conference: 2011 International Conference on Process Automation, Control and Computing (IEEE PACC 2011) Duration of the Conference: 20th – 22nd July 2011 Name of the Organizer: Coimbatore Institute Of Technology, Coimbatore Conference Venue: Coimbatore Institute Of Technology Page No: - Proceedings Published By:	

		3.	Title of the Paper: “An Efficient Distributive Arithmetic Based 3 Dimensional Discrete Wavelet Transform For Video Processing” Authors: Ganapathi Hegde, P.R. Vaya Name of the Conference: 2011 International Conference on Process Automation, Control and Computing (IEEE PACC 2011) Duration of the Conference: 20th – 22nd July 2011 Name of the Organizer: Coimbatore Institute Of Technology, Coimbatore Conference Venue: Coimbatore Institute Of Technology Page No: - ; Proceedings Published By:	
		4.	Title of the Paper: “Single Image Super Resolution Using Sparse Image and Singular Values as Priors” Authors: S. Ravishankar, Nagadastagiri Reddy, Shikha Tripathi, K.V.V. Murthy Name of the conference: International Conference on Computer Analysis of Images and Patterns (CAIP 2011), University of Seville, SPAIN. Duration of the Conference: 29th to 31st August 2011 Name of the Organizer: University of Seville under the auspices of this University , IAPR and Spanish Ministry of Science and Innovation Conference Venue: Page No: - Proceedings Published By:	

		5.	Title of the Paper: “ Understanding the Neural Mechanism of Sleep Using Wavelets & Multifractional Techniques” Authors: Sunitha R. ,Pradhan N. , Padmaja K.V. Name of the Conference: International Conference on Signal Processing, Communication, Computing and Networking Technologies (ICSCCN), 2011 Duration of the Conference: 23rd September 2011 Name of the Organizer: Conference Venue: Page No: 336-341 Proceedings Published By: IEEE	
		6.	Title of the Paper: “ Implementation of GALS Chip Multiprocessor with Flexibly Configurable Low Latency Interconnect” Authors: Pratibha P.(M.Tech. Student), Kirti S. Pande Name of the Conference: Duration of the Conference: 30th September 2011 Name of the Organizer: International Forum of Researchers Students and Academician's (IFRSA's) International Journal of Computing (IJC) Conference Venue: Page No: Proceedings Published By:	

		7.	Title of the Paper: "Understanding the Neural Mechanism of Sleep Using Wavelets & Multifractional Techniques" Authors: Sunitha R., Pradhan N. , Padmaja K.V. Name of the Conference: International Conference on Signal Processing, Communication, Computing and Networking Technologies (ICSCCN), 2011 Duration of the Conference: 23rd September 2011 Name of the Organizer: Conference Venue: Page No: 336-341 Proceedings Published By: IEEE	
		8.	Title of the Paper: " Fuzzy Based Control of CSTDH" Authors: R. Karthikeyan, G. Hemanth Kumar, Kalyan Pusarla (student), Sindhura Manthapuri (student) Name of the Conference: DRDO Sponsored Eighth Control Instrumentation System Conference, CISCON-2011 Duration of the Conference: 3rd to 6th November 2011 Name of the Organizer: Manipal Institute of Technology. Conference Venue: , Manipal,Karnataka. Page No: Proceedings Published By:	
		9.	Title of the Paper: " Design of Data Adaptive IFFT/FFT Block for OFDM System" Authors: L.M. Rajeswari (M.Tech. Student) and Satish Kumar Manocha Name of the Conference: INDICON 2011 Duration of the Conference: 16th to 18th December 2011. Name of the Organizer: IEEE Conference Venue: Hyderabad Page No: Proceedings Published By: IEEE	

		10	Title of the Paper: “ Advanced Centralized RWA protocol for WDM Networks” Authors: Sandeep Kumar Konda (B.Tech. Student), T.K. Ramesh, P.R. Vaya Name of the Conference: INDICON 2011 Duration of the Conference: 16th – 18th December 2011 Name of the Organizer: IEEE Conference Venue: Hyderabad Page No: Proceedings Published By: IEEE	
		11	Title of the Paper: “Survival Traffic Grooming RWA Protocol for WDM Networks” Authors: T.K. Ramesh, Sandeep Kumar Konda (B.Tech. Student), P.R. Vaya Name of the Conference: International Conference on Communication Technology & System Design (ICCTSD 2011) Duration of the Conference: 7th – 9th December 2011 Name of the Organizer: Department of Electronics & Communication Engineering, Amrita School of Engineering, Conference Venue: Amrita Vishwa Vidyapeetham, Coimbatore Page No: 334 - 340 Proceedings Published By: Elsevier-Procedia Engineering	

		12	Title of the Paper: “An Efficient Hardware Model for RSA Encryption System Using Vedic Mathematics” Authors: Ganapathi Hegde, R. Bhaskar (M.Tech. Student), P.R. Vaya Name of the Conference: International Conference on Communication Technology & System Design (ICCTSD 2011), Duration of the Conference: 7th – 9th December 2011 Name of the Organizer: Department of Electronics & Communication Engineering, Amrita School of Engineering, Conference Venue: Amrita Vishwa Vidyapeetham, Coimbatore Page No: Proceedings Published By: Elsevier-Procedia Engineering	
Department of Mechanical Engineering				
2011-2012	International conference	01	Title of the Paper: Characterization of Electroplated High Strength Aluminium Alloy 7075-T6 Authors: Mohan Kumar S. and Dilip Name of the Conference: ICDAMME-2011 Duration of the Conference: 2011 Name of the Organizer: SKP Engineering College. Conference Venue: Thirurannamalai, TN	

		02	Title of the Paper: Combined effect of T6 heat treatment and reinforcements on tribological properties in Al6061/WC /Gr metal matrix hybrid composites Authors: G.B. Veeresh Kumar Name of the Conference: Joint International Conference on Advanced Materials (ICAM 2011) Duration of the Conference: 19th to 20th Aug, 2011 Name of the Organizer: B.T.L Institute of Technology Conference Venue: B.T.L Institute of Technology, Bangalore	
		03	Title of the Paper: Application of DOE Techniques in the Development of a Robust Simulation Model for the Analysis and Optimization of System Performance. Authors: Janaki R., V. Ravikumar Name of the Conference: Joint International Conference on Advanced Materials-ICAM 2011, Duration of the Conference: 19th–20th August 2011 Name of the Organizer: B.T.L Institute of Technology Conference Venue: B.T.L Institute of Technology, Bangalore	
		04	Title of the Paper: Prediction on Wear of Al7075-Al₂O₃ MMCs using Artificial Neural Networks Authors: G.B. Veeresh Kumar Name of the Conference: International Conference Advances In Mechanical, Manufacturing and Building Sciences (ICAMB – 2012) Duration of the Conference: January 9th to 11th 2012. Name of the Organizer: School of Mechanical & Building Sciences, VIT University Conference Venue: Vellore 632 014, Tamil Nadu	

2011-2012	International Conference	05	Title of the Paper: Effect of double tempering after cryogenic treatment on coated inserts Authors: Bhanu Prakash S and Deepthi Y.P. Name of the Conference: ERA-2012 (emerging research and advances in mechanical sciences) Duration of the Conference: 23rd march 2012 Name of the Organizer: Velammal Engg College Conference Venue: Chennai, TN	
		06	Title of the Paper: Biodegradation of Malachite Green by Fungal Isolates” Authors: Shankara K. Name of the Conference: Two-Day International Conference on ‘Role of Green Technologies for Sustainable Development (RGTSD 2012)’, organized by Guru Naanak Institutions Hyderabad Duration of the Conference: 31st March, 2012 Name of the Organizer: Conference Venue:	
		07	Title of the Paper: “Ambient Air Quality Trends & Preparation of Air Quality Atlas: A Case Study of Bangalore City” Authors: Shankara K. Name of the Conference: Two-Day International Conference on ‘Role of Green Technologies for Sustainable Development (RGTSD 2012)’, organized by Guru Naanak Institutions Hyderabad Duration of the Conference: 31st March, 2012	

		08	Title of the Paper: Enhancing the Life of Tungsten Carbide Insert by Cryogenic Treatment Authors: Bhanu Prakash S. and Mrs. Deepthi Y.P. Name of the Conference: ICAMIT 2012 (International Conference on Awances in Manufacturing Technology) Duration of the Conference: 15-17th June 2012 Name of the Organizer: Chennai Institute of technology Conference Venue: Chennai, TN	
2011-2012	International Conference	09	Title of the Paper: Finite Element Modelling and Analysis of Drilling of GFRP/CFRP Composites. Authors: Shashi Kumar and Pramod R. Name of the Conference: Joint International conference on Advanced Materials-2011 Duration of the Conference: 19th and 20th Aug 2012 Name of the Organizer: BTLIT, Bangalore Conference Venue: BTLIT, Bangalore	
Department of ECE				
2011-2012	National Conference (Proceedings)	1.	Title of the Paper: RTL Design of PCI Express Physical Link Layer Transmit Logic Authors: N.V.S. Murty Name of the Conference: National Conference on Emerging Trends in Information & Communication- NCETIC' 12. Duration of the Conference: 27/04/2012 Name of the Organizer: Anna University Chennai Conference Venue: MIT Campus, TamilNadu Page No: Proceedings Published By:	
Department of MEE				

2011-2012	National Conference (Proceedings)	1.	Title of the Paper: 'Investigations on Forming of Thin Metallic Plates subjected to Shock wave Loading' Authors: Nagaraja S.R. Name of the Conference: 2nd National Symposium on Shock waves' held at Thanjavur Duration of the Conference: 27th & 28th February, 2012	
Department of Physics				
2011-2012	National Conference	1	Title of the Paper: Effect of ZnO nanoparticles and Postdeposition annealing on the conductivity of PEDOT:PSS Authors: K.N. Venkatachalaiah, G.N. Kumaraswamy Name of the Conference: National conference on Plastic and Rubber Technology, SJCE Mysore Duration of the Conference: 25-26 April 2011 Name of the Organizer: SJCE Mysore Conference Venue: SJCE Mysore	
Department of CSE				
2010-2011	International Journal	1.	Title of the Paper: Intelligent Lighting System using Wireless Sensor Networks Authors: Co-authored by T.S.B. Sudarshan Name of the Journal: International Journal of Adhoc, Sensor and Ubiquitous Computing. Month and Year of Publication: Dec 2010 Volume No. 1, No 4 ; Page No. PP 17 -27	0.242
		2.	Title of the Paper: A Knowledge Driven Computational Visual Attention Model Authors: Amudha J. K.P. Soman, Padmakar Reddy S. Name of the Journal: IJCSI International Journal of Computer Science Issues Month and Year of Publication: May 2011 Volume No.8, Issue 3 ; Page No. pp. 134-140	0.242

		3.	Title of the Paper: Feature Selection in Top -Down Visual Attention Model with WEKA Authors: Amudha J. K.P. Soman, Y. Kiran(M.Tech. Student) Name of the Journal: International Journal of Computer Applications Month and Year of Publication: June 2011 Volume No. 24, No. 4 ; Page No. pp. 38-43	0.835
		4.	Title of the Paper: Feature Selection in Top-Down Visual Attention Model Authors: Amudha J., K.P. Soman Name of the Journal: Journal of Computing Month and Year of Publication: June 2011 Volume No.:3, Issue 6 ; Page No. pp. 11-17	0.21
		5.	Title of the Paper: A Novel Approach to Medical Image Segmentation Authors: Nandagopalan Shanmugam, Adiga B. Suryanarayana, Sudarshan T.S.B. Dhanalakshmi Chandrashekar and Cholenally Nanjappa Manjunath Name of the Journal: Journal of Computer Science Month and Year of Publication: 2011 Volume No. 7 (5); Page No. pp. 657-663	1.35
Department of ECE				
2010-2011	International journal	1	Title of the Paper: An adaptive reliable multipath routing protocol for WDM Networks Authors: T.K. Ramesh & P.R.Vaya Name of the Journal : International Journal of computer Sciences & Engineering Systems Month & Year of Publication: Oct 2010 Volume No: Vol.4 ; Page no: pp	ISSN:0973-4406 H Index: ... SJR : ... Index: DOAJ Impact Factor:

		2	Title of the Paper: Absorptive optical bistability in hybrid laser structure Authors: Tan Chee Leong and Pukhraj Vaya Name of the Journal : ICTACT Journal on Communication Technology Month & Year of Publication: 2010 Volume No: 1 Issue 2 ; Page no: 76-79	ISSN: 0976-0091 H Index: ... SJR : ... Index: ... Impact Factor:
		3	Title of the Paper: A DWT based Dual Image Watermarking Technique for Authenticity and Watermark Protection Authors: Shikha Tripathi, Nishanth Ramesh, Bernito A., Neeraj K. Jairaj Name of the Journal : Signal and image processing: An International journal(SIPIJ) Month & Year of Publication: December 2010 Volume No: Vol.1, No.2 ; Page no: 33-45	ISSN: 2229-3922 H Index: ... SJR : ... Index: ... Impact Factor: 0.23
		4	Title of the Paper: Fuzzy Logic Based Control for Parallel Cascade Control Authors: R. Karthikeyan, Tapio Pahikkala, Seppo Virtanen, Jouni Isoaho, K. Manickavasagam Name of the Journal: ICGST-ACSE Journal Month and Year of Publication: Dec 2010 Volume No. 10(1); Page No. 39–48	ISSN: 1687–4811 H Index: ... SJR : ... Index: ... Impact Factor: ...
		5	Title of the Paper: Minimization of Ternary Combinatorial circuits – A survey Authors: Sathish Kumar A. and S.K. Manocha Name of the Journal: International Journal of Engineering Science and Technology Month and Year of Publication: Dec 2010 Volume No.: 2 (8) ; Page No.: 3576 – 3589	ISSN: 2278–9510 H Index: ... SJR : ... Index: ... Impact Factor: ...

		6	Title of the Paper: Modeling of Combinatorial circuits based on Ternary Multiplexer using VHDL Authors: Sathish Kumar A., A. Swethapriya and S.K. Manocha Name of the Journal: International Journal on Computer and Engineering Month and Year of Publication: Dec 2010 Volume No.: 2 (5) ; Page No.: 1777 – 1791	ISSN: H Index: ... SJR : ... Index: DOAJ Impact Factor: ...
		7	Title of the Paper: “A Low Power VLSI ASIC 3-Dimensional Discrete Wavelet Transform Architecture for Video Coding using Lifting Scheme” Authors: Ganapathi Hegde and Pukhraj Vaya Name of the Journal: CIIT International Journal of Digital Image Processing Month and Year of Publication: April-2011. Volume No. 3, No.5; Page No. 716-721	ISSN: 0974 – 9691 H Index: ... SJR : ... Index: ... Impact Factor: ...
		8	Title of the Paper: “An Adaptive Reliable Multipath Centralized RWA Algorithm for All-Optical WDM Networks” Authors: T.K. Ramesh, Sandeep Kumar Konda, M. Swaraj Teja, Harshadeep and P.R. Vaya. Name of the Journal: CIIT International Journal of Networking and Communication Engineering Month and Year of Publication: April-2011. Volume No. 3, No.5 ; Page No. 326-331	ISSN: 0974-9713 H Index: ... SJR : ... Index: ... Impact Factor: ...
Department of ME				

2010-2011	International journal	1.	Title of the Paper: Synthesis and Property Evaluation of Al 7075 – Al₂O₃ Composites Authors: Veeresh Kumar G.B. Name of the Journal: CIIT International Journal of Biometrics and Bioinformatics Month and Year of Publication: April 2011 Print: ISSN 0974-9675; Online: ISSN 0974-956X www.ciitresearch.org/bbapril2011.html	Impact factor :0.316
		2.	Title of the Paper: Finite Element Validation and Calibration of a Modified SENT Specimen to Study Authors: Pramod R , B.N. Prashanth and M.E. Shashi Kumar Name of the Journal: <i>CIIT Journal of Automation and Autonomous System</i> Month and Year of Publication: August 2011 Print: ISSN 0974 – 9659 Online: ISSN 0974 – 9551	Impact factor :0.134
		3.	Title of the Paper: Exchange of Data between PLM and ERP Systems through Middleware Integration Authors: B.N. Prashanth, R. Pramod and Shashi Kumar M.E. Name of the Journal: <i>International Journal of Software Engineering and Technology</i> Month and Year of Publication: August 2011 Print: ISSN 0974 – 9748 Online: ISSN 0974 – 9632	Impact factor :0.261
Department of EEE				

2010-2011	International Journal	1	Title of the Paper: Fuzzy logic based control for parallel cascade control Authors: R. Karthikeyan, Tapio Pahikkala, Seppo Virtanen, Jouni Isoaho, K. Manickavasagam, K.V.V Murthy Name of the Journal: ICGST_ACSE journal December 2010 Month and Year of Publication: December 2010 Volume.No: ; Pg.No:	
Department of Mathematics				
2010-2011	International Journal	1.	Title of the Paper: Generalized Gaussian Quadrature Rules over two-dimensional regions with linear edges Authors: Sarada Jayan, K.V. Nagaraja Name of the Journal: Applied Mathematics and Computations Month and Year of Publication: February 2011 Volume No.217 ; Page No. 5612-5621	I.F: 1.534 Cited by 2
		2.	Title of the Paper: Effect of curvature on oscillatory free convection from an infinite horizontal cylinder embedded in a porous medium Authors: Neetu Srivastava Name of the Journal: Journal of Applied Mathematics and Fluid Mechanics Month and Year of Publication: June 2011 Volume No. : 3 ; Page No. : 85-94	IF: Nil
		3.	Title of the Paper: Optimal Outer Sum Number of Graphs Authors: K.N. Meera and B. Sooryanarayana Name of the Journal: International Journal of Combinatorial Graph Theory and Applications Month and Year of Publication: January-June 2011 issue Volume No.4 ; Page No. 23-35	I.F: Nil

		4.	Title of the Paper: On Quartic Splines with applications to quadrature over curved domains Authors: H.T. Rathod, A.S. Hariprasad, B. Venkatesh, N.L. Ramesh Name of the Journal: International e-Journal of “Numerical Analysis and Related Topics” Month and Year of Publication: March 2011 Volume No. <u>6</u> ; Page No. 126 -146	I.F: Nil
		5.	Title of the Paper: Gauss Legendre – Gauss Jacobi Quadrature Rules over a tetrahedral Region Authors: H.T. Rathod, B. Venkatesh Name of the Journal: International Journal of Mathematical Analysis Month and Year of Publication: January 2011 Volume No. 5 ; Page No. 189-198	H Index : 4 IF:0.224
		6.	Title of the Paper: The use of parabolic arc in matching curved boundary by point transformations for septic order triangular element and its applications Authors: V. Kesavulu Naidu, K.V. Nagaraja Name of the Journal: Advanced Studies in Contemporary Mathematics (Publisher : Guduk Co, South Korea) Month and Year of Publication: July 2010 Volume No.: 20, No. 3; Page No.: 437-456	IF:1.4
Department of Chemistry				
2010-2011	International Journal	1.	Title of the Paper: 4-Nitro-2-phenoxyaniline Authors: H.R. Manjunath, M.T. Shreenivasa, M. Mahendra, T.M. Mohan Kumar, B.E. Kumara Swamy and M.A. Sridhara Name of the Journal: Acta Crystallographica - E Month and Year of Publication: March 2010 Volume No. : E66 ; Page No. : o1255	0.4

		2.	Title of the Paper: Sensitive Liquid Chromatography- Tandem Mass Spectroscopy Method for the Determination of Olanzapine in Human Urine. Authors: B.L. Bhaskara, U.R. Anil Kumar, K. Basavaiah Name of the Journal: Arabian Journal of Chemistry ; Month and Year of Publication: June 2010 ; Volume No. : 4 ; Page No. : 163 – 168	1.36
Department of CSE				
2010-2011	International Conference (Proceedings)	1.	Title of the Paper: Improving Web Ranking from Click through Data and Implicit Link Authors: T.S.B. Sudarshan, Mehala N. Mayank Kanthan Name of the Conference: Third International Conference on Information Processing Duration of the Conference: 07/08/09 to 09/08/09 Name of the Organizer: Conference Venue: Bangalore Page No: Proceedings Published By:	
		2.	Title of the Paper: Univesal Parallel Multiplier Architecture using Urdhva Tiryakbhyam Sutra Authors: Ankit Mahanot, Atharva Chauthaiwale, T.S.B. Sudarshan Name of the Conference: International Conference on HPC Duration of the Conference: 16/12/09 to 19/12/09 Name of the Organizer: Conference Venue: Cochin Page No: Proceedings Published By:	
Department of ECE				

2010-2011	International Conferences	1	Title of the Paper: A Reliable Anti-Counterfeiting Techniques Using Losseless codes Authors: Ravishankar, Santhosh Hariharan and Naveen Kumar. Name of the Conference: 2010 International conference on Image processing Computer vision and Pattern recognition. Duration of the Conference: July 12-15, 2010 Name of the Organizer: World Comp'10 Conference Venue: Las Vegas, Nevada,USA Page No: 222-226 Proceedings Published By: CSREA press.	
		2	Title of the Paper: Multi resolution in Remotely sensed Images: Use of Gibbs Prior and PSO optimization codes. Authors: S. Ravishankar, K.V.V. Murthy, Majunath Joshi and Prakash gajjar Name of the Conference: 2010 IEEE International conference on Geoscience and Remote sensing Symposium. Duration of the Conference: July 27-31, 2010 Name of the Organizer: IEEE Geoscience Remote sensing society Conference Venue: Hawaii,USA Page No: 484-488 Proceedings Published By: IEEE GRSS	

		3	Title of the Paper: MAP Estimation For Multi resolution Fusion for Remotely sensed Images. Authors: S. Ravishankar, K.VV. Murthy, Majunath Joshi and Abhishek Shripat, Pradipta Nanda. Name of the Conference: 2010 IEEE International conference on Geoscience and Remote sensing Symposium. Duration of the Conference: July 27-31, 2010 Name of the Organizer: IEEE Geoscience Remote sensing society Conference Venue: Hawaii, USA Page No: --480-484 Proceedings Published By: IEEE GRSS.	
		4	Title of the Paper: Development of Process control for Ply-Silicon CVD Reactor Authors: A. Swetha Priya, S. Vinod Kumar, Sibin K. Mathew, Abhinav A. Kalamdani and R. Karthikeyan Name of the Conference: International Conference on System Dynamics and Control (ICSDC 2010) Duration of the Conference: 19 – 22 August 2010 Name of the Organizer: Department of ICE, Manipal Institute of Technology, Manipal Conference Venue: Manipal Institute of Technology, Manipal Proceedings Published By: I.K. International Publishing House Pvt. Ltd (ISBN: 978-93-80578-58-3)	

		5	Title of the Paper: Design of CMOS-MEMS Electronics Digital Gyroscope for Micro Air Vehicles Authors: Sathishkumar P., Babu C. and P.R.Vaya Name of the Conference: International Conference on Innovative Research in Engineering and Technology (ICIRET-2010) Duration of the Conference: Aug 2010 Name of the Organizer: Park College of Engineering and Technology, Coimbatore Conference Venue: Coimbatore Page No:-;Proceedings Published By: Park College of Engineering and Technology, Coimbatore	
		6	Title of the Paper: "A Proactive and Self-Regulating Protocol for WDM All-Optical Networks" Authors: T.K.Ramesh and P.R.Vaya Name of the Conference: ICIRET 2010 Duration of the Conference: August 12-14, 2010 Name of the Organizer: Park College of Engineering and Technology, Coimbatore. Conference Venue: Park College of Engineering and Technology, Coimbatore. Page No: 72 Proceedings Published By: Park College of Engineering and Technology, Coimbatore	

		7	Title of the Paper: A novel Integrated Instrumentation Technique for Air pollution monitoring Authors: Santosh Hariharan Name of the Conference: International conference on Environmental Engineering and applications – ICEEA 2010 Duration of the Conference: 10 – 12 Sept. 2010 Name of the Organizer: Conference Venue: Singapore Page No: 142-145 Proceedings Published By:	
		8	Title of the Paper: Wavelet based Medical image fusion using filter masks Authors: Susmitha Vekkot Name of the Conference: FIRA Roboworld Congress 2010 Duration of the Conference: Sept 15-17, 2010 Name of the Organizer: FIRA Conference Venue: ASE, Bangalore Page No: 298-305 Proceedings Published By: Springer	
		9	Title of the Paper: “A Simple Distributed Dynamic Routing Algorithm with Blocking Probability Heuristics for Fault Tolerant Computing in All- Optical WDM Networks” Authors: T.K.Ramesh and P.R.Vaya Name of the Conference: ICODC 2010 Duration of the Conference: November 3-4, 2010 Name of the Organizer: Oxford College of Engineering and Technology, Bengaluru. Conference Venue: Oxford College of Engineering and Technology, Bengaluru. Page No:110-116 Proceedings Published By: Oxford College of Engineering and Technology, Bengaluru.	

		10	Title of the Paper: Design and FPGA implementation of 3D-DWT for Video Encoder/Decoder' Authors: Ganapathi Hegde and P.R.Vaya Name of the Conference: International Conference on Computer Architecture, Networking and Applications (IC-CANA 2011) Duration of the Conference: Jan, 2011 Name of the Organizer: NITTE, Mangalore Conference Venue: Mangalore Page No: 69 – 78 ; Proceedings Published By:	
		11	Title of the Paper: Power Management in SoC using CPF Authors: Lakshmi M. Satyananda, Pukhraj Vaya and Srinivasan Venkatramanan Name of the Conference: 3rd Int. Nal. Conference on Electronics and Computer Technology (IEEE-ICECT 2011) Duration of the Conference: April 8-10, 2011 Name of the Organizer: Conference Venue: Page No: V2, 325-329, Proceedings Published By:	
		12	Title of the Paper: Behavioral Modeling Of Switched Capacitive Interfacing Circuitry Using MATLAB/SIMULINK Authors: Swetha Priya and P.R. Vaya Name of the Conference: 3rd Int. Nal. Conference on Electronics and Computer Technology (IEEE-ICECT 2011) Duration of the Conference: April 8-10, 2011 Name of the Organizer: Conference Venue: Page No: V2, 310-315 Proceedings Published By:	

		13	Title of the Paper: “Distributed Dynamic Multipath RWA Algorithm for Enhancement of QoS for All-Optical WDM Networks” Authors: T.K. Ramesh, Ashok.S, Bithil.K.B., Deekshit Nayanar and P.R. Vaya. Name of the Conference: 3rd IEEE ICIME Duration of the Conference: May 21-22, 2011 Name of the Organizer: IEEE Conference Venue: Zhengzhou, China. Page No: 106-110 Proceedings Published By: IEEE	
Department of ME				
2010-2011	International Conference Proceedings	1.	Title of the Paper: FEA of Aluminium Based MMCS and HMMCs” Authors: Pramod R. Name of the Conference: AMMMT. Duration of the Conference: 2 days (18th and 19th Nov 2010) Name of the Organizer: Siddaganga Institute of Technology Conference Venue: SIT, Tumkur	
		2.	Title of the Paper: Integrating Winchill PLM with ERP. Authors: Pramod R., Prashanth B.N. Name of the Conference: AMMMT Duration of the Conference: 2 days (18th and 19th Nov 2010) Name of the Organizer: Siddaganga Institute of Technology Conference Venue: SIT, Tumkur	

		3.	Title of the Paper: FEM model for measurement of hardness of INCONEL 718 coatings Authors: Pramod R. Name of the Conference: International Conference on Recent Advances in Mechanical Engineering Duration of the Conference: 22nd April 2011 Name of the Organizer: M.G.R. Educational and Research Institute University. Conference Venue: M.G.R. Educational and Research Institute University, Chennai,	
		4.	Title of the Paper: Mechanical & Tribological Properties of Al6061-Tungsten Carbide-Graphite Hybrid Metal Matrix Composites Authors: Veeresh Kumar G.B. Name of the Conference: International Conference on Recent Advances in Mechanical Engineering Duration of the Conference: 22nd April 2011 Name of the Organizer: M.G.R. Educational and Research Institute University. Conference Venue: M.G.R. Educational and Research Institute University, Chennai,	
		5.	Title of the Paper: Finite Element Validation and Calibration of a Modified SENT Specimen to Study Fracture Authors: Shashi Kumar M.E., B.N. Prashanth, R. Pramod Name of the Conference: International Conference on Advances in Engineering and Technology, (ICAET-2011) Duration of the Conference: 27th - 28th May, 2011 Name of the Organizer: E G S Pillai Engineering College Conference Venue: E G S Pillai Engineering College, Nagapattinam	

		6.	Title of the Paper: An Investigation on Drillability of GFRP/CFRP Composites Using Design of Experiments Authors: R. Pramod, Shashi Kumar M.E., B.N. Prashanth Name of the Conference: International Conference on Advances in Engineering and Technology, (ICAET-2011) Duration of the Conference: 27th - 28th May, 2011 Name of the Organizer: E G S Pillai Engineering College Conference Venue: E G S Pillai Engineering College, Nagapattinam	
		7.	Title of the Paper: Exchange of Data between PLM and ERP Systems through Middleware Integration Authors: B.N. Prashanth, R. Pramod, Shashi Kumar M E Name of the Conference: International Conference on Advances in Engineering and Technology, (ICAET-2011) Duration of the Conference: 27th - 28th May, 2011 Name of the Organizer: E G S Pillai Engineering College Conference Venue: E G S Pillai Engineering College, Nagapattinam	
Department of EEE				

2010-2011	International Conference (Proceedings)	1	Title of the Paper: Control of Distributed Generator and Smart Grid using Multi-agent System Authors: K. Manickavasagam, M. Nithya, J. Sruthi, P.K.Priya , Shruthi Krishnan, Smriti Misra Name of the Conference: INTERNATIONAL CONFERENCE on “ELECTRICLA ENERGY SYSTEMS” ICEES-2010 Duration of the Conference: 3-5January 2010 Name of the Organizer:SSN College of Engineering Conference Venue:Chennai Page No: Proceedings Published By: IEEE conference Proceedings	
		2	Title of the Paper: <u>Harmonic Analysis Of A Modified Cascaded Multilevel Inverter</u> Authors: K. Deepa, Savitha P. , Vinodhini B. Name of the Conference: IEEE International Conference of Electrical Energy Systems (ICEES) Duration of the Conference: 3-5 Jan. 2011 Name of the Organizer: SSN College of Engineering Conference Venue: Chennai, India. Page No: pg 92 - 97 Proceedings Published By: IEEE Digital explore, INSPEC	
		3	Title of the Paper: Eddy Current Modeling in Transformer Iron Losses Operated by PWM Inverter’ Authors: K. Ilango, Noyel, Mayuri Name of the Conference: IEEE-PEDES 2010: Power India Conference Duration of the Conference: 21 st December 2012 Proceedings Published By:	
Department of Mathematics				

2010-2011	International Conference (Proceedings)	1.	Title of the Paper: Generalized Gaussian Quadrature Rules over triangle Authors: Sarada Jayan, K.V. Nagaraja Name of the Conference: International Conference in Emerging Trends in Mathematics and Computer Applications- ICETMCA-2010 Duration of the Conference: 3 days(16-18 Dec 2010) Name of the Organizer: Mepco-Schlenk Engineering College, Sivakasi Conference Venue: Mepco-Schlenk Engineering College, Sivakasi Page No:175-177 Proceedings Published By: Allied Publishers Private Limited	International Conference (Proceedings)
		2.	Title of the Paper: English-Hindi Automatic Word Alignment with Scarce Resources Authors: Eknath Venkataramani, Deepa Gupta Name of the Conference: International Conference on Asian Language Processing (IALP) 2010 Duration of the Conference: 3days (28-30 Dec2010) Name of the Organizer: IEEE Computer Society Conference Venue: Harbin, Heilongjiang, China Page No: 253-256 Proceedings Published By: IEEE	

		3	Title of the Paper: Annotation Guidelines for Hindi-English Word Alignment Authors: Rahul Kumar Yadav, Deepa Gupta Name of the Conference: International Conference on Asian Language Processing (IALP) 2010 Duration of the Conference: 3days (28-30 Dec2010) Name of the Organizer: IEEE Computer Society Conference Venue: Harbin, Heilongjiang China Page No: 293-296 Proceedings Published By: IEEE	
Department of CSE				
	National Conference (Proceedings)	1.	Title of the Paper: Data Sharing using PNFS Authors: Pushpa P. Mohan, Kavitha C.R., Girija S. Name of the Conference: Information Processing - 2010 Duration of the Conference: 24/03/2010 Name of the Organizer: AMCEC, Bangalore Conference Venue: AMCEC, Bangalore Page No: Proceedings Published By:	
2009-2010		1	Title of the Paper: DSP implementation of QPSK and 8-QAM transmitter for software defined Radio Authors: Shikha Tripathi, V. Mathuranathan & M.N. Satyanarayanan Name of the Journal : The IUP Journal of Telecommunications Month & Year of Publication: August, 2009 Volume No: Vol.1; Page no: pp 54-62	ISSN: ISSN: 0975-5551 H Index: ... SJR : ... Index: EBSCO host Impact Factor:

		2	Title of the Paper: A comparative study of PI and Fuzzy based controllers for DC-DC converter Authors: K. Deepa, R. Jeyanthi & K.S. Amit Kumar Name of the Journal : CiiT international Journal on Programmable Device circuits and systems Month & Year of Publication: March 2010 Volume No: 2 ; Page no: pp	ISSN: 0974 – 973X H Index: ... SJR : ... Index: ... Impact Factor:
		3	Title of the Paper: Image super resolution using marginal distribution prior Authors: S.Ravishankar & K.V.V. Murthy Name of the Journal : International journal of computer science and information security Month & Year of Publication: May 2010 Volume No: 8, No.2 ; Page no: pp	ISSN: 1947-5500 H Index: ... SJR : ... Index: DOAJ Impact Factor:
Department of MEE				
2009-2010	International Journal	1.	Title of the Paper: An extensive analysis of optimal suppliers with better purchasing period for customers in web based material demand aggregation Authors: Tatavarthy Srinivas Rao, Balkrishna Raom, N.V.R Naidu, K. Mallikharjuna Babu Name of the Journal: International Journal of Compiler and electrical engineering. Month and Year of Publication: Feb 2010 Volume No.1 ; Page No. 1793-8163	
Department of EEE				

2009-2010	Inter National Journal	1	Title of the Paper: DSP Based Digital Controller for Shunt Active Power Filter to Improve Power Quality Authors: Ginnes K. John, Sindhu M.R., Manjula G. Nair Name of the Journal: International Journal of Recent Trends in Engineering, Academy publishers, Finland Month and Year of Publication: November 2011 Volume No. ; Page No.	
		2	Title of the Paper: A comparative study of PI&Fuzzy based control for DC DC Converters Authors: K. Deep, R. Jayanthi, K.S. Amith Kumar Name of the Journal: CiiT International Journal Month and Year of Publication: Feb 2010	
Department of Mathematics				
2009-2010	Inter National Journal	1.	Title of the Paper: Symmetric Gauss Legendre Quadrature Rules for Numerical Integration over an Arbitrary Linear Tetrahedra in Euclidean Three Dimensional Space Authors: K.V. Nagaraja, H.T. Rathod Name of the Journal: International Journal of Mathematical Analysis Month and Year of Publication: May 2010 Volume No. 4 ; Page No. 921-928	I.F: 0.22
		2	Title of the Paper: <u>The use of parabolic arc in matching curved boundary by point transformations for sextic order triangular element</u> Authors: K.V. Nagaraja, V. Kesavulu Naidu, H.T. Rathod Name of the Journal: International Journal of Mathematical Analysis Month and Year of Publication: February 2010 Volume No. 4 ; Page No. 357-374	I.F: 0.22

		3	Title of the Paper: Some composite numerical integration schemes for an arbitrary linear convex quadrilateral region Authors: H.T. Rathod, Arunkumar Gali, K.V. Nagaraja, K.T. Shivaram Name of the Journal: International e-Journal of "Numerical Analysis and Related Topics" Month and Year of Publication: March 2010 Volume No. 4 ; Page No. 19-58	I.F: Nil
		4	Title of the Paper: On Quartic Splines with applications to function and integral function approximations Authors: H.T. Rathod, A.S. Hariprasad, B. Venkatesh, C.S. Nagabhushana Name of the Journal: International e-Journal of "Numerical Analysis and Related Topics" Month and Year of Publication: March 2010 Volume No. 4; Page No. 73-103	I.F: Nil
		5	Title of the Paper: The Use of Quintic Splines for High Accuracy Function and Integral Function Approximations Authors: H.T. Rathod, A.S. Hariprasad, B. Venkatesh, C.S. Nagabhushana Name of the Journal: International e-Journal of "Numerical Analysis and Related Topics" Month and Year of Publication: March 2010 Volume No. 4; Page No. 104-128	I.F: Nil
Department of Physics				

2009-2010	International Journal	1.	Title of the Paper: Interfacial stabilization of binary polymer blends through radiation treatment: A free volume approach Authors: J.M. Raj, G.N. Kumaraswamy, C. Ranganathaiah Name of the Journal: Physica Status Solidi (c) Month and Year of Publication: 01/11/2009 Volume No. 6 ; Page No. 11	0.98
Department of EEE				
2009-2010	International Conferences	1	Title of the Paper: AGC of Multi Area Power System Using Hybrid neuro fuzzy controller Authors: P. Subbaraj and K. Manickavasagam Name of the Conference: first International conference on Advances in Energy Conversion Technologies ICAECT-2010 at Manipal Institute of Technology, Manipal, Karnataka Duration of the Conference: 7-10 January 2010 Name of the Organizer, Conference Venue: : Manipal Institute of Technology, Manipal, Karnataka: Page No: Proceedings Published By:	
Department of Mathematics				
			Title of the Paper: <i>Effect of curvature on oscillatory free convection from an solid sphere embedded in a porous medium.</i> Authors: Neetu Srivastava Name of the Conference: RAMSA-2009 Duration of the Conference: Three Days Name of the Organizer: Gayatri Vidya parishad Conference Venue: Vishakhapatnam Page No:311-320 Proceedings Published By: Gayatri Vidya Parishad	
Department of CSE				

2009-2010	International Conference (Proceedings)	1.	Title of the Paper: Network based Intrusion Detection and Prevention Systems in IP-Level Security Protocols Authors: R. Kabila Name of the Conference: International Conference on World Academy of Science, Engineering and Technology Duration of the Conference: December 2008 Name of the Organizer: WASET Conference Venue: Page No: 676-682 Proceedings Published By: Academy of Science: Engineering & Technology, Vol. 48 (Academic Journal)	
Department of ECE				
2009-2010	International Conference (Proceedings)	1.	Title of the Paper: Marks sheet verification Authors: Shriram Balasubrahmanyam, Prashanth Iyer and Ravishankar Name of the Conference: 3rd International Conference on Anti-counterfeiting, Security and Identification in communication. Duration of the Conference: Aug 20-22, 2009 Name of the Organizer: IEEE Communications Society Conference Venue: City University, Hongkong, China Page No: 359-362 Proceedings Published By: IEEE communication society.	

		2.	Title of the Paper: A hardware model for FSBMA in video coding for motion estimation Authors: Ganapathi Hegde, P.R. Vaya, C.R. Prasanna Name of the Conference: ICEDSP – 2009 MIT Manipal, India Duration of the Conference: 10-12 December 2009 Name of the Organizer: MIT Manipal Conference Venue: Manipal , India Page No: 66 Proceedings Published By: Narosa Publishers	
Department of ME				
2009-2010	International Conference (Proceedings)	1.	Title of the Paper: Studies on Forming Of Thin Metal Foils For Bio-Medical Applications Of Shock Waves Authors: Rakesh S.G, Nagaraja S.R. Name of the Conference: International Symposium On Shock Waves (ISSW27) Duration of the Conference: 19th to 24th July-2009 Name of the Organizer: International Shock wave Society Conference Venue: St. Petersburg, Russia	
		2.	Title of the Paper: Micro Blast Wave Assisted Bacterial Cell Transformation Authors: Rakesh S.G. Name of the Conference: International Symposium On Shock Waves (ISSW27) Duration of the Conference: 19th to 24th July-2009 Name of the Organizer: International Shock wave Society Conference Venue: St. Petersburg, Russia	

		3.	Title of the Paper: From Micro-Explosions To Drug Delivery: Emerging Paradigms Of Shock Wave Research. Authors: Rakesh S.G. Name of the Conference: International Symposium On Shock Waves(ISSW27) Duration of the Conference: 19th to 24th July-2009 Name of the Organizer: International Shock Wave Society Conference Venue: St. Petersburg, Russia	
		4.	Title of the Paper: Performance Evaluation of a CI Engine fueled with Biodiesel and vegetable oil blends. Authors: Mr. Vinod M. Kotebavi Name of the Conference: Total Engineering, Analysis & Manufacturing Technologies. Duration of the Conference: 19-11-09 to 21-11-09 Name of the Organizer: Bangalore University. Conference Venue: Jnana Jyothi Auditorium, Bangalore University.	
		5.	Title of the Paper: Lead time reduction in cupellation of the fire assaying process Authors: Mr. Prakash Marimuthu Name of the Conference: Total Engineering, Analysis & Manufacturing Technologies. Duration of the Conference: 19-11-09 to 21-11-09 Name of the Organizer: Bangalore University. Conference Venue: Jnana Jyothi Auditorium, Bangalore University.	
Department of Mathematics				

2009-2010	National Journal	1.	Title of the Paper: Will Sentences Have Divergence Upon Translation? : A Corpus-Evidence Based Solution for Example Based Approach” Authors: Deepa Gupta Name of the Journal: Language in India Month and Year of Publication: October 2009 Volume No. 9 ; Page No. 1930-2940	
Department of ECE				
2009-2010	National Conference	1.	Title of the Paper: Intelligent Multiple Watermarking Technique to Prevent Copy Attack Authors: Shikha Tripathi, Sai Krishnan R., Vijay M. Name of the Conference: National Conference on Virtual & Intelligent Instrumentation (NCVII09) Duration of the Conference: Nov 13-14, 2009 Name of the Organizer: BITS ,Pilani, India Conference Venue: BITS ,Pilani, India	
		2.	Title of the Paper: An efficient algorithm for Routing issues in WDM optical networks Authors: Ramesh T.K. and P.R. Vaya Name of the Conference: NCICT-2010 Duration of the Conference: One day Name of the Organizer: New horizon college of engineering Conference Venue: NHCE, Bengaluru Page No: 43 - 49 Proceedings Published By: NHCE	

		3.	Title of the paper: Traffic classifications in switched Ethernet Authors: Ramesh T.K., Sriram S. and Elango S. Name of the conference: NACTECIT – 2010 Duration of the conference: Two days Name of the organizer: CMR Institute of Technology. Conference venue: CMRIT, Bengaluru. Page No: 39 Proceedings published by: CMRIT	
Department of MEE				
2009-2010	National Conference (Proceedings)	1.	Title of the Paper: Study of performance and emission characteristics of a Diesel Engine fuelled with Bio diesel and vegetable oil blends. Authors: Vinod M. Kotebavi, M.V. Phanibhushana Name of the Conference: Recent Trends in Mechanical engineering-2009 Duration of the Conference: 23rd-to 24th-Nov-2009 Name of the Organizer: Vemana Institute of Technology. Conference Venue: Vemana Institute of Technology, Bangalore.	
Department of ECE				
.2008-2009	International Journal	1	Title of the Paper: Implementation of systolic array architecture for full search block matching algorithm on FPGA Authors: Ganapathi Hegde & P.R. Vaya Name of the Journal : European Journal of scientific research Month & Year of Publication: May 2009 Volume No: 33 Issue 4 ; Page no: 606	ISSN: 1450202X H Index: 12 SJR : 0.21 Index: Scopus
Department of ME				

2008-2009	International Journal	1.	Title of the Paper: An extensive analysis of optimal suppliers with better purchasing period for customers in web based material demand aggregation Authors: Tatavarthy Srinivas Rao, Balkrishna Rao, N.V.R Naidu, K. Mallikharjuna Babu Name of the Journal: International Journal of Compiler and electrical engineering. Month and Year of Publication: Feb 2010 Volume No.1 ; Page No. 1793-8163	
Department of EEE				
2008-2009	InterNational Journal	1	Title of the Paper: " An ANN Controlled Three Phase Auto-tuned Passive Filter for Harmonic and Reactive Power Compensation" Authors: Manjula G. Nair Name of the Conference International Journal of Power Electronics , Korea , May 2009, Name of the Organizer: Conference Venue:Korea Vol9, No.3 ; Page No: pp403-409	
Department of Mathematics				
2008-2009	InterNational Journal	1.	Title of the Paper: The use of parabolic arcs in matching curved boundaries by point transformations for some higher order triangular elements Authors: H.T. Rathod , K.V. Nagaraja, V. Kesavulu Naidu, B. Venkatesudu Name of the Journal: Finite Elements in Analysis and Design Month and Year of Publication: August 2008 Volume No. 44 ; Page No. 920-932	IF:1.57 CI: 3 H Index: 37
Department of EEE				

2008-2009	Inter National Conference Proceedings	1	Title of the Paper: Authors: Sindhu M.R., Manjula G.Nair, & T.N.P. Nambiar Name of the Conference: IEEE Conference, PowerCon Delhi 2008 Duration of the Conference: October 12-15, 2008 Name of the Organizer: IEEE and IEEE-PES Conference Venue: InterContinental The Grand, New Delhi, India Page No: Proceedings Published By: IEEE Power India	
		2	Title of the Paper: A Novel Approach of Autonomous Power Generation Scheme Using Self Excited Induction Generator Authors: K. Manickavasagam, K. Ilango, K.S. Amith Kumar and K.S. Janardhan Name of the Conference: 1st International conference on Energy Engineering and Eco-Balance (ICEEE-2009) Duration of the Conference: 16-18, Feb 2009 Name of the Organizer: Mulshi Institute of Technology and Research (MITR), Pune Conference Venue: Mulshi Institute of Technology and Research (MITR), Pune Page No: CD Proceedings Published By: Mulshi Institute of Technology and Research (MITR), Pune	

Annexure 8

Publications

- Number of papers published in peer reviewed journals (national / international)

Year	No. of International Journals Published						
	CSE	ECE	EEE	ME	Mathematics	Physics	Chemistry
2012 – 2013	3	9	11	3	3	-	4
2011 – 2012	2	8	2	6	1	-	5
2010 – 2011	5	8	1	3	6	-	2
2009 – 2010	-	3	2	1	5	1	-
2008 – 2009	-	1	2	1	1	1	-
Total	10	29	18	14	16	2	11

- Monographs - **Nil**
- Chapters in Books
 - Mr. Murali Mohan R. has co-authored a book titled “**Mechatronics and Microprocessors**” with Prof. Keshava Murthy, Department of Computer Science & Engineering, BIT, Bangalore. It is published by Subhas Publications and can serve as a reference book for VI semester syllabus of Mechanical engineering under VTU.
 - Mr. Ravikumar, faculty in the Department of Mechanical Engineering has co-authored a book titled “**Operations Research**” with Dr. R Veerachamy, Retired Professor in Economics, Bangalore University. The book is an I.K. International publication.
- Edited Books - **Nil**
- Books with ISBN with details of publishers – **Nil**
- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) }
- Citation Index – range / average }
- SNIP }
- SJR }
- Impact Factor – range / average }
- h-index }

} **Details given below**

Department	No. of Papers listed in International Databases	Citation Index – Range / Average	SNIP	SJR	Impact Factor – Range / Average	h-Index
ECE	14	-	-	0.2	0.23 – 0.44 / 0.34	6
EEE	5	-	-	-	0.12 – 0.49 / 0.41	-
CSE	8	-	-	-	0.21 – 1.34 / 0.64	-

ME	8	-	-	-	0.13 – 0.34 / 0.98	-
MATHEMATICS	10	2-3 / 2.5	-	-	0.22 – 1.53 / 0.82	2
PHYSICS	1	-	-	-	0.98	-
CHEMISTRY	8	-	-	-	0.40 – 1.36 / 0.85	-

Annexure 9

Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted by Amrita Institutions

Department of Electronics & Communication Engineering

S N o .	School Name	Depart ment Name	Programme Name	Dates: (DD/M M/YY to DD/M M/YY)	# Atte ndee s**	Location / Venue
2012 - 2013						
Department of ECE						
1	Amrita School of Enginee ring, Bangalo re	Comput er Science & Enginee ring	National workshop on Computer Architecture & High Performance Computing	15/03/2 013 to 16/03/2 013	1	Amrita School of Engineering , Bangalore
Department of Mathematics						
1	ASE, Blore	Mathem atics and English	Advanced Numerical Analysis	23-8- 2012 to 1-3- 2013	4	ASE, Bangalore
2011- 2012						
Department of ECE						
2	Amrita School of Enginee ring, Bangalo re	Electron ics & Commu nication Enginee ring	ISTE Workshop on Basic Electronics	28/06/2 011 to 8/07/20 11	29	Amrita School of Engineering , Bangalore
3	Amrita School of Enginee ring, Bangalo re	Electric al & Electron ics Enginee ring	FDP on Electromagnetic Theory	05/01/2 012 to 07/01/2 012	1	Amrita School of Engineering , Bangalore
4	Amrita School of Enginee ring, Bangalo re	Electron ics & Commu nication Enginee ring	Workshop on Signal Processsing for Biomedical Applications	14/12/2 011 to 17/12/2 011	1	Amrita School of Engineering , Bangalore

	re					
Department of EEE						
1	(ISTE-IITB , sponsored by MHRD, Govt. of India) Amrita School of Engineering, Bangalore campus	EEE	ISTE Workshop on "Solar Photovoltaics: Fundamentals, technologies and Applications"	12/12/2011 to 22/12/2011	6	Bangalore
2	Amrita Vishwa Vidyapeetham, Coimbatore Campus	Center for Excellence in Computational Engineering and Networking, Coimbatore	our day National Workshop on “Sparse Image and Signal Processing (SISP) - 2011”	23/12/2011 to 26/12/2011	1	Coimbatore
3	Amrita School of Engineering, Coimbatore	ECE	FDP on ‘Basic Electronics’	23/12/2011 to 25/12/2011	4	Coimbatore
4	ISTE-IITB(Amrita School of Engineering, Bangalore campus)	Mechanical	ISTE Webinar on ‘Writing Effective Conference Paper’	18/02/2012 to 19/02/2012	2	Bangalore
5	Amrita School of Engineering, Bangalore	CSE	Research Seminar on ‘Computer Vision for Robotics 2012’	24/02/2012 to 25/02/2012	3	Bangalore

6	Texas Instruments India in collaboration with Amrita School of Engineering, Bangalore	EEE	Workshop on "C2000 Microcontrollers for Digital, power and Control Applications"	13/03/2012 to 14/03/2012	12	Bangalore
Department of CSE						
3	ASE, Bangalore	CSE	Computer Organization and Architecture	Dec 2011 to May 2012	8	ASE, Bangalore
Department of ME						
1	IITB Co-ordination with ASEB	Mechanical Engineering Department	Introduction to Research Methodologies	25/06/2012 to 04/07/2012	3	Bangalore
2	IITB Co-ordination with ASEB	Mechanical Engineering Department	Computational Fluid Dynamics	12/06/2012 to 22/06/2012	2	Bangalore
3	IITB Co-ordination with ASEB	Mechanical Engineering Department	Writing Effective Conference Papers	18/02/2012 to 19/02/2012	4	ASE Bangalore
Department of Mathematics						
5	ASE, Blore	Mathematics	Engineering modeling and PDE	27-1-2012 to 5-7-2012	2	ASE, Bangalore
6	ASE, Blore	Mathematics and English	Research Methodologies	18-1-2012 to 31-5-2012	14	ASE, Bangalore
2010-2011						
Department of ECE						
5	Amrita	Business	FDP on active learning	22/01/2	1	Amrita

	School of Business, Bangalore, IIM Ranchi	School		011		School of Business, Bangalore
6	Amrita School of Engineering, Bangalore	Electronics & Communication Engineering	Trends and Developments in Sensors & Instrumentation	08/04/2011 to 09/04/2011	1	Amrita School of Engineering, Bangalore
7	Amrita School of Engineering	ECE	Workshop on "Digital Signal Processing"	05/07/2010 to 15/07/2010	2	Coimbatore
8	Amrita School of Engineering	EEE	FDP on Wind Energy conducted by IETE and C-WET	27/06/2011 to 30/06/2011	2	Coimbatore
9	Amrita School of Engineering	EEE	Workshop on "Question Paper Setting"	09/10/2010	4	Coimbatore
10	Amrita School of Engineering	Coimbatore	Energy Management and IT Application	09/12/2010 to 10/12/2010	2	Coimbatore
11	Amrita School of Engineering	ECE	National seminar on "Trends and developments in sensors and Instrumentation" -TDSI-11	08/04/11 to 09/04/11	3	Bangalore
12	IIT, Mumbai at ASE, Bengaluru	ECE	Two-Week workshop on Basic Electronics through ICT	28/6/2011 to 08/07/2011	5	Bangalore
Department of ME						

1	Amrita School of Business	Department of Civil Engineering	Colloquium for MBA students: Talk on 'Escaping India's Globalised Development Trap'	19 th Jan 2011	10	Amrita School of Business, Bangalore
2	Amrita School of Engineering & Society for Shock Wave Research (India) IISc, Bangalore	Department of Mechanical Engineering	1 st Notational Symposium on Shock Waves- NSSW2011	15/03/2011	18	Amrita School of Engineering
Department of Mathematics						
3	ASE, Blore	Mathematics	Advanced Numerical Analysis	28-7-2010 to 12-1-2011	2	ASE, Bangalore
4	ASE, Blore	Mathematics	Linear Algebra and Applications	15-1-2011 to 11-6-2011	6	ASE, Bangalore
2009 – 2010						
Department of ECE						
NI L						
Department of EEE						
13	Amrita School of Engineering	EEE	Advances in Electrical and Electronics Engineering	07/12/2009 to 11/12/2009	1	Coimbatore
14	Amrita school of Engineering, Bangal	Dept. of EEE	Power Quality Improvement	Semester long FDP for Ph.D. students. 01/07/2009 to	Amrita Bangalore faculty (from EEE and ECE	Bangalore

	ore			15/12/2009	depts). 10	
15	Amrita School of Engineering	EEE	Power System Management	08/05/2010 to 10/05/2010	1	Coimbatore
16	Amrita school of Engineering	EEE	Power System Management	02/06/2010 to 04/06/2010	1	Coimbatore
2008-2009						
Department of ECE						
7	Amrita Vishwa Vidyapeetham	Coimbatore	FDP on Non – Linear Dynamics and Chaos in Engineering	03/12/2008 to 05/12/2008	1	Amrita Vishwa Vidyapeetham
8	Amrita School of Engineering, Bangalore	CSE	FDP on Embedded Systems and DSP	30/06/2008 to 04/07/2008	2	Amrita School of Engineering, Bangalore
Department of CSE						
1.	ASE, Bangalore	CSE	Embedded Systems and DSP	30/06/08 to 04/07/08	34	ASE, Bangalore
2.	ASE, Bangalore	CSE	Finite Element Method	Jan 2009 to April 2009 4 hrs/week	10	ASE, Bangalore
Department of ME						
1.	Amrita School of Engineering, Ettimadai	ME	Product Design For Environment and FACE.	30 th June-2009	2	Coimbatore
Department of Mathematics						
1	ASE, Blore	Mathematics	Optimization Techniques	January 2009 to May 2009	13	ASE, Bangalore
2	ASE,	Mathem	Partial Differential	11-5-	14	ASE,

	Blore	atics	Equations	2009 to 9-9- 2009		Bangalore

Annexure 10

**Participation of Amrita Faculty in Faculty Development Programmes conducted by
Other Institutions**

S l. N o.	Name of Institution organizing the programme	Locatio n	Programme Name / Brief Description	Dates: (DD/MM /YY to DD/MM/ YY)	# Amrit a Facult y Partici pants
2012-13					
Department of ECE					
1	Dayananda Sagar College of Engineering	Bangalor e	Workshop on Industrial Automation with PLC & SCADA Systems	07/02/20 13 to 08/02/20 13	1
2	Cochin University of Science and Technology	Cochin	Workshop on Medical and Industrial Applications of Photonics	27/02/20 13 to 28/02/20 13	1
3	BVB College of Engineering and Technology	Hubli	1 st Industry-Academia Workshop	11/01/20 13 to 12/01/20 13	1
4	Indian Institute of Technology Kharagpur	Kharagp ur	ISTE workshop on Coordinators for Analog Electronics	01/05/20 13 to 05/01/20 13	1
5	CMR Institute of Technology	Bangalor e	Workshop by Cranes Software International Ltd.	23/07/20 12 to 25/07/20 12	1
Department of CSE					
6	Computer Society of India (CSI), Bengaluru	Hotel Lalit Ashok, Bengaluru	Advanced Cloud Computing (CSI- ACC2012)	26/07/12 to 28/07/12	2
7	AVV, Amritapuri	ASE, Amritap uri	International Conference on Security of Internet of Things	17/08/12 to 19/08/12	3
8	ASE, Bangalore	ASE, Bangalor e	NME-ICT certified A-View User	25/08/12	1
9	ASE, Bangalore and Texas Instruments, Bangalore	ASE, Bangalor e	Embedded Software Development on Beaglebone Platform	14/09/12 to 15/09/12	4

10	Infosys, Bangalore	Infosys	Faculty Enablement Program on Business Intelligence and its Applications	19/11/12 to 23/11/12	1
11	IISc, Bangalore	IISc, Bangalore	Winter School 2012	04/12/12 to 07/12/12	1
12	NitteMeenakshi Institute of Technology	Bengaluru	Emerging Trends in Image and Video Processing	21/01/13 to 25/01/13	1
13	SAEINDIA - Bengaluru Section and KPIT Cummins	Hotel Novotel, Bengaluru	TECXPEDITION 2013 - Explore the Unexplored	16/01/13	1
Department of Mathematics					
14	R.V. College of Engineering	Bangalore	Computational Techniques for Research	08/04/2013 to 10/04/2013	1
2011-2012					
Department of ECE					
1	Mepco Schlenk Engineering College	Sivakasi, Tamilnadu	Technical Seminar on Optical Communication Networks	16/09/2011 to 17/09/2011	1
2	R.V. College of Engineering	Bangalore	Workshop on ANSYS High Frequency Simulation Tool	16/05/2012	1
3	PSG College of Technology	Coimbatore	State Estimation & Multisensor Data Fusion for Engineering Applications	10/03/2012	1
4	Karpagam College of Engineering	Coimbatore	PID Controller Design and Advanced Process Control	16/12/2011 to 17/12/2011	1
5	Manipal Institute of Technology	Manipal	Workshop on Linear Algebra and its Engineering Applications	19/08/2011 to 20/08/2011	1
6	Indian Institute of Technology Guwahati	Guwahati	Short-term course on VLSI Architectures for Image and Video Processing Systems	19/09/2011 to 23/09/2011	1
Department of CSE					
7	BMSIT, Bengaluru	BMSIT, Bengaluru	A two-day workshop on "Data Traffic Engineering"	06/07/11 to 07/07/11	2
8	PESIT, Bengaluru	PESIT, Bengaluru	One-day workshop on "HiPCPre-Conference Paper Writing Workshop"	23/07/11	2

9	ASE, Amritapuri	Amrita School of Bio-Technology, Amritapuri.	“Robotics and Haptics” by Prof. Kenneth Sallisberry	21/09/11	2
10	ISOC and INET Society	Taj Vivanta Bengaluru	INET Conference	04/11/11	7
11	ISOC and INET Society	ASE, Bengaluru	Workshop on “Ethical Hacking”	05/11/11 to 06/11/11	1
12	ISOC and INET Society	ASE, Bengaluru	Workshop on “Mobile Application Development”	05/11/11 to 06/11/11	2
13	ISOC and INET Society	ASE, Bengaluru	Workshop on “IPv6”	05/11/11 to 06/11/11	2
14	Amrita Centre for Wireless Networks and Applications (WNA), ASE, Amritapuri	ASE, Amritapuri	International Conference on “Wireless Technologies for Humanitarian Relief” (ACWR2011)	18/12/11 to 21/12/11	3
15	ISTE-IITB workshop, sponsored by MHRD, Govt. of India, under the National Mission on Education through ICT (NMEICT)	ASE, Bengaluru	Webinar on ‘Writing a Conference Paper’	18/02/12 to 19/02/12	1
16	ASE, Bangalore	ASE, Bangalore	Research Seminars on Computer Vision for Robotics	24/02/12 to 25/02/12	3
17	SAP Labs	SAP Labs, Bengaluru	“SAP Faculty Day”	16/03/12	3
18	AMC Engineering College, Bengaluru	AMC Engineering College, Bengaluru	National Conference on “Cloud Computing & Enterprise Networks”	21/03/12 to 22/03/12	1

19	IIT Bombay	ASE, Bengaluru	Two-week ISTE workshop on 'Introduction to Research Methodologies'	25/06/12 to 04/07/12	4
Department of ME					
20	AICTE and MHRD NIT Calicut	Calicut	Advanced numerical and statistical techniques for Engineers	30/05/2011 to 03/06/2011	1
21	NIT Calicut	Calicut	Advances in hybrid energy systems	26/06/11 to 02/07/2011	1
22	MSC India	ITC Gardenia Bangalore	VPD	08/09/2011 to 09/09/2011	2
23	IIT Bombay Mumbai	Mumbai	Five day workshop for coordinators on heat transfer	12/09/2011 to 16/09/2011	1
24	ANSYS India	Bangalore	ANSYS-2011	13/10/2011	2
25	ACCE (India), Bengaluru Center	Bangalore Institute of Technology, Bangalore	Technical Lecture on "Planning, Design and Seismic Shake Table Testing of a Six Storeyed Full Scale Building"	06/12/2011	3
26	IIT Bombay	Powai Mumbai	ISTE-IITB Workshop on CFD for co-ordinators	12/03/2012 to 16/03/2012	1
27	IIT Madras Chennai	Chennai	CDP on Advanced Topics on Modeling of Turbulent Flows	23/03/2012 to 24/03/2012	1
28	RV College of Engineering	Bangalore	PMC for Naval Applications and Electro-deposition Technology	15/05/2012	1
29	KS School of Engineering & Management, Bengaluru	KS School of Engineering & Management, VTU	Two day workshop on 'Research Methodologies & Latex'	01/06/2012	1

30	IIT Bombay Mumbai	Mumbai	Two week ISTE workshop on computational fluid dynamics	12/06/20 12 to 22/06/20 12	2
31	NIT Calicut	Calicut	Characterization Techniques in Nanotechnology	28/06/12 to 04/07/20 12	2
2010-2011					
Department of ECE					
1	Nokia India Ltd.	Bangalore	Forum Nokia Qt for Mobile training	09/02/20 11 to 10/02/20 11	4
2	CMR Institute of Technology	Bangalore	Image Processing Workshop	28/01/20 11 to 29/01/20 11	1
3	KLN College of Engineering	Pottapalayam	FDP on Research issues in Process Control	20/01/20 11 to 21/01/20 11	1
4	Dr. Mahalingam College of Engineering and Technology	Pollachi	Workshop on Process Modelling and Control using MATLAB	18/02/20 11 to 19/02/20 11	1
5	The Kavery Engineering College	Mecheri, Salem	National level Workshop on RESEARCH TOOL – NS2	10/02/20 11 to 11/02/20 11	1
6	Indian Institute of Technology Bombay	Bombay	CEP Workshop for Coordinators' on Basic Electronics	01/03/20 11 to 05/03/20 11	1
7	IIT, Mumbai	Mumbai	Workshop for co-ordinators on "Solar Photovoltaics: Fundamentals, Technologies and Applications"	11/04/20 11 to 15/04/20 11	1
8	PSG College of Technology	Coimbatore	Workshop on "C2000 Microcontrollers"	01/07/20 11 to 02/07/20 11	1
9	SRM University	Chennai	National Workshop on "Hardware Implementation of Power Electronics and Drives"	15/09/20 11 to 16/09/20 11	1

10	IIT, Kharagpur	Kharagpur	Short term course on "VLSI Signal Processing"	21/12/2011 to 25/12/2011	1
11	Xilinx and Sandeepani	Bangalore	'Xilinx Knowledge Summit 2012'	08/02/2012	1
Department of CSE					
12	AICTE –MHRD	National Institute of Technology, Surathkal	“AICTE –MHRD sponsored Summer School on “Cloud Computing and Virtualization”	12/07/10 to 18/07/10	2
13	Infosys	Infosys Campus, Mysore	“Faculty Enablement Programme on “Business Intelligence and its Applications”	12/07/10 to 16/07/10	2
14	Infosys, Bangalore	Infosys	Programming Competition Camp	26/07/10 to 30/07/10	1
15	IBM	IBM Software Executive Briefing Center, Bangalore	‘IBM Web Sphere Day’	27/08/10	1
16	ACM & ASE, Ettimadai	ASE, Ettimadai	ACM Conference on Women in Computing	16/09/10 to 17/09/10	3
17	Wolfram Research	IIIT, Bangalore	Mathematica –India Seminar and Workshop	07/10/10	1
18	IIT, Bombay	IIT, Bombay	5 day workshop on Database Management Systems	19/10/10 to 23/10/10	1
19	VIT, Chennai	VIT, Chennai	National level workshop on ‘Network Simulator 2’	12/02/11	1
20	ASE, Bangalore	ASE, Bangalore	National Seminar on “Trends and Developments in Sensors and Instrumentation” (TDSI – 11)	08/04/11 to 09/04/11	4
Department of ME					

21	Shirdi Sai Engg. College Anekal, Bangalore	Shirdi Sai Engg. College Anekal, Bangalore	Micro Fabrication and Nano Technology	23 rd to 25 th Sep 2010	1
22	RRCE Bangalore	RRCE Bangalore	Mechatronics	21 st Oct 2010	1
23	BMS College of Engineering, Bangalore	BMS College of Engineering, Bangalore	Development of Geopolymer Concrete	28 th Dec 2010	1
24	COMSOL Multiphysics	Bangalore	Structural Analysis of COMSOL Multiphysics (software)	21 st Jan 2011	2
25	Department of Applied Mechanics, IIT Madras	IIT Madras, Chennai	Short Term Training Programme on "Introduction to Turbulent Flows and their Prediction"	19 th to 23 rd March 2011	1
26	Karnataka Geo Technical Centre	IISc, Bengaluru	Talk on 'Soil beyond Mechanics'	1 st April 2011	1
27	Department of Mathematics, BMSIT, Bengaluru	BMSIT, Bengaluru	One-day workshop on 'Mathematical Modeling and its applications'	13 th April 2011	2
28	National Institute OF Technology, Calicut	National Institute OF Technology, Calicut	AICTE-MHRD sponsored Faculty Development Program on "Advanced Numerical and Statistical Techniques for Engineers"	30 th May to 03 rd June 2011	1
29	Department of Mechanical Engineering, NITK in association with CMTI	National Institute of Technology, Surathkal	MHRD/AICTE Sponsored Short Term training Programme on "Advances in Manufacturing and Precision Engineering"	20 th to 24 th June 2011	1
30	Indian Institute of Science, Bengaluru	Indian Institute of Science, Bengaluru	Indo-US Workshop on "Bio fuel Combustion and sprays"	22 nd to 23 rd June 2011	1

31	National Institute of Technology, Calicut	National Institute of Technology, Calicut	MHRD and AICTE sponsored FDP on “Advances in Hybrid Energy Systems”	26 th June to 2 nd July 2011	1
32	MTAB India Pvt.Ltd, Chennai	MTAB India Pvt.Ltd, Chennai	Training program on CNC machines (XLTURN, XLMILL and ARISTO ROBOT)	24 th to 26 th May 2011	3
Department of ME					
33	Amrita Vishwa Vidyapeetham,	Amrita University, Coimbatore	Workshop on “Environmental issues – Towards Sustainable Future”	13/07/2010 to 15/07/2010	2
34	Amrita Vishwa Vidyapeetham, Coimbatore	Amrita School of Engineering, Bangalore	Workshop on “Virtual Labs”	18/02/2011	7
2009 – 2010					
Department of CSE					
1	CDAC, Thiruvananthapuram and Anna University Chennai	Chennai	Tutorial on Advanced Automation and Seminar on Automation Systems Technology	18/12/2009 to 19/12/2009	1
2	Indian Institute of Technology Bombay	Bombay	ISTE Workshop on Effective teaching/learning of Computer Programming	14/12/2009 to 24/12/2009	2
3	National Institute of Technology Calicut	Calicut	FDP on LabVIEW & Applications	13/06/2010 to 19/06/2010	3
4	VIT University	Vellore	FPGA based system design using Altera Tools	05/09/2009	1
5	National Engineering College	Kovilpatti	Staff Development Programme on Fiber Based and Wireless Optical Networks	07/12/2009 to 19/12/2009	1
6	Indian Institute of Technology Madras	Madras	Short Term Training Programme on Optical Engineering: From Devices to Networking	23/11/2009 to 28/11/2009	1

7	PES School of Engineering	Bangalore	Certificate course on Foundation of Image Processing and Pattern Recognition	13/07/2009 to 22/07/2009	1
Department of CSE					
8	Indo US Faculty Leadership Institute (IUCEE 2009)	Infosys, Mysore	Advanced Lab View II Workshop	06/07/09 to 10/07/09	1
9	Axiom ETC, Ettimadai	ASE, Ettimadai	Windows Embedded Training - featuring the Windows CE 6.0 Embedded SP2	06/07/09 to 11/07/09	2
10	Axiom ETC, Ettimadai	ASE, Ettimadai	Windows Embedded Training - featuring the Dot Net Micro Framework Embedded SP2	12/07/09 to 13/07/09	2
11		Hotel Le-Meridian, Bangalore	MATLAB & SIMULINK for Engineering Education	15/07/09	1
12	IBM	Hotel Leela Palace	Rational Software	12/08/09 to 13/08/09	3
13	Wipro	PESCE, Bangalore	Advanced Workshop Wipro Mission 10x	27/08/09 to 28/08/09	1
14	Project Management Institute, Bangalore Chapter	NIMHANS Convention Hall	Project Management Ethics	10/09/09	1
15	CDEEP, IIT Bombay	IIT Bombay	Effective Teaching/Learning of Computer Programming	29/09/09 to 03/10/09	1
16	Tata ELXSI, Bangalore	Tata ELXSI, Bangalore	Techniques to Improve class room training	03/10/09	1
17	IISC, Bangalore	IISC, Bangalore	Leveraging Innovations for Knowledge Economy	19/11/09 to 20/11/09	1
18	Cisco	Singapore	Cisco Asia Pacific Academy Council Meeting	09/12/09 to 11/12/09	1
19	R V College of Engineering	Bangalore	National Conference on Computing, Communication and Technology	22/01/10 to 23/01/10	1

20	CTS, Bangalore	Bangalore	FDP on 'Eclipse IDE'	29/06/10 to 30/06/10	1
21	ASE, Bangalore	Bangalore	Effective Teaching/Learning of Computer Programming	28/06/10 to 10/07/10	2
Department of ME					
22	Indian Institute of Technology	Chennai	Short term course on finite element modeling of reinforced Concrete Structures.	12 th oct-2009 to 16 th Oct 2009	1
23	PESIT Bangalore	Bangalore	FDP on Advance in Material Technology	June 2010	1
24	DBIT Bangalore	Bangalore	Nanotechnology	29 th April 2010 to 31 st April 2010	3
25	Bosch Training Center	Bangalore	Advanced diesel Fuel Injection System	13 th May 2010	2
Department of Mathematics					
26	CMR Institute of Technology	Bangalore	Advanced Graph Theory in Engineering	31-7-2009 to 1-8-2009	2
27	R.L. Jalappa Institute of Technology	Doddaballapur	An FDP on Recent Trends in Fluid Mechanics and its Applications	23/08/2010	1
2008-2009					
Department of ECE					
1	Dale Carnegie Training and Wipro	Bangalore	Workshop on High Impact Teaching Skills	18/05/2009 to 19/05/2009	2
2	PES School of Engineering	Bangalore	Mission 10X Workshop	18/05/2009 to 22/05/2009	1
Department of EEE					
3	Centre for Pattern Recognition and Department of Information Science and Engineering	PESSE, Bangalore	Foundations of Image Processing and Pattern Recognition	13/07/2009 to 22/07/2009	1
4	Wipro Technologies	PESSE, Bangalore	Mission 10X	27/08/2009 to 28/08/2009	1
5	UTL Technologies	Bangalore	Design of Embedded Systems using ARM	03/09/2009	1

6	National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh	Department of Rural Development	MHRD –AICTE Sponsored Winter School on “Renewable Energy Sources”	02/02/2009 To 06/02/2009	1
7	National Institute of Technology, Calicut (NITC)	Calicut	MHRD-AICTE Sponsored Faculty Development Programme on “FACTS and Custom Power Controllers for Quality Enhancement of Deregulated Power Systems”	18/05/2009 To 29/05/2009	1
8	Central Power Research Institute (CPRI)	Bangalore	IEEE Two day Workshop on “Large Scale Integration of Wind Energy into the Grid”	20/02/2009 To 21/02/2009	1
Department of CSE					
9	ASE, Ettimadai	ASE, Ettimadai	FDP on Cultural Education	28/11/08 to 30/11/08	1
10	Infosys, Mysore	Infosys, Mysore	Campus Connect Faculty Enablement Program	18/01/09 to 31/01/09	2
11	ASE, Ettimadai	ASE, Ettimadai	Course on CCNP	02/06/09	1
12	IETE, Bangalore	IETE, Bangalore	Workshop on Embedded Systems	01/02/09 to 30/03/09	2
13		Bangalore	Technology Open House	25/04/09	1
14	Wipro, Bangalore	PES School of Engg., Bangalore	Wipro-Mission 10X Faculty Workshop	18/05/09 to 22/05/09	2
15	Cisco	Bangalore	SAARC Academy Meet	29/05/09	2
16	Axiom ETC, Ettimadai	ASE, Ettimadai	Windows XP Embedded Training with SP2 feature pack	22/06/09 to 24/06/09	1
17	Infosys	Infosys Campus, Mysore	Deep Dive Faculty Enablement Program on Information Technology Essentials	22/06/09 to 26/06/09	2

Student projects

- **Percentage of students who have done in-house projects including inter-departmental projects**

Year	%			
	ECE	EEE	CSE	ME
2012 – 2013	84	100	65	-
2011 – 2012	92	100	65	-
2010 – 2011	97	100	65	100
2009 – 2010	68	100	65	86
2008 – 2009	-	69	65	58

- **percentage of students doing projects in collaboration with other universities / industry / institute**

Year	%			
	ECE	EEE	CSE	ME
2012 – 2013	16	-	35	-
2011 – 2012	8	19	35	-
2010 – 2011	2.9	-	35	-
2009 – 2010	32	-	35	15
2008 – 2009	-	40	35	42

Annexure 12

Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Department of Electronics & Communication Engineering

S. N o.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM /YY to DD/MM/ YY)	Number of Participants		Source of Funding	Seminar / Workshop Outcome
2012 – 2013						
Department of ECE						
1	Trends & Developments in Signal Processing & its Applications (TDSPA-13)	27/04/13 to 28/04/13	Local Within State Outside State	23 1 1	Cranes Software International Limited, Bengaluru.	Major trends and development of signal processing & its applications were shared by the experts with the participants.
Department of CSE						
2	Embedded Software Development on Beaglebone Platform	14/09/12 to 15/09/12	Local Within State Outside State	4 11 10	ASE, Bengaluru, Texas Instruments , Bangalore and IEEE CAS	Focus on Beaglebone usage for teachers/trainers
3	ACM-ICPC 2012, Asia Amritapuri Multisite Regionals	19/12/12 to 20/12/12	Local Within State Outside State	2 68 -	Amrita VishwaVid yapeetham	3 teams selected for ICPC world final
4	National Level workshop on Computer Architecture and High Performance Computing (CAHPC 2013)	15/03/13 to 16/03/13	Local Within State Outside State	15 9 9	nVidiapvt. Ltd. And ASE, Bengaluru	Focus on Computer System Architecture concepts
Department of ME						
5	Two Week ISTE on Engineering Thermodynami cs, (In Collaboration with IIT Bombay)		Local Within State Outside State	16 2 -	ISTE / MHRD	

6	Workshop on “Aakash for Education” (In Collaboration with IIT Bombay)	10/11/2012 to 11/11/2012	Local Within State Outside State	24 - -	ISTE / MHRD	
7	National A-VIEW Training Programme (In Collaboration with IIT Bombay)	25/08/2012 to 25/08/2012	Local Within State Outside State	25 5 -	ISTE / MHRD	
8	Two Week ISTE Workshop on Introduction to Research methodologies (In Collaboration with IIT Bombay)	25/06/2012 to 04/07/2012	Local Within State Outside State	25 8 1	ISTE / MHRD	
2011 - 2012						
Department of ECE						
1	2-week ISTE workshop on Basic Electronics/ Department Of Electrical Engg., IIT, Bombay	28/06/2011 to 08/07/2011	Local Within state Outside state	2 3 4 5	Department of Electrical Engg., IIT, Bombay.	Imparting knowledge of Electronics on a larger scale and at a faster rate. Matter/Video/Presentations are available to all at no cost. Helping maximum number of students, teachers and working professionals learn Electronics & implement them in real life. Empower students and teachers in engineering colleges on a large scale. Impart new teaching methods. Teach centres as per the common syllabus. Encourage teachers to contribute learning material. Publish contents in open source on portal.
Department of EEE						

2	Two weeks ISTE workshop on “Solar Photovoltaic - Fundamentals, Technologies and Application” Department of EEE	12/12/2011 to 22/12/2011	Local Within State Outside India	965	MHRD	Training for faculty to understand the fundamentals and applications of solar photovoltaic systems.
3	Workshop on "Texas Instruments C2000 microcontrollers for Digital, Power and Control Applications	13/03/2012 to 14/03/2012	Local Within State Outside State	1642	Amrita School of Engineering, Bangalore	C2000 series programming skills
Department of CSE						
4	A national seminar on “Data Mining and Knowledge Discovery in Medical Data”	28/07/2011 to 29/07/2011	Local Within State Outside State	301131	Indian Medical Council & ASE, Bengaluru	Focus on the Research areas in medical data
5	National Level Research Seminar on ‘Computer Vision for Robotics (CVR 2012)’	24/02/2012 to 25/02/2012	Local Within State Outside State	6632	National Instruments, Bengaluru & ASE, Bengaluru	Focus on the research areas in Vision and Robotics
Department of ME						
6	Computational Fluid Dynamics (In Collaboration with IIT Bombay)		Local Within State Outside State	2031	ISTE / MHRD	
7	Two days ISTE workshop on “Writing Effective Conference papers”, (In Collaboration with IIT Bombay)	18/02/2012 to 19/02/2012	Local Within State Outside State	25- -	ISTE / MHRD	
2010 – 2011						

Department of ECE						
1	Trends and developments in sensors and Instrumentation - TDSI-11/Department Of ECE,ASE,Bengaluru	08/04/11	Local	34	Department of ECE, ASE ,Bengaluru.	This seminar proposes to address some of the latest trends and developments in sensors and instrumentation in general also specific to some important areas like space, aeronautical, automobile, biomedical etc. This seminar also aims to focus on current research issues in the field of sensors and instrumentation.
Department of CSE						
2	ISTE Workshop on Database Management Systems	13/12/2010 to 23/12/2010	Local Within State Outside State	291	IIT Bombay, Mumbai	Effective Teaching Methods for DBMS
Department of Mathematics						
3	National Workshop on ‘Analytical and Numerical Solutions of Non-Linear Differential Equations-ANSNDE-2011’	18/3/2011 To 19/3/2011	Local Within State Outside State	-4634	Amrita School of Engineering, Bangalore	Two eminent invited speakers delivered invited talks which greatly benefitted the participants. A hands-on workshop on MATLAB was also conducted which helped the participants to gain an insight into the basics of MATLAB
2009 - 2010						
Department of CSE						
1	“Effective Teaching Learning of Computer Programming” hosted by CSE Dept., ASE, Bangalore, conducted by IIT, Bombay	14/12/09 to 24/12/09	Local Within State Outside State	26-	IIT Bombay, Mumbai	Effective Teaching Methods for Computer Programming

2	ISTE Workshop on Effective Teaching/ Learning of Computer Programming	28/06/20 10 to 10/07/20 10	Local Within State Outsid e State	5 8 -	IIT Bombay, Mumbai	Effective Teaching Methods for Computer Programming
Department of ME						
3	1 st National Symposium on Shock Waves- NSSW2011	15/03/20 11 to 15/03/20 11	Local Within State Outsid e State	40 35 10	Amrita School of Engineeri ng & Society for Shock Wave Research (India) IISc, Bangalore ,	

Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
<u>Department of ECE</u> - B.Tech. in ECE - B.Tech. in EIE - M. Tech. in VLSI Design - Ph.D.					
<u>Department of EEE</u> - B.Tech. in EEE - M.Tech. in Power Electronics - Ph.D.					
<u>Department of CSE</u> - B.Tech. in CSE - M.Tech. in Embedded Systems - M.Tech. in Computer Science & Engineering - Ph.D.					
<u>Department of ME</u> - B.Tech. in ME - M.Tech. in Thermal Science & Energy Systems - Ph.D.					
Department of Mathematics - Ph.D.					
Department of Physics - Ph.D.					
Department of Chemistry - Ph.D.					

Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
<u>Department of ECE</u> - B.Tech. in ECE - B.Tech. in EIE - M. Tech. in VLSI Design - Ph.D.				
<u>Department of EEE</u> - B.Tech. in EEE - M.Tech. in Power Electronics - Ph.D.				
<u>Department of CSE</u> - B.Tech. in CSE - M.Tech. in Embedded Systems - M.Tech. in Computer Science & Engineering - Ph.D.				
<u>Department of ME</u> - B.Tech. in ME - M.Tech. in Thermal Science & Energy Systems - Ph.D.				
Department of mathematics - Ph.D.				
Department of Physics - Ph.D.				
Department of Chemistry - Ph.D.				

Annexure 15

For passed out students who got the NET/SLET/GATE etc results during the report period

S. No.	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SLET qualified	# qualified in other exams
	<u>ECE</u> 2012-2013 2011-2012 2010-2011 2009-2010 2008-2009	- - - - -	- 4 5	17 15 8	2 6 4	- - -	- - 2
	<u>EEE</u> 2012-2013 2011-2012 2010-2011 2009-2010 2008-2009		5 14 - 1 -	5 - - - 2	- 4 - - -	- - - - -	1 (CDS) - - - -
	<u>CSE</u> 2012-2013 2011-2012 2010-2011 2009-2010 2008-2009						
	<u>ME</u> 2012-2013 2011-2012 2010-2011 2009-2010 2008-2009						

Annexure 16

Student progression

Student progression	ECE	EEE	CSE	ME
UG to PG	4	1	-	-
PG to M.Phil.	-	-	-	-
PG to Ph.D.	1	1	-	-
Ph.D. to Post-Doctoral	-	-	-	-
Employed • Campus selection • Other than campus recruitment			90-100%	
Entrepreneurs	-	-	-	-

Annexure 17

Diversity of staff

Percentage of faculty who are graduates	EC E	EEE	CSE	M E	Mathematics	Physics	Chemistry	English
of the same university	1	4	5	1	-	-	-	-
from other universities within the State	10	3	5	17	7	4	4	2
from universities from other States	28	14	20	5	4	1	3	3
from universities outside the country	-	-	4	-	-	-	-	-

Annexure 18

69. Present details of departmental infrastructural facilities with regard to –

- a) Library
- b) Internet facilities for staff and students
- c) Total number of class rooms -
- d) Class rooms with ICT facility -
- e) Students' laboratories - details given below
- f) Research laboratories -

S. No.	Details	EC E	EE E	CSE	M E	Mathematics	Physics	Chemistry	English
1	Library	The central Library of Bengaluru Campus serves students and faculty by providing reading material – both printed and non-printed - and access to the Web, online journals, online books, reference books and digital libraries. In addition to central library, The departmental Library has the text or reference books along with UG and PG project reports which serves both students and staff.							
		110	130	86					
2	Internet Facilities for Staff and Students	The campus has a 2.8 Mbps internet connectivity which includes one 2 Mbps leased line, one 512 Kbps and one 256 Kbps broad band and one 128 Kbps ISDN connections. All staff computers are provided with internet facility. There are exclusive internet labs for students in all the departments.							
	Total Number of Class Rooms	14	6	7	4				
	Class Rooms with ICT Facility	13	6	5	4				
	Students' Laboratories	Detailed below							
	Research Laboratories	-	1	1	-	-	-	-	-

Students Laboratories

Department of ECE

- Communication Lab
- Digital Design Lab
- Microprocessor & Microcontroller Lab
- Microwave Lab
- Instrumentation Lab
- Electronics Workshop Lab
- M.Tech. VLSI Design Lab

The facilities available in the above labs are as follows:

COMMUNICATION LAB

In this lab, experiments for Electronic Circuits lab, Communication Design lab and Digital Communication lab are carried out. Electronic Circuits experiments are designed to understand the working principles of the electronic devices. It also gives the basic idea for the analysis and design of electronic circuits like clipper, clamper, amplifiers, oscillators, multivibrators etc.

Communication Design lab involves the detailed analysis of analog and digital communication techniques like AM, FM, ASK, FSK, DM, ADM, etc. Students are also exposed to the different multiplexing techniques like TDM and FDM.

DIGITAL DESIGN LAB

This lab is well equipped with equipment like digital trainer kits, IC testers, power supplies, CROs, bread boards etc. The lab has fifteen benches with the trainer kits where experiments are carried out. The various experiments consist of implementation of the logic gates and various combinational and sequential circuits.

MICROPROCESSOR & MICROCONTROLLER LAB

In this lab, experiments for Microprocessor and Microcontroller lab, VLSI Design lab, Signals & Systems lab and Digital Signal Processing lab are carried out. In this lab, 34 server connected computers are available.

MASM tool is used for conducting 8086 Microprocessor experiments. MPLAB, WINPIC800 tools are available to conduct the various Interfacing experiments for PIC microcontroller. Hardware Kits for performing hardware related experiments on PIC, 8085, 8086, 8051 are available. Also the programmer hardware are provided for downloading the program to Microcontrollers.

For VLSI Design lab, Microwind tool is available to simulate the CMOS schematics and layout designs for various digital functions. Also, the Modelsim tool is used to do the hardware programming using VHDL or VERILOG.

For Signals & Systems and Digital Signal Processing experiments various facilities like 10 TMS 68xx DSP boards, add on cards for interfacing application, Matlab 6.5 with full version, simulink tools are provided.

With these resources a batch of 30 to 34 students, do experiments on various signal processing problems such as signal generation, different operations on signals, different transforms, filter design, speech processing, image processing etc. Students also use these facilities for their various project works.

MICROWAVE LAB

Microwave Lab consists of various

- Microwave Sources such as Gunn Diode and Reflex Klystron Oscillator
- Discrete X-Band Waveguide components such as Directional Coupler, Magic Tee, Variable attenuator, Detector and Matched termination
- Ferrite Components such as isolator and Circulator
- Microwave Measuring devices such as Slotted line Section, VSWR meter and Frequency meter.
- Microwave antennas such as parabolic dish and Horn antenna.

All these sources and components operates in the frequency range of 8-12GHz

In this Lab students are given hands-on experience on setting up the microwave bench for studying the characteristics of microwave sources, scattering parameters of microwave components and radiation pattern of microwave antennas. This Lab fills the gap between theory and experimental techniques. Students will also get exposure to the use of microwave test equipment for making measurements of frequency, VSWR, S-parameters, impedance and guide wavelength.

INSTRUMENTATION LAB

Instrumentation Lab provides the required facilities to conduct Measurements and Control Systems Lab and Process Control and Advanced Control Systems Lab. The

Lab is well equipped with 15 working tables each having the necessary equipment in it.

In Measurements and Control Systems Lab, the students are introduced to various sensors for measuring the instrumentation parameters like pressure, temperature, current, level, displacement etc. They also study the response of filters, lag, lead, lead-lag networks.

In Process Control and Advanced Control Systems Lab, the students study the controlling techniques for controlling the instrumentation parameters like temperature, pressure, flow and level. They also study the characteristics of different control valves, closed loop response of first order and second order systems. In addition they also study the simulation for tuning the PID Controllers with MATLAB SIMULINK.

In this lab, students have the opportunity to have experimental understanding of sensors and controls along with their various practical applications.

ELECTRONICS WORKSHOP LAB

This lab is for I and II semester students to get familiarize with the basic active and passive electronic components, various measuring instruments and to get an understanding of basics about the 8085 microprocessor programming using the hardware kit. The lab is equipped with measuring instruments like CROs, multi meters, function generators, power supplies and microprocessor kits.

M.TECH. VLSI DESIGN LAB

In this lab, students are given exposure to various design methodologies to module the circuits using VHDL and Verilog HDL. They are trained to verify and analyze the design using simulation tool (Modelsim 6.3) and synthesized using Xilinx 10.1 ISE foundation where the design is converted to Net-List. The program is verified practically by implementing it on FPGA (Field Programmable Gate Array) like Spartran-2E, Spartran -3 XC3S500K and CPLD (Complex Programmable Logic Device) like Cool Runner. The laboratory has 25 licensed computer terminals are available for carrying out the above mentioned experiments. The same lab is also used for carrying out Final year projects by some of the students.

Department of ECE

- Electrical Machines Lab
- Electrical Measurements Lab
- Electric Circuits Lab
- Power Electronics Lab
- Electrical Workshop

Department of CSE

- 4 labs with 34 machines each

Department of ME

- 13 Labs for the students

List of doctoral, post-doctoral students and Research Associates-

Department of ECE

a) From the host Institution / University

Sl. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1	Mr. S. Ravishankar	M.Tech. (Industrial Electronics)	Karnataka Regional Engineering College, Mangalore University	ECE/ Amrita School of Engineering / Bangalore / Amrita Vishwa Vidyapeetham	Guide: Dr. Shikha Tripathi , Professor, Amrita School of Engineering , Bangalore, Amrita Vishwa Vidyapeetham Co-Guide: Dr. K.V.V. Murthy , IIT, Gandhinagar, Gujarat	Single Frame Image Super Resolution Some New Approaches / Image Super Resolution
2	Mr. Ramesh T.K. (February 2008 - August 2012)	MS (Electronics and Control Engineering)	BITS, Pilani	ECE/ Amrita School of Engineering / Bangalore / Amrita Vishwa Vidyapeetham	Dr. P. R. Vaya , Professor, Amrita School of Engineering , Bangalore, Amrita Vishwa Vidyapeetham	RWA Protocols for WDM Networks / Optical Networks

3	Ganapathi Hegde	M.Tech (Digital Electronics)	V.T.U, Belgaum	ECE/ Amrita School of Engineering / Bangalore / Amrita Vishwa Vidyapeetham	Dr. P. R. Vaya , Professor, Amrita School of Engineering , Bangalore, Amrita Vishwa Vidyapeetham	Low Power VLSI Architectures for Video Coding
4	Mr. R Karthikeyan	ME (Computer Science and Engineering)	Manonmaniam Sundaranar University	ECE/ Amrita School of Engineering / Bangalore / Amrita Vishwa Vidyapeetham	Guide: Dr. Shikha Tripathi , Professor, Amrita School of Engineering , Bangalore, Amrita Vishwa Vidyapeetham Co-Guide: Dr. K.V.V. Murthy , IIT, Gandhinagar, Gujarat	Parallel Cascade Control Using Intelligent Techniques / Control Systems
5	Mr. Giriraja C.V.	ME-Power electronics	Bangalore University	ECE/ Amrita School of Engineering / Bangalore / Amrita Vishwa Vidyapeetham	Dr. P R Vaya Professor, Amrita School of Engineering , Bangalore Amrita Vishwa Vidyapeetham	Photonics

6	Ms. Ponni M.	M.Tech. (VLSI Design)	Amrita Vishwa Vidyapeetham	ECE/ Amrita School of Engineering / Bangalore / Amrita Vshwa Vidyapeetham	Dr. P R Vaya Professor, Amrita School of Engineering , Bangalore Amrita Vshwa Vidyapeetham	Solid State Devices

Department of EEE

a) from the host Institution / University

Sl. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	Mamatha I	M. Tech. (VLSI Design)		ECE/ Amrita School of Engineering , Bengaluru	Dr. Shikha Tripathi, Professor & Chair, Dept. of ECE, Amrita School of Engineering, Bengaluru	Reconfigurable Architecture for Multiple Transforms for Signal Processing Applications/ VLSI Signal
2.	Sreeja Kochuvila	M. Tech. (Instrumentation and Control)	Regional Engineering College (now NIT), Calicut	Department of Electronics & Communication , Amrita School of Engineering , Bengaluru	Dr. Shikha Tripathi Professor & Chair Amrita School of Engineering, Bengaluru	A few Techniques to navigate uneven surfaces by Biped Robot/ Area: Robotics & Image Processing
3.	Ilango. K	M.E. (Power Systems)	PSG College of Technology, Coimbatore Anna	EEE Department / Amrita School of	Dr.Manjula G Nair, Professor	Renewable Energy Power Quality

			University, Chennai, TamilNadu	Engineering / Bangalore Campus	Amrita School of Engineerin g, Amrita University, Bangalore Campus	Analysis

b) from other Institutions/Universities

Sl. No	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for Ph.D. (Dept / School / Campus)	Name, Designation , & Institution of Ph.D. Guide	Research Topic / Area
1	Deepa K	M.E. (Power Electronics & Drives)	College of Engineering, Guindy, Anna University	Dept. of Electrical Engineering, JNTU, Ananthapur	Dr. M. Vijaya Kumar, Professor, Dept. of EE, JNTU, Ananthapur	Resonant Converters
2	Mini Suijith	M.Tech. (Power Electronics)	R.V. College of Engineering, Visvesvaraya Technological University	VTU, Karnataka	Dr.Dinesh M.N and Dr. B. Hari Ram Selvamurugan Satheesh	Electrical Drives

Department of CSE

a) From the host Institution / University

Sl. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campu s)	Name, Designation, & Institution of PhD Guide	Research Topic / Area

1	Santhanalakshmi S.	B.E. (CSE)	Amrita Institute of Technology and Science / Bharathiyar University	ASE, Bangalore	Dr. Sangeeta K., Asso. Prof., CSE Dept., ASE, Bangalore Dr. G.K. Patra, Scientist, CMMACS, Bangalore	Cryptographic Protocols
2	Supriya M.	M.Tech. (CSE)	Dr. MGR Educational Research Institute/ Dr. MGR University	ASE, Bangalore	Dr. Sangeeta K., Asso. Prof., CSE Dept., ASE, Bangalore Dr. G.K. Patra, Scientist, CMMACS, Bangalore	Trust Management in Distributed Systems
3	B. Uma Maheswari	M.E. - CSE	Karunya University	ASE, Bangalore	Dr. T.S.B. Sudarshan, Chairman, CSE Dept., ASE, Bangalore	Overlay Based Hybrid Live Multimedia Streaming
4	Suja P.	M.E - Computer Vision and Image Processing	Amrita University	ASE, Bangalore	Dr. Shikha Tripathi, ECE Dept., ASE, Bangalore	Emotion Recognition from Facial Expressions

5	Radhakrishnan G.	M.E - CSA	IISc, Bangalore	ASE, Bengaluru	Dr. T.S.B. Sudarshan , Chairman , CSE Dept., Dr. Deepa Gupta, Asst. Prof. , Maths Dept., ASE, Bangalore	Data Mining Techniques for Robotic Data
6	Rajesh M.	M.Tech - CSE	RV College of Engineering, VTU	ASE, Bengaluru	Dr. T.S.B. Sudarshan , Chairman , CSE Dept., ASE, Bangalore	Effective Localization and Communication of Automobile Robot
7	Nippun Kumaar A.A.	M.Tech - ES	ASE, Bengaluru	ASE, Bengaluru	Dr. T.S.B. Sudarshan , Chairman , CSE Dept., ASE, Bangalore	Navigation Techniques for Mobile Service Robot
8	Bhargavi Upadhyay	M.Tech. - ES	ASE, Bengaluru	ASE, Bengaluru	Dr. T.S.B. Sudarshan , Chairman , CSE Dept., ASE, Bangalore	Multicore Architecture
9	Meena Belwal	M.Tech. – CSE	CDAC – Noida, Guru Govind Singh Indraprastha University	ASE, Bengaluru	Dr. T.S.B. Sudarshan , Chairman , CSE Dept., ASE, Bangalore	Compiler Optimization for heterogeneous Multi-core embedded systems

10	Juhi R. Srivastava	M.Tech.-Scientific Computing	BIT, Mesra	ASE, Bengaluru	Dr. T.S.B. Sudarshan , Chairman, CSE Dept., ASE, Bangalore	Cache Optimization in Sensor Networks
11	Akanchha Mishra	M.Tech. - CSE	RCET, Swami Vivekanandha University	ASE, Bengaluru	Dr. T.S.B. Sudarshan , Chairman, CSE Dept., ASE, Bangalore	Data Stream Mining Techniques
12	A. Anasuya Threse Innocent	M.Tech. - CSE	-	ASE, Bengaluru	Dr. Sangeeta K., Asso. Prof., CSE Dept., ASE, Bangalore	Efficient Secure Multiparty Computation
13	Swati Pandurang Karande	M.Phil.	-	ASE, Bengaluru	Dr. Deepa Gupta, Asst. Prof., Maths Dept., ASE, Bangalore	Challenge in Sentiment Analysis
14	Vani K.	M.Tech. – CSE	-	ASE, Bengaluru	Dr. Deepa Gupta, Asst. Prof., Maths Dept., ASE, Bangalore	Data Mining
15	Nilima Kulkarni	M.Tech - CSE	MGMCE, SRT Marathawade University, Nanded	ASE, Bengaluru	Dr. Amudha J., Asso. Prof., CSE Dept., ASE, Bangalore	Investigation of Visual attention theories and models for medical diagnosis

Department of ME

a) From the host Institution / University

Sl.	Name	Previous	Name of the	Institutio	Name,	Research

No .	of the Research Scholar	Highest UG/PG Degree with Specialization	College/University (Previous Degree)	n where registered for PhD (Dept / School / Campus)	Designation, & Institution of PhD Guide	Topic / Area
1	Shali S.	M. Tech. (Offshore Structures)	NIT Calicut	Mechanical Engg/ASE / Bangalore	Dr S R Nagaraja / Professor / ASE Bangalore, Dr Jafarali P / Lead Engineer/ GE Bangalore	Characteristics of Nonlocal Beams using approximate methods
2	Gopi S.	M. Tech. (Engineering Management)	Manipal University	Mechanical Engineering/ ASE /Bangalore	Dr. Srinivas Rao / Associate Professor / ASE / Bangalore	Reverse Logistics Management / Supply Chain Management

Department of Mathematics

a) From the host Institution / University

S l . No .	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College / University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1	V. Kesavulu Naidu	M.Sc Mathematics	Central College , Bangalore	Mathematics/ ASE,Bangalore	Dr.K.V Nagaraja /ASE, Bangalore	Isoparametric Transformations for curved elements,FEM
2	Sarada Jayan	M.Sc Mathematics	IIT, Madras	Mathematics/ ASE,Bangalore	Dr.K.V Nagaraja /ASE, Bangalore	Quadrature rules over 2-D and 3-D regions, Numerical Integration
3	T.M. Mamath	M.Sc , M.phil,	Christ College	Mathematics/ ASE,Bangalore	Dr. B. Venkatesh/	Numerical Integration

	a	Mathematics	, Bangalore	e	ASE, Bangalore	formulae for arbitrary functions over hexahedral regions

from other Institutions/Universities

Sl No.	Name of the Research Scholar	Previous Highest Degree Degree Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic/ Area
					Dr. GN Kumaraswamy,	Micro structural
1.	Venkatachalaiah K.N. K.N.Meera	M.Phil. M.Sc. , M.phil, Mathematics	M.S. University Tamilnadu Central College , Bangalore	Department of Physics, Amrita School of Engineering, Bangalore Mathematician University, Kuppam	Dr.B. Sooryanarayana Amrita School of Engineering Institution of Technology, Bangalore	Investigation on on graphs, Graph Theory, polymer Invariants electrolyte in Graphs and their nice properties of Graph theory and its applications
2.	Praveen D.	M.Sc.	Bangalore University	Department of Physics, Bangalore University	Ramakrishna Damle, Bangalore University	Investigation on on graphs, Graph Theory, polymer Invariants electrolyte in Graphs and their nice properties of Graph theory and its applications
2	K.N. Geetha M.	M.Sc , Mathematics	Central College , Bangalore Bharathiar University	Mathematics/ Ambedkar Institution of Technology, Bangalore Department of Technology, Amrita Vishwa	Dr. S. Mahadeva Institution of Technology, Bangalore Professor Amrita Vishwa	Investigation on Mixed conducting Solid polymer electrolyte
3.	Dharani	M.Phil.	University	Vidhyapeetham, Coimbatore	Amrita Vishwa Vidhyapeetham, Coimbatore	Investigation on Mixed conducting Solid polymer electrolyte
4	H. Manjunatha	M.Sc.	Bangalore University	Department of Physics, Amrita School of Engineering, Bangalore	Dr. GN Kumaraswamy Assistant Professor (Selection Grade)	Investigation on Mixed conducting Solid polymer electrolyte

					Amrita School of Engineering. Bangalore	s

Department of Physics

a) from the host Institution / University

Department of Chemistry

a) from the host Institution / University

Sl. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1	S. Giridhara Reddy	M.Sc.	Bangalore University	Chemistry Department, Amrita School of engineering, Bengaluru.	Dr. Akanksha Saxena Pandit, Assistant Professor, Chemistry Department, Amrita School of engineering, Bengaluru.	Sodium alginate blends
2	S. Anil Kumar	M.Sc.	Annamalai University	Chemistry Department, Amrita School of engineering, Bengaluru.	Dr. B.L. Bhaskar, Assistant Professor, Chemistry Department, Amrita School of engineering, Bengaluru.	Analytical method development and characterization

Annexure 20

List the distinguished alumni of the department (maximum 10)
Department of ECE

Sl. No.	Title	Name	Occupation	Employer	Designation
1	Mr.	P.V.N.S.K. Abhinay	Pursuing Ph.D. in University of New Mexico		
2	Ms.	Srividya R.	Analyst	CISCO Systems	Analyst - Finance / IT
3	Mr.	Deekshit Nayanat	Engineer	Nokia Siemens Networks	Research & Development Engineer
4	Mr.	Vinayak Bhargav S.	VLSI Engineering	WIPRO	Project Engineer
5	Mr.	Sumukh Nanjangud	Pursuing MSEE at University of Texas as Dallas		
6	Mr.	Shravan Kumar Chandrasekaran	Software Engineering	Xilinx Inc	Embedded Software Engineer
7	Ms.	Rashmi Srinivasa Murthy	Signalling	Alstom India Pvt Ltd	Engineer
8	Mr.	Thejas Gupta B.S.	Satellite Communication	Get2Galaxy Technology Solutions Pvt Ltd	Engineer
9	Mr.	Abith Asheeq S.	Network Security	Vam Systems, Bahrain	Network Security Engineer
10	Mr.	Ramkumar R.	Engineering	Intel Corporation	Graphics Hardware Engineer

Department of EEE

Sl. No.	Title	Name of the Alumni	Occupation	Employer	Designation
1	Mr.	Amit Kumar (pursued M.Tech. in IISc., Bangalore)		ABB, Bangalore	
2	Mr.	Prajof Prabhakaran		Amrita Vishwa Vidyapeetham, Coimbatore	
3	Mr.	Ajay Prabhu	Software Engineering	Botrio Design Labs, Bangalore	Application Engineer
4	Mr.	Trivikram A.	Pursuing M.Tech. in IIT, Mumbai		

Department of CSE

S. No.	Title	Name of the Alumni	Year of Joining	Occupation	Employer	Designation

1	Mr.	Ragesh Kumar C.	2002	Product Management	Amazon	Sr Product Manager
2	Mr.	Radheesh M.R.	2003	Software Engineering	Technicolor India	Sr Programmer
3	Mr.	Maria Sabastin S.	2004	Programme Coordination	Amrita School of Business	Programme Coordinator
4	Ms.	Anjali C.	2005	Software Engineering	Infosys Limited	Senior Systems Engineer
5	Mr.	Balamanikandan G.	2005		Exterro	Business Analyst
6	Mr.	Bhuvanesh L.	2005	Software Engineering	Cognizant	Programmer Analyst
7	Mr.	Nikhil Menon	2005	Software Engineering	Playfiks Software Private Limited	Cofounder and Director of Engineering
8	Mr.	PuneethAnand araj	2005	Software Engineering	North South GIS	Developer
9	Ms.	S. Selmia	2005	Research	DRDO	Research
10	Ms.	Swetha M. Rao	2005	Software Engineering	Infosys Ltd	Senior Associate
11	Mr.	Vijay Chandran K.S.	2005	Software Engineering	Cognizant	Programmer Analyst
12	Mr.	Akash Gupta	2007	Freelancing and Business	Freelancer and Business	Owner
13	Mr.	Buddha Puneeth N.	2007	Software Engineering	Sap Labs	Quality Associate

Department of ME - **NIL**

Annexure 21

**Give details of student enrichment programmes
(special lectures / workshops / seminar) involving external experts**

Department of ECE

Sl. No.	Name of Expert Resource	Topic	Date	Number of participants
1	Mr. S. Ramesh from Award Solutions	Upcoming Trends in Wireless Communication Technology	11 th August, 2010	
2	Mr. Sunil Maheshwari, CEO-Mango Technology	Innovative Mobile Application Idea'	4th August, 2010	ASE Bangalore
3	Mr. K.P. Singh, Mango Technologies	Mobile Communication & Wireless Technologies	29 th September 2010	
4	Dr. Raja Banerjee, Director of Engineering, Cisco [Jointly conducted with FACE]	Web Applications Security	10 th March 2011	All the students of ECE & CSE
5	Mr. Ravi Ranjan, Technical Project Head, L & T Pvt. Ltd. [Jointly conducted with CIR Dept.]	Current trends in Electronics	17 th March 2011	50
6	Texas Instruments, India through Cranes Softwares	Digital Signal Processors [TMS 320 C 5515]	20 th April 2011	98
7	National Instruments, India through Cranes Softwares.	LabView.	21 st April 2011	96
8	EFY Pvt. Ltd	PCB designing	23 rd and 24 th March, 2012	58
9	Dr. Sarat Chandra Babu, Executive Director, C-DAC, Bangalore	Ubiquitous Computing and its Societal Applications	18 th April 2012	
10	Cranes software International Ltd	DSP and Virtual Instrumentation using Texas Instruments DSP Kits and National Instruments 'Lab View'	21 st April 2012 to 22 nd April 2012	105

Department of EEE

Sl. No.	Name of Expert Resource	Topic	Date	Number of participants

1	Prof. K. Gopakumar, Chairman, CEDT, IISc., Bangalore	“Current Research Trends in the Area of Power Electronics and Applications and Drives”	24 th March 2011, E- learning centre, ASE, Bangalore.	30(M.tech Students and faculty)
2	Dr. K. K. Sasi, Professor, Amrita Vishwa Vidyapeetham, Ettimadai and attended by the students of VI semester EEE.	Energy Conservation and Wind Energy	22 nd to 24 th February 2010.	58 (attended by the students of VI sem)
3	Mr. Ramaswamy, MD, Sara Consultants, Bengaluru	"Transformer Technology"	16 th November 2011	100
4	Mr. Kamalakannan, Application Engineer, Innovent Simulating	'ANSOFT' software (ANSYS Academic Products)	18 th April 2012	Students (M.Tech and B.Tech final year students)

Department of CSE

Sl. No.	Name of Expert Resource	Topic	Date	Number of participants
1	Representatives from TxtWeb(Intuit)	TxtWeb Application Development Workshop	09/03/2011	100
2	Mr. Sivaram, Design Engineer, Flow Serve	Seminar on RTOS	28/03/2011	100
3	Mr. Navdeep Kumar, Infosys	Rapid Application Development using Adobe Flex	06/04/2011	45
4	Representatives from Imagine Store, Apple, India	Apple Developers Meet	April 2011	150
5	Representatives from Apple	Seminar on Mac and iPods	17/08/2011	80
6	Mr. SrujanBabu, Coral Tech Solutions	Seminar on VxWorks RTOS	29/08/2011	70
7	Mr. Praveen Kumar, SDE Lead, Amazon.com	Emerging Career Opportunities in IT Industries	18/02/2012	50
8	Mr. GnananilPhukan, Intel Technologies	Careers in IT Industries	18/03/2012	100
9	Dr. T S Mohan, Principal Researcher, Infosys	Remembering Alan Turing: Programming- Past, Present and Future	03/10/2012	60

10	SAP Representative	SAP Road Show	11/10/2012	65
11	Mr. Srivatsan, Mr. Vishal, Synopsis	Session on Bridging the Employability Gap	07/11/2012	120
12	Mr. Nurul Islam Roman	ISOC APNIC Workshop	15/11/2012 to 18/11/2012	20
13	Dr. Venkatesh Bilvam	Web Development Session on Rapid Prototyping in HTML and CSS using Adobe Photoshop/Fireworks	24/11/2012	60
14	Prof. H S Lallie, University of Warwick	Cyber Security Talk	03/12/2012	60
15	Ankush Bagotra, Chairman, ISOC	Tracking the Trackers	06/02/2013	120
16	Dr. Anup Gandwar, VirtuQ Education, Bangalore	Seminar on Virtualization and Cloud Computing	25/02/2013	130

Department of ME

Sl. No.	Name of Expert Resource	Topic	Date	Number of participants
1	Mr. Murthy, Lead Engineer, Techlead Solutions, Chennai	Introduction to MSC Nastran and MSC ADAMS software	24/04/2013	120
2	Mr. Sudhakar Shenoy, Ex-Vice President, John Deere India	Innovation for Emerging Markets	15/03/2012	120
3	Mr. Bharath Shekar, Deputy Manager, Design Liaison, Hindustan Aeronautics Limited	Industrial Design	17/09/2012	60
4	Dr. Jafar Ali, Senior Lead Engineer, G.E, Bengaluru	Introduction to Finite Element Method	30/07/2012	120
5	Prof. P. Seshu, Scientist-in-charge And Prof. S. Suryanarayan, Technical Consultant, CSIR Centre for Mathematical Modelling and Computer Simulation (C-MMACS)	Exploring areas of collaborative research between Amrita and C-MMACS	08/11/2011	60
6	Mr. Varun Sharma, Hyperworks Analyst, Altair Engineering	Applied Engineering	03/08/2011	60
7	Mr. K. Satyanarayan	Lean "Six Sigma	26/03/2010 to	120

	Epitome Consultancy	and Lean Manufacturing	28/03/2010	
8	Mr.Lakshmipati, Honeywell	IC Engines	25/03/2010	120
9	Mr.K.Sathyanarayana, Epitome Ltd	Introduction and Importance of Six sigma and Lean Six Sigma	25/02/2010	120
10	Dr Shamsundar, GE technologies	Non-destructive testing: Awareness, challenges and opportunities	24/02/2010	60
11	Dr. Raghuram N. Govardhan, IISc , Bangalore	Micro Fluids	02/02/2010	120

Department of Mathematics

Sl. No.	Name of Expert Resource	Topic	Date	Number of participants
1	Aavishkaara activity	Organized a Mathematics quiz	10/10/2012	150
2	Prof. Srinatha Sastry, Retd. Scientist, NAL	Mathematics for Life	5/03/2013	250
3	Prof. Navakanth Bhat, Centre for Nanoscience and Engineering, IISc, Bangalore	Giga scale Interaction with Nano scale building blocks	2/11/2012	250
4	Dr. Sudarshan Iyengar, ISI, Chennai	Joy of computing	28/03/2012	50
5	Aavishkaara activity	Workshop on MATLAB	April 2011	150
6	Aavishkaara activity	Organized a science olympiad	11/10/2011	50

Amrita School of Engineering – Coimbatore

Evaluative Report of the School

1. Name of the Department: **Amrita School of Engineering, Ettimadai**

2. Year of establishment

Department	Year
Electronics and Communication Engineering	1994
Electrical and Electronics Engineering	1994
Mechanical Engineering	1994
Computer Science and Engineering	1995
Chemical Engineering (Polymer Engineering)	1999
Information Technology	1999
Electronics and Instrumentation Engineering	2001
Aero Space Engineering	2007
Civil Engineering	2008
Centre for Computational Engineering and Networking	2003
TIFAC-CORE in Cyber Security	2006
MSW	2007

3. Is the Department part of a School/Faculty of the university? If so, specify.

Amrita School of Engineering is a constituent unit of Amrita Vishwa Vidyapeetham.

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

	S. No.	Programme Name	Programme Duration	Student Intake	Start Date
ECE	1.	B.Tech - Electronics and Communication Engineering (ECE)	4 years	180	1994
	2.	B.Tech - Electronics and Instrumentation Engineering (EIE)	4 Years	60	2004
	3.	M.Tech VLSI	2 years	25	2002
	4.	M.Tech Bio Medical Engineering (BME)	2 Years	20	2007
Cyber Security	5	M.Tech - Cyber Security	2 Years	20	2012
CEN	6	M.Tech CEN	2Years	25	July 2003
	7	M.Tech RSWSN	2Years	25	July 2007
EEE	8	B. Tech. EEE	4 Years	120	1994
	9	M.Tech. Power Electronic	2 Years	25	2003
	10	M.Tech. Embedded Systems	2 Years	25	2008
	11	PG Diploma in Wind Resource Assessment	1 Year	15	2011
	12	PG Diploma in Wind Power Development	1 Year	15	2011

Science	13	M.Sc Physics (Integrated Masters)	5 years	40	01.08.20 13
	14	M.Sc chemistry (Integrated Masters)	5 years	40	01.08.20 13
English	15	Integrated M.A. (English Language & Literature)	years	40	1-8- 2013
Chemical	16	B.Tech - Chemical Engineering	4 years	60	July 2007
IT	17	Information Technology	4 years	120	
Civil	18	B.Tech - Civil Engineering	4 Years	60	July 2008
Mech	19	B.Tech - Mechanical Engineering	4 Years	180	1994
	20	▪ M.Tech - Engineering Design	2 Years	25	2003
	21	▪ M.Tech - Manufacturing Engineering	2 Years	25	2003
	22	▪ M.Tech - Automotive Engineering	2 Years	25	2011
	23	Automotive Systems	2 Years	25	2012
MSW	24	MSW	2 Years	60	18-08- 2007
Maths	25	Integrated M.Sc	5 years	5	July 2013
CSE	26	B.Tech - CSE	4 Years	300	July 1995
	27	M.Tech - CSE	2 Years	30	July 2011
	28	M.Tech - CVIP	2 Years	30	August 2004
	29	MCA	3 Years	60	June 1997
All Department s	30	Ph.D program			2004

5. Interdisciplinary programmes and departments involved

S. No.	Programme Name	Departments Involved	Programme Duration	Student Intake	Start Date
1.	M.Tech Bio Medical Engineering (BME)	<u>ECE &</u> Mechanical, Chemical	2 years	15	2007
2.	Automotive Systems	<u>Civil &</u> MECH, ECE, CSE	2 Years	25	2012

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

EEE

S. No.	Programme Name	Name of outside institution	Programme Duration	Student Intake	Start Date
1.	PG Diploma in Wind Resource Assessment	C- WET	1 Year	15	July 2011
2.	PG Diploma in Wind Power Development	C- WET	1 Year	15	July 2011
3.	Automotive Systems	University of Buffalo	2 Years	25	2012

7. Details of programmes discontinued, if any, with reasons

S. No.	Programme Name	Year of discontinuation	Reason(s) for discontinuation
1.	PG Diploma in Wind Resource Assessment	2013	C-WET stopped funding
2.	PG Diploma in Wind Power Development	2013	C-WET stopped funding
3.	B.Tech Polymer Engineering	2007	Non availability of the designated GATE Exam, B.Tech Chemical is more broad based programme as compared to B.Tech Polymer Engg & the Perception of student and parents is more in favour of Chemical Engg
4.	M.Tech Chemical Engineering	2011	No suitable candidates for the program
5.	B.Tech Information Technology	2009	

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester/Choice Based Credit System

9. Participation of the department in the courses offered by other departments

S. No	Department	Course Handled for	Course
1	ECE	B.Tech Computer Science	Digital Systems, Digital Signal Processing
2	ECE	B.Tech Electrical Engineering	Communication Subjects
3	ECE	M.Tech Automobile Engineering	Electronics Subjects
4	English	B.Tech (All Branches)	All Language related courses
5	English	Ph.D scholars	Part of CY800-Research Methodology

6	Chemical	ECE	Introductory Modern Biology, Biomaterials, Biofluid Mechanics, Solar Energy, Mechanical science
7	Chemical	Ph.D	Solar Energy, Statistical Methods for Researchers, Service Quality Management, Intermolecular Forces, Thermodynamics of Multiphase Equilibria, Molecular Simulations, Computational Systems Biology, Polymer Nanocomposites, Polymer Materials & Structure-property relations
8	Chemical	CEN	Remote Sensing using Chemical Sensors and Wireless Sensor Networks
9	Chemical	Mechanical	Composites Materials and Processing
10	Chemical	EEE	Work Environment & Safety
11	Chemical	ASCOM	Geography & Environmental Studies
12	Chemical	M.Sc	Biostatistics
13	Chemical	For all Departments	Environmental Studies, Material Science
14	Civil	M.Tech – Engineering Design	???
15	Civil	M.Tech and B.Tech	final year projects
16	Mechanical	CSE, ECE, EIE,	ME450 : Engineering Management
17	Mechanical	CSE	CS481 : Principles Of Management
18	Mechanical	ECE, EIE	ME481. : Enterprise Management
19	Mechanical	CSE -MCA	HU282 : Principles of Economics and Management
20	Mechanical	Many other departments	1. MEC100 - Engineering Mechanics, 2. MEC209 - Basic Mechanical Engineering, 3. MEC181- Engineering Drawing and 4. MEC180 - Workshop Practice.
21	CSE	B.Tech CHEMICAL	EEE180 : WORKSHOP B -PC HARDWARE LAB
22	CSE	M.Tech	ES614 : Sensor Networks
23	CSE	B.Tech ECE	EC304: Computer

			Communication and Networks Lab
24	CSE	B.Tech EEE	EE180 : Workshop B -Pc Hardware Lab
25	CSE	B.Tech ECE	EC401 : Computer Communication and Networks
26	CSE	M.TECH EMBEDDED	ES701: Mobile and Wireless Networks
27	CSE	B.Tech ECE	EC401 : Computer Communication and Networks
28	CSE	B.Tech ECE	IT203: Computer Organization And Architecture
29	CSE	B.Tech	EE435 : Introduction to Computer Networks
31	CSE	B.Tech ECE	EE180 : Workshop B -Pc Hardware Lab
32	CSE	B.Tech ECE	EE180 : Workshop B -Pc Hardware Lab
33	CSE	B.Tech EEE, Chemical,	EE180 : Workshop B -Pc Hardware Lab
34	CSE	B.Tech ECE, Mechanical, Aerospace	EE180 : Workshop B -PC Hardware Lab
35	CSE	B.Tech EEE	EEE180 : WORKSHOP B -PC HARDWARE LAB
36	CSE	B.Tech EEE	EE180 : Workshop B -Pc Hardware Lab
37	CSE	B.Tech E&I	CS438 : Computer Vision
38	CSE	M.Tech CYS	CY712 : Digital Watermarking
39	CSE	ExecutiveMBA, School of Business, Bangalore	ITES Project Management
40	CSE	School of Business, Coimbatore	SY610 : Software Project Management
41	CSE	School of Business, Kochi and Bangalore	Software Project management
42	CSE	B.Tech	CUL101: Cultural Education -
43	CSE	M.Tech WSN,	WN624: Wireless LAN
44	CSE	IM.Tech EMB,	ES615:Analysis and Synthesis of Embedded Systems and FPGA
45	CSE	M.Tech EMB	ES703 : Parallel Computing
46	CSE	B.Tech ECE	EC304: Computer Communication and Networks
47	CSE	M.TECH (EEE)	ES613: Computer Networks
48	CSE	B.Tech E&I	EC401: Computer Communication and Networks
49	CSE	B.Tech Civil	EE180 : Workshop B -Pc Hardware Lab
50	CSE	B.Tech ECE	IT203: Computer Organization and Architecture
51	CSE	B.Tech Civil	EE180 : Workshop B -Pc

			Hardware Lab
52	CSE	B.Tech ECE	EE180 : Workshop B -PC Hardware Lab
53	CSE	B.Tech Civil,Chemical	EE180 : Workshop B -PC Hardware Lab
54	CSE	B.Tech Mechanical	EE180 : Workshop B -Pc Hardware Lab
55	CSE	B.Tech ECE	IT203: Computer Organization And Architecture
56	CSE	B.Tech Mechanical, EEE	EE180 : Workshop B -Pc Hardware Lab
57	CSE	M.TECH(EEE) ,	ES614: Sensor Networks
58	CSE	B.Tech Aerospace	EE180 : Workshop B -Pc Hardware Lab
59	CSE	M.TECH CYBER SECURITY	CY604 : Programming Language & Operating System
60	CSE	M.TECH CYBER SECURITY	CY615: Operating System Security
61	CSE	B.Tech ECE	IT203: Computer Organization And Architecture
62	CSE	B.Tech EEE	EE435: :Introduction to Computer Networks
63	CSE	B.Tech EIE	EC401: Computer Communication and Networks
64	CSE	B.Tech ECE	EC401: Computer Communication and Networks
65	CSE	B.Tech Mechanical	EE180 : Workshop B -Pc Hardware Lab
66	CSE	B.Tech ECE	EE180 : Workshop B -Pc Hardware Lab
67	CSE	B.Tech E&I, Mechanical	EE180 : Workshop B -Pc Hardware Lab
68	CSE	Intergrated Course (Physics, Chemistry & Mathematics (Combined))	CSA136: Introduction To Programming Using C
69	CSE	B.Tech Aerospace	EE180 : Workshop B -Pc Hardware Lab
70	CSE	B.Tech ECE	EE180 : Workshop B -Pc Hardware Lab
71	CSE	PG Diploma - EEE	WR606: Computer programming and Modelling
72	CSE	B.Tech Chemical,ECE	EE180 : Workshop B -Pc Hardware Lab

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Actual

Professor	42	42
Associate Professors	28	28
Asst. Professors	282	282
Others	4(PT Professors) +10 (PT Asst. Professor)	4(PT Professors) +10 (PT Asst. Professor)

Note: refer Annexure – Evaluative Report – item 10 – Number of teaching posts.docx for detailed version.

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

See Annexure – Evaluative Report – item 11 – Faculty Profile

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Name	Date of Appointment	Courses taught	Designation	In Amrita
Dr. S.Rajendran	7/7/2011	Natural Language Processing	Adjunct Professor (CEN)	
Dr. Arun Sekar, of Tennessee Technological University, Cookeville, USA	January 2012	Power Quality for second semester M.Tech. Power Electronics	visiting professor (Department of EEE)	
Dr.C.S.Shastry	2013 on words	Ph.D class (Advanced Quantum Mechanics)	adjunct faculty (Science)	2003-2011(emeritus professors)
Dr. R.M.V.G.K. Rao		Guest Lectures on Composites	Adjunct Professor (CEMS)	
Dr. P. Somasundaram, Professor, Columbia University		Guest Lectures on Interfacial Science and Engg	Adjunct Professor (CEMS)	
Dr.T.R.Padmanabhan	May 1999	Cryptography, DSP, Image Processing, Verilog		
Dr.N.N.Pillai	21-10-1994	Fluid mechanics, Advanced Fluid Mechanics. Research Project: Waste water	Professor Emeritus (Civil)	Exit Date: 30-6-2010

		treatment plant, Soil erosion, Advisor for the newly implemented effluent treatment plant in the campus		
Dr. K.B.M. Namboodiripad	06-01-2010	Theory of Elasticity Theory of Plates and Shells	Visiting Professor (Mechanical)	
Dr. Raju	01-07-2011	Automotive Testing and Validation, NVH and refinement Research: Advisor for AATC	Adjunct Professor (Mechanical)	
Dr. Praveen Patkar			Adjunct Faculty (MSW)	
Dr. R. Hebsure			Visiting Faculty (MSW)	
Ms. Preethy Patkar			Visiting Faculty (MSW)	
Dr. Rajkumar. S. Pant, IIT Bombay		Aero-Design course	Visiting faculty	

13. Percentage of classes taken by temporary faculty – programme-wise information
NIL

14. Programme-wise Student Teacher Ratio

	Department	Student Teacher Ratio	Details
	ECE	15:1	845 students, 56 faculty members
	CEN	4:1	MTech CEN: Maximum Student-50 & Minimum Faculty -11

			MTech RSWSN Maximum Student-50 Minimum Faculty -11
	EEE	12:1	Maximum Student-180 & Minimum Faculty -17
	Chemical	10.6:1	
	IT	15:1	
	Civil	18:1	
	Mech	12:1	Without Including First Year Mechanical Engineering Students
	MSW	3.3:1	
	Aerospace	21:1	Student strength is 186 & Faculty strength is 9
	CSE	1:18	B.Tech
		1:6	MCA
		1:2	M.Tech CVIP

15. Number of academic support staff (technical) and administrative staff: sanctioned, and actual

	ECE		Cyber		CEN		EEE		Science		English		Chemical		IT		Civil		Mechanical		MSW		Aerospace		Maths		CSE	
Designation	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual
Sr. Instructor	2	2			0	0													2	2								
Instructor	3	3			0	0			2	2			2	2			1	1	4	4								
Sr. Lab Assistant	5	5			2	2							1	1			1	1					1	1				
Lab Assistant	2	2			0	0	9	9	2	2							3	3										

CEN

- Computational Chemistry
- Machine Learning (with tools like Neural Network, Support Vector Machines, Graph Learning Algorithms)
- Geographical Information System
- Natural Language Processing (Text and Speech)

EEE

- Sustainable Energy,
- Environment,
- Power Systems,
- Power Quality,
- Renewable Energy,
- Embedded Systems

Chemical

DRDO:

- Development of Novel Carbon-Inherently Conducting Polymer (C-ICP) and C-ICP-Metal Nanocomposites with Unusually High Conductivity for Microwave Absorption
- Development of New and Efficient Photosensitizers for Nanocrystalline TiO₂ Based Dye Sensitized Solar Cells
- Advanced Nanocomposites for Microwave Absorption
- Electrochemically Tailored Compliant Solder Materials for Flip-Chip Joining
- Studies on rubber nanocomposites based encapsulants
- Center of Excellence for Advanced Materials & Green Technologies
- Virtual Labs On Nanomaterials, Nano & Biotechnology

ISRO:

- Analysis and Evaluation of Multi-Layer Shear Damped Visco-Elastic Treatments for Launch Vehicle Application
- Polymer nanocomposites for inflatable space structures [ISS]
- Elastomer based polymer nanocomposites for control system bladders

DBT:

- To Develop Differential Strength Polymer on a Single Sheet as a Test Specimen for Diabetic Footwear

The Institution of Engineers India:

- Optimisation of Nanofiller Loading in Natural Rubber based Micro Cellular Sheet Using DoE

DST:

Technical assessment on photocatalytic hydrogen production

Amrita Vishwa Vidyapeetham:

- Flow Patterns of Oil-Water Immiscible Liquid Mixtures in Small and Microchannels
- Development of a Novel Microchannel Reactor for the Conversion of Biomass to Liquids

NSTEDB:

- Development of machine for manufacturing low-cost sanitary napkins

Civil-

- Composite materials,
- Concrete Technology

Mech-

- Industrial Engineering
 - Lean manufacturing
 - Agile manufacturing
 - Supply chain management
 - Logistics
- Materials and Processing
 - Composites – Metal matrix
 - Casting
 - Welding – Friction Stir, TIG
- Automotive Engineering
 - IC Engines – Design, Development and Down sizing
 - NVH
- Computational Mechanics
 - Modelling and analysis of engineering systems and failure mechanisms
- Manufacturing Engineering
 - Condition Monitoring and fault diagnosis
 - Process modelling
- Energy and environment
 - Green Manufacturing

MSW-

- Child in need
- Community/ Environment

Aerospace**BARC**

- Investigation on effect of space radiations on space durable polymeric nano composite for future generation space missions
- Investigation on carbon nano fiber reinforced polyether ether ketone/polyether imides as polymer composite container for long time nuclear waste disposal

ISRO

- Analysis and Evaluation of Multilayer Shear Damped Visco-Elastic Treatments for Launch Vehicle Application

CSE

- Computer Vision and Image Processing
- Computational Intelligence and Information Systems
- Mobile and Wireless Networks
- Information Security

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. No	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project *
ECE					
1.	Development of Text/Language Independent Speaker Recognition System	Dr.C.Santhosh Kumar	DRDO	Rs.14.94 Lakhs	Three years
2.	Scalable fault model for the prognosis and diagnosis of generators in aircraft electrical system	Dr.C.Santhosh Kumar	NPMASS, ADA	Rs.28 Lakhs	Three years
Cyber Security					
1.	Development of encryption algorithms for Satellite Based Communications for ISRO	Dr. M. Sethumadhavan	ISRO	Rs. 2.1 Crores	2 year
2.	Development of Visual Cryptographic Schemes	Dr. M. Sethumadhavan	ISRO	Rs. 17.71 Lakhs	2 year
CEN					
1.	Development of English to Indian Languages : Machine Translation System	Dr.K.P.Soman	DIT	67.59	Long term
2.	Wordnet	Dr.K.P.Soman	DIT	33.0	Long term
3	Analysis, Processing and Synthesis of Emotions in Speech	Dr.D.Govind	DST	14.0	Long term
4	Improving coconut production in Kerala using soil data through Remote Sensing and GIS technique	Dr.P.Geetha and Dr.V.S. Ramachandran	CDB	14.21	3yrs
5	Joint Development of Speech modules.	Dr.K.P.Soman	CDAC	11.0	Long term
6.	Multiuser realtime shared access platform for remote experimentation	Mr.Rakesh Peter	U SHARE	25.0	Long term
7.	Speech recognition	Dr.K.P.Soman	CDAC	50.0	Long term
8	Machine translation	Dr.K.P.Soman	MHRD	1crore	Long

					term
9	Particulate polymer composites for space applications : Modelling and simulation of physical, mechanical and rheological properties	Dr.P.K.Krishnan Namboori and S.S.Bhagavan	ISRO	13.64	Long term
EEE					
1.	Energy Management on Smart Grid using Embedded Systems	Dr. K. K. Sasi	Indo-Swedish research funding scheme, INT/SWD/V INN/P – 05/2011	Rs 30, 25,880	3 Years
2.	Wind Energy Centre at Amrita University	Dr. K. K. Sasi	C-WET, Chennai	Rs 1, 53,00,000	3 Years
3.	Improvement in transient stability margin of grid connected squirrel cage wind electric generator using STATCOM with super capacitor	Dr.R.Jayabarathi, Dr.V.Vanitha	AICTE under Research Promotion Scheme	Rs 13, 00,000	2 Years
4.	An Intelligent Controller based shunt Hybrid filter for Harmonic Reduction in Adjustable Speed Drives	Dr. M.R. Sindhu	DST, New Delhi	Rs 2207000	3 Years
Science					
1	Design, synthesis and characterization of modified peptide nucleic acids having electrochemical/fluorescent markers	Dr. Prasanna Ramani	DST - FAST TRACK	27.0	3 Years
2	Nanostructured thin films of composites synthesized by spray coating technique for corrosion and wear resistance applications	Dr. M.Sivakumar Co-Investigator: Dr. A.Uma Maheswari, Dr. S. Saravana Kumar (NSS College)	DRDO	25.74	3 Years

3	Nanostructured biodegradable coating on magnesium alloys for biomedical applications	Dr.M.Karthega	DST	25.0	3 Years
4	Fabrication of lab-on-a chip for glucose, cholesterol and creatinine	Dr Bipin Nair, Dr T Ramachandran Dr T G Satheesh Babu	DBT	76.5	3 Years
5	Development and Fabrication of Non-enzymatic Electrochemical Glucose Biosensors and Fabrication of Glucometer	Dr.T.G.Satheesh Babu and Prof. T. Ramachandran	Department of Biotechnology (DBT)	61.7	3 Years
6	Synthesis, characterization and liquid crystalline properties of ligand bridged dicobaloximes	Dr.R. Yamuna	DST	28.0	3 Years
7	Total synthesis of modified benzophenanthridines – A preliminary anti-cancer study	Dr. Prasanna Ramani	Heutrey Petrochem India Pvt. Ltd	1.5	1 Year
8	Synthesis of intermediate analogues for biologically active molecule	Dr. Prasanna Ramani	Aventis Pharma Ltd	0.5	1 year
Chemical					
1.	Electrochemically Tailored Compliant Solder Materials for Flip-Chip Joining	Dr. Murali Rangarajan	DRDO	62,48,000	3
2.	Development of New and Efficient Photosensitizers for Nanocrystalline TiO ₂ Based Dye Sensitized Solar Cells	Dr. Kumaresan, Dr. Dr. NiKhil Kothurkar & Dr. R. Yamuna	DRDO	48,19,000	3
3	Flow Patterns of Oil-Water Immiscible Liquid Mixtures in Small and Microchannels	Dr. Murali Rangarajan	Amrita Vishwa Vidyapeetham	2,03,000	2 Years

4	Development of a Novel Microchannel Reactor for the Conversion of Biomass to liquids	Dr. Udaya Bhaskar Reddy Ragula	Amrita Vishwa Vidyapeetham	5,39,200	1 Year
5	Center of Excellence for Advanced Materials & Green Technologies	Dr. Sriram Devanathan, Team leader, Dr. Murali Rangarajan, Team member, Dr. NiKhil Kothurkar, Team member, Dr. S.S. Bhagavan, Team member, Dr. Kumaresan, Team member, Dr. Udaya Bhaskar Reddy Ragula, Meera B. Sasikumar	MHRD	TBA (Rs. 1 crore received for non-recurring expenses)	3 Years
Civil					
1.	Investigation of compatibility between portland pozzolana cement and admixtures in high performance concrete	Dr.K.M.Mini Ms.Dhanya Sathyan	DST	Rs.12,00000/-	3 years
Mechanical					
1.	Development of Spinodal Bronze Matrix Composite and functionally Gradient Bronze and Comparison of the Mechanical and Wear Properties	Dr.R.Sellamuthu, Dr.Sanjivi Arul Dr.S.Ilangovan Mr.R. Saravanan	DRDO	14.2 lakhs	3 years
2.	Fault diagnosis of dynamic mechanical systems(gear box) based on signal processing using machine learning	Dr.K.I.Ramachandran Dr.K.Rameshku mar, M.Saimurugan, P. Krishnakumar	DRDO	28.89 lakhs	3 years

	techniques				
3.	Process Monitoring and Control of ultra-precision machining of Titanium alloys	Dr.K.I.Ramachandran Dr.K. Rameshkumar P. Krishnakumar A.Sumesh	DRDO	14 Lakhs	2 Years
4.	Development of functionally-graded aluminium metal matrix composites using centrifugal casting method and to investigate the mechanical and tribological properties	Dr.N.Radhika & S.Ilangovan	DST	17,00,000	3 years
5.	Modeling and Simulation of Deformation in Machining Processes	Dr. Ajith Ramesh	DRDL, Hyderabad	Rs. 10 Lakh	2 years
6.	Finite Element Modeling of a Horn-Diaphragm from Manufacture to Operation, to analyze Crack Propagation	Dr. Ajith Ramesh	ROOTS Industries, Coimbatore	MOU signed / Hardware Assistance	2 years
MSW					
1.	District Need Assessment on Child Protection, Coimbatore District	Dr. P Rangasami	District Child Protection Unit, Collectorate, Coimbatore, Govt. Of Tamil Nadu	Rs. 1,87,097	6 Months
2.	District Need Assessment on Child Protection, Karur District	Dr. P Rangasami	District Child Protection Unit, Collectorate, Karur Govt. Of Tamil Nadu	Rs. 1,64,167	6 Months
Aerospace					
1.	Investigation on carbon nano fiber reinforced polyether ether ketone/polyether imides as polymer	Dr. Shantanu Bhowmik – Dr. V. Sivakumar	BARC	33.15 Lakhs	3 years

	composite container for long time nuclear waste disposal				
2.	Investigation on effect of space radiations on space durable polymeric nano composite for future generation space missions	Dr. V. Sivakumar – Dr. Shantanu Bhowmik	BARC	24.87 Lakhs	3 years
CSE.					
1.	Indoor Information Representation and Management System	Dr.Vidhya Balasubramanian , Dr.Latha Parameswaran	SERC Division, NRDMS, DST India	Rs 51.8 Lakhs	3 years

18. Inter-institutional collaborative projects and associated grants received

k) National collaboration b) International collaboration

a) National

S. No	Name of Department/ School in Amrita	Primary Contact in Amrita - Name & Designation	Name(s) of Collaborating Institution (s)	Primary Contact (Collaborator) – Name & Designation	Description of Research Programme (include details of amount, start date, duration, and project title)
1	Chemical Engineering Department, Amrita School of Engineering	Dr. Sriram Devanathan	Amrita Elearning Lab, Amritapuri	Prof. Kamal Bijlani, Head of Amrita Elearning Lab	Quality Enhancement of AVIEW
2	Chemical Engineering Department, Amrita School of Engineering	Dr. Sriram Devanathan	AMMACHI Lab, Amritapuri	Prof. Bhavani Bijlani, Head of AMMACHI Lab	Design of surveys, user feedback, design for usability, and statistical data analysis for projects related to Vocational Education aimed at Women's Empowerment

3.	Department of Computer Science and Engineering, School of Engineering, Ettimadai	Dr. Latha Parameswaran Professor and Chairperson, CSE	AIMS, Kochi	Dr. Shanmuga Sundaram, Professor Nuclear Medicine	“Image Tagging - Visible watermarking on PET/CT images stored in png format”
4.	Department of Computer Science and Engineering, School of Engineering, Ettimadai	Mr. T.Senthil Kumar, Assistant Professor, CSE	AIMS, Kochi	Dr. Kumar Menon-Physician Incharge Center For Digital Health, Amrita Institute of Medical Sciences	“Human Anatomy ATLAS for educational purpose”
5.	Department of Computer Science and Engineering, School of Engineering, Ettimadai	Mr. T.Senthil Kumar, Assistant Professor, CSE	AIMS, Kochi	Dr Sherif Peter, Head and Neck Department – Plastic reconstructive Surgery,	“3D Modelling for cosmetic surgery”
6.	Department of Computer Science and Engineering, School of Engineering, Ettimadai	Ms. H. Smith, Assistant Professor, CSE	AIMS, Kochi	Dr.Alice Kurien, Dental Informatics – In Charge	“3D view of the Tooth Structure”
7.	Department of Computer Science and Engineering, School of Engineering, Ettimadai	Ms. Hema P Menon, Assistant Professor, CSE	AIMS, Kochi	Dr. Anand Kumar, Professor and In Charge - Neurology	“Structural and Functional ATLAS for Brain MRI”
8.	Department of Computer Science and Engineering, School of Engineering, Ettimadai	Dr. R. Karthi, Associate Professor, CSE	AIMS, Kochi	Dr. Siby, Neurology Department	“Localization of lesions in Brachial Plexus”
9.	Department of Computer Science and Engineering,	Mr. V.Ananthanarayan Asst. Prof, CSE	AIMS, Kochi	Dr. Kumar Menon, Physician Incharge	“Remote Clinical Monitoring”

	School of Engineering, Ettimadai			Center for Digital Health	
10.	Department of Computer Science and Engineering, School of Engineering, Ettimadai	Ms. Hema P Menon , Asst. Prof, CSE	AIMS, Kochi	Dr. Gopal S Pillai, Department of Ophthalmology	“Retinal Image Profiling for disease analysis”
11.	Department of Computer Science and Engineering, School of Engineering, Ettimadai	Ms. Hema P Menon , Asst. Prof, CSE	AIMS, Kochi	Dr. Gopal S Pillai, Department of Ophthalmology	“3D Reconstruction of Retinal fundus image”
12.	Department of Computer Science and Engineering, School of Engineering, Ettimadai	Dr.N. Radhika, Associate Professor, CSE	AIMS, Kochi	Dr. Kumar Menon, Physician Incharge Center for Digital Health	Amrita Mobile Telemedicine Disaster Module”
13.	Department of Computer Science and Engineering, School of Engineering, Ettimadai	Mr.V.Ananthanarayan ,Assistant Professor	Amrita Biomedical engineering department		“Co-Existence and Information Security for Wireless Personal Medical Devices”
14.	Department of Computer Science and Engineering, School of Engineering, Ettimadai	Dr.Vidhya Balasubramanian	A-View, Amritapuri	Mr.Kamal Bijlani, MHRD, E-Learning Research Center, Amritapuri	ACIST: Amrita Content based Indexing and Searching Tool

b) International

S. No.	Name of Department/ School in Amrita	Primary Contact in Amrita - Name & Designation	Name(s) of Collaborating Institution(s)	Primary Contact (Collaborator) – Name & Designation	Description of Research Programme (include details of amount, start date, duration, and project title)
1	Chemical	Dr. Sriram	Wellcome		AMRITA

	Engineering Department, Amrita School of Engineering	Devanathan	Trust, UK		AUTOMATED INSULIN PUMP : A sophisticated, low-cost, reliable, biomedical device for emerging markets, Sept 2009, Rs. 8 crores
2.	Department of Computer Science and Engineering, School of Engineering, Ettimadai	Dr.Latha Parameswaran, Professor, CSE	Deakins University Australia	Dr.Swetha Venkatesh, Head- PRADA Labs, Deakin University, Australia	Machine Learning for Early Intervention for Children on Autistic Spectrum Disorder

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
Refer Annexure - Evaluative Report - item 19

20. Research facility / centre with

- state recognition
- national recognition
 - TIFAC-CORE on Cyber Security: (DRDO recognition of M.Tech programme)
 - MHRD Funded- Center of Excellence for Advanced Materials & Green Technologies
 - DST Funded- Amrita Biomedical Engineering Research Centre (AMBE)
- international recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies

ECE

- Machine intelligence Laboratory – Funded by DRDO and NAL

Cyber

- Network Monitor and Analysis Lab (funded by ADRIN, ISRO)

EEE

- Amrita Wind Energy Centre – Sponsored by C-WET
- Amrita Microsoft – Embedded System Lab

Mech-

- Amrita Automotive Testing Centre - supported by ATS and BOSCH

CSE

Cognizant Technology Solutions funded the Amrita-CTS innovation laboratory to promote research in the areas of vision, medical image processing, machine learning,

surveillance and cognitive networking. The laboratory houses equipments like digital video evaluation kit, robotic kits, machine vision system, development board for image processing, networking equipment and general purpose equipment.

22. Publications

* Number of papers published in peer reviewed journals (national / international)

	International Journal	National Journal	International Conference	National Conference	Total
2013	90	0	49	9	148
2012	154	15	84	30	283
2011	141	5	93	39	278
2010	151	14	109	73	347
2009	89	6	92	117	304
2008	19	0	31	17	67
Total	644	40	458	285	1427

Refer Annexure – Evaluative Report – item 22

* Monographs

K.M.Mini & K.Subramanian (2011) “Analysis and assessment of behavior of infilled frames using artificial neural networks” LAP LAMBERT Academic Publishing, ISBN-13: 978-3844310689

* Chapters in Books

English-4

Chemical-2

MSW- 1 (Nagalingam.M, and Kandappan.K (2011), Exposure visit to a model project as a part of community organisation: A case study from Tank Rehabilitation Project Pondicherry (TRPP).)

CSE -2

* Edited Books

* Books with ISBN with details of publishers

ECE: 3 National Conference Proceedings with ISBN

Chemical-3

Civil- 1 (N.N. Pillai , “ Principles of fluid mechanics and fluid machines (3rd ed.), University Press, ISBN: 9788173715495)

MSW- 1 (Illango Ponnuswami (2011), Professional Social Work: Best Practices and Innovations in Teaching, Research and Extension, Authors Press, New Delhi. ISBN 978-81-7273-510-4.)

Maths: 2 (Dr. OS.Deepa Gopakumar (Co-author) Computational Chemistry and Molecular Modeling- Principles and applications, Springer, 2008; Dr. J. Ravichandran, Probability And Statistics For Engineers, Wiley India Pvt Ltd, 2010)

CSE: C K Shyamala, N Harini, Dr T R Padmanabhan, Cryptography And Security, Wiley India Pvt Ltd, ISBN No: 9788126522859, 2011

- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

ECE: 12

MSW- 4 (ISSN 0976-3759, ,0019-6215, ISSN 0972-4109, ISSN- 0257-7348.)

CSE: 30

- * Citation Index – range / average

- * SNIP

- * SJR

- * Impact Factor – range / average

ECE: 0.5

MSW-0.8

- * h-index

ECE: 8

23. Details of patents and income generated

S. No.	Title of the Patent / Invention	Name(s) of the staff	Month and Year of Patent Registration / Invention	Patent / Invention Details	Income generated
1.	A practical method of CO ₂ Sequestration	Goswami, D. Yogi, Lee, Man Su, Kothurkar, Nikhil K. Stefanakos, Elias K.	March 1, 2011	Applied for US Patent No. 7,896,953	-
2	CVD technique for the preparation & deposition of cobalt Fischer-Tropsch catalyst on multi-walled carbon nanotubes	Udaya B Ragula, Subhash Dutta, Jonathan Whitlow, Harold Wright and Eric Elrod	November 18, 2010	Registered with US Patents Office, File Number 364,279	
3	A New microreactor design for the efficient production of jet fuels	Subhash Dutta, Udaya B Ragula, Jonathan Whitlow and Harold Wright	June 10, 2008	Registered with US Patents Office, File Number 307,948	

24. Areas of consultancy and income generated

Department	Area of Consultancy	Income Generated	
CEN	Income generated from the Material testing		

	Laboratory		
EEE	Energy Conservation, Solar Energy, Wind Energy	Nil	
Chemical		Year	Amount
		July 2007 – June 2008	13000.00
		July 2008- June 2009	6000.00
		July 2009- June 2010	7000.00
		July 2010- June 2011	7000.00
		Total Amount	33000.00
Civil	Testing of construction materials like concrete, wood, steel rods, aluminum, composite materials etc.		
	Soil testing like bearing capacity, permeability, density, compressive strength etc.		
MSW	Dr. K R Priya was a consultant for a major project of UNDP on “Bio- reserve conservation and landscaping” at Western Ghats Kerala	No consultation Fee	

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Note: Provide tabular data, with faculty name, designation, name of outside institution, dates, theme of visit, and outcomes

Refer Annexure – Evaluative Report – Item 25 – Faculty Visits

26. Faculty serving in

p) National committees b) International committees

Name of the Faculty	Committee
Dr. K. K. Sasi	Member of Honorary Member, Advisory Board, M/s Viyors Energy Ltd., Surat, July 2010 onwards
	Member of Board of Studies, EEE Department, Kumaraguru College of Tech, Coimbatore from August, 2007 onwards
	Member in Advisory Board of On line International Journal on Electrical Sciences, published by College of Engineering, Trivandrum, from Jan 2012 onwards
Dr.Isha T.B.	Member of board of studies, EEE Department of Coimbatore Institute of technology, Coimbatore from October 2012 onwards.

Dr. S.S.Bhagavan:-	External Expert – MG University, Kottayam ; Committee for selection of colleges with potential for excellence, Jan-February 2009; Faculty Mahatma Gandhi University, Kottayam Expert, Faculty Assessment / Recruitment [Chancellor's Nominee], Mahatma Gandhi University, Kottayam Member, Annual Review, Rubber Research Institute of India, Kottayam Academic bodies of other institutions -- Member, BoS, MSc Polymer Chemistry, University of Kerala ; * B Tech PS & RT, CUSAT, Kochi Question Paper setting,
Dr. Sriram Devanathan	President – Indian Institute of Chemical Engineers – Coimbatore Chapter
Prof.K.Gangadharan	Chairman, IETE Coimbatore centre – 2010 to 2012
Prashant.R.Nair	• Hon.Secretary, IETE Coimbatore centre – • Hon.Treasurer – IETE Coimbatore centre – 2010 to 2014 • Secretary, CSI Coimbatore chapter – 2010 to 2012 • IEEE Execom Member, IEEE Madras Section – 2012 to 2013 • Vice-Chairman of India Council of IEEE Education Society – January 2013 onwards • Student Activities Chair (SAC) of India Council of IEEE Computer Society (CS)–2013 onwards • Member, National Students Committee & State Student Coordinator (SSC) - Tamil Nadu, Computer Society of India (CSI) – 2013 onwards • Member, National Students Committee, Computer Society of India (CSI) – 2012 to 2013
C.Arunkumar	IEEE Student Branch Counsellor
Dr.K.M.Mini	Civil Engg. faculty selection Committee – Karunya University, Coimbatore
Dr. S.Thirumalini	SAEINDIA Secretary for the Southern Section SAEINDIA Chairman for the Engineering Education Board
Dr. K R Priya	• life time member and an executive body member of AICAS (Anathakrishna Iyar International Council for Anthropological Studies), Palakkad, • Life time member of Society of Indian Medical Anthropologists- Mysore as well as Kerala Chapters, • Life time member of Indian Social Science Congress, • Life time member of Indian National Council of Anthropologists, • Special invitee of Confederation of Non Governmental Organizations of Rural India etc.

Dr. V. Sivakumar	Reviewer for National conference on energy efficient mechanical system design and manufacturing at PSG College of technology, Coimbatore. March 2011.
	Doctoral committee member for three students in P.S.G College, Dept. of Mechanical Engineering, Coimbatore, affiliated to Anna University.
	Member of the Board of Studies in Aeronautical Engineering of the Karpagam University, Coimbatore, 2012
	Reviewer for ASME 2013 Gas Turbine (GT) India Conference conducted by ASME International GT Institute and CSIR-National Aerospace Laboratories, Bangalore. December 5-6, 2013.
Dr. J. Chandrasekhar,	Selection Committee Member of Scientist 'G' in ISRO. Bangalore. February 2013
Dr. Latha Parameswaran	Member in the Recruitment Board for Research Associate recruitment for funded projects, Avinashilingam University
	Served in the Advisory committee in National Conference On Recent Trends And Advances In The Field Of Information Technology (NCIT 2011), Karpagam University
	Served in the Technical Programme Committee in the International conference on Recent Advances in Intelligent Computational Systems -RAICS', SCTCE, Trivandrum
	Board of studies member for B-Tech(CSE) and MCA, Karpagam University
	Board of studies member for MCA, GRG College of Applied sciences
	Board of studies member for BTech(CSE) and MCA, Kumaraguru College of Technology.
	Member of the Doctoral committee, Anna University, Chennai, Bharathiar University, VIT, and Avinashilingam University
	Board of studies member for MSc(SE) and MCA, PSG College of Technology
Dr.N.Radhika,	Served as a Chief Guest and resource person to deliver a lecture on the topic "NS2", PPG college of Technology, Coimbatore
	Served as a technical committee member for International conference on wireless technologies for Humanitarian relief, Amrita Vishwa Vidhyapeetham, Amritapuri.
	Editor of -- Special Issue "Emerging Trends in Wireless Applications and Technologies", (Journal) of IJGC
	Advisory committee member for the National conference on emerging trends (NCET'12), PPG institute of Technology, Coimbatore
	Advisory Committee member of the national level conference on computation and communication, Kalaigarnar Karunanidhi Institute of Technology

	Member of board of studies MCA, Kongu Engineering College Erode
	Advisory Committee member at the national conference on emerging trends, PPG Institute of Technology, Coimbatore
	Doctoral Committee member, Anna University
Mrs C.K.Shyamala	Board of Studies – Computer Applications, PSG College of Arts and Science

c) Editorial Boards d) any other (please specify)

Dr. K.K. Sasi	Member of Editorial Board, Energy Efficiency Manager, published by SEEM, Trivandrum, from July 2007 onwards
	Member of Editorial Board of Bhavishya – Journal of Engineering Research, from March 2009 onwards
Dr. S. Balamurugan	Editorial member for International Journal of Electrical and Electronics Engineering Research and Journal of Electrical and Control Engineering
Dr.K.B.Anand	Reviewer in Journal of Materials in Civil Engineering, American Society for Civil Engineers.
Dr.K.M.Mini	Reviewer in (i) Journal of Structural Engineering and Mechanics, Technopress, (ii) Journal of Irrigation Engineering, American Society for Civil Engineers.
Dr.S.P.Anbuudayasankar	EDITOR-IN-CHIEF - International Journal of Decision Making in Supply Chain and Logistics (IJDMSCL), - International Journal of Green Computing (IJGC) - IGI – Global Publishers ASSOCIATE EDITOR - International Journal of Logistics Economics and Globalisation (IJLEG) - Inderscience Publishers - International Journal of System Dynamics (IJS�D) - IGI – Global Publishers - International Journal of Operations, Systems and Human Resource Management (IJOSHRM) - International Science Press, Serial Publications GUEST EDITOR – SPECIAL ISSUES - International Journal of Enterprise Network Management (IJENM), Inderscience Publishers (Scopus Indexed) - Guest Editors: Dr. K. Ganesh and Professor S.P. Anbuudayasankar; Special Issue on “Data Analytics Techniques and Heuristics for Complex Supply Chain Network Problems”; Vol.3, Issue 3, 2009.

	• Guest Editors: Prof. Rainer Leisten, Dr. Immanuel Edinbarough, Dr. K. Ramesh Kumar and Dr. S. P. Anbuudayasankar; Special Issue on “Simulation and Optimisation in Manufacturing Systems and Supply Chains” • International Journal of Value Chain Management (IJVCM), Inderscience Publishers (Scopus Indexed) • Guest Editors: Dr. K. Ganesh, Prof. S.P. Anbuudayasankar, Dr. Mukesh Kumar Barua and Dr. Tom Page; Special Issue on: "Empirical, Experimental, Exploratory and Analytical Research for the Smarter Supply Chain – Service and Manufacturing Industry"
Dr.M.Sivakumar (Sciences)	Journal of Nanomaterials Guest Editor 2013
Dr. G Jeyakumar	Reviewer: International Journal of Computer Science Issues (IJCSI) • International Journal of Swarm and Evolutionary Computation (SWEVO) Reviewer for CNSA 2011, NECOM 2011, WEST 2011, WiMON 2011, AICTY 2011 series held in Chennai, India. Member: • member for A2CWIC (Amrita ACM-W Celebration of Women in Computing) conducted by Amrita Vishwa Vidyapeetham on December 16-17, 2010.\ • Technical Committee for ICCA 2012 (International Conference on Computer Applications), Pondicherry.
Mr. K V Shriram	Reviewer: • WSEAS Conferences and Journals • Tata McGraw-Hill publications. • Science and Information Organization. Member:

	- International Association of Computer Science & Information Technology (IACSIT). Singapore. - Science Alert, Newyork. - Science and Information Organization. Editor: - Assistant editor in International Journal of Research in Engineering & Technology. - Section editor in International Journal of Innovative Technology and Research Editorial board member of the Sci-Pub Journal - News in Engineering. - Editorial board member of the reputed International Journal of Computer-Aided technologies

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

See Annexure – Evaluative Report – Item 27 – Faculty recharging strategies

28. Student projects

	percentage of students who have done		
Department	in-house projects including inter-departmental projects	projects in collaboration with other universities / industry / institute	
ECE	98%	2%	
Cyber	33 %	67 %	
CEN	100%		
EEE	99%	1%	
Chemical	90%	10%	
Mech	75%	25%	
IT	85.2 %	14.78 %	
Aerospace	95%	5%	
CSE	83 (B.Tech) 75(M.Tech CSE) 74 (M.Tech CVIP) 2 MCA	17 (B.Tech) 25(M.Tech CSE) 26 (M.Tech CVIP) 98 (MCA)	
Civil	100% (2008-2012 BATCH) includes inter-departmental projects – with Science Dept		Papers are published in conferences and sent for publication in journals

	80% which also includes inter-departmental projects – with Science Dept.	20% With IIT-Bombay, Metro-Rail, Hyderabad	Papers are published in conferences and sent for publication in journals

29. Awards / recognitions received at the national and international level by

See Annexure – Evaluative Report – Item 29 - Awards / recognitions received

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

See Annexure – Evaluative Report – Item 30 - Seminars/ Conferences/Workshops organized

CSE:

The department has conducted ‘The Amrita ACM-W Celebration of Women in Computing’. The department has conducted workshops “Computer Vision and Image Processing” and “Information Retrieval and Security”. The participants were researchers from other engineering institutions in Tamilnadu and other states. The workshop had technical sessions handled by resource persons from Amrita and other institutions. The workshops also had hands-on training sessions.

The department has organized several events of national and international significance. The IBM sponsored ACM International Collegiate Programming Contest (ICPC) Asia Pacific Region was conducted from 2008 onwards along with the department of Information Technology. This is the largest and most popular programming contest for students in the world. In India, this contest has been held only at two places, Indian Institute of Technology, Kanpur and Amrita University.

31. Code of ethics for research followed by the departments

The faculty members who wish to claim credit for their publication(s) are required to fill up the prescribed form in hard copy and get it countersigned by the HOD before submitting it. The plagiarism check has to be done by the concerned researcher with a set of tools prescribed to ensure authenticity of the publication.

32. Student profile programme-wise:

Course : B.Tech

Year	Total Regd	No. Passed	% of passes	No. of Distinctions	No. of First classes
2008 - 09	628	569	90.61	124	348
2009 - 10	724	679	93.78	143	396
2010 - 12	918	876	95.42	168	467

2011 - 12	939	882	93.93	165	467
2012 - 13	1006	919	91.35	180	484

Course : M.Tech

Year	Total Regd	No. Passed	% of passes	No. of Distinctions	No. of First classes
2008 - 09	130	127	97.69	47	67
2009 - 10	113	113	100	18	62
2010 - 11	173	173	100	29	96
2011 - 12	194	192	98.97	62	110
2012 - 13	236	236	100	56	143

Course : PG Diploma (WPA,WRA)

Year	Total Regd	No. Passed	% of passes	No. of Distinctions	No. of First classes
2011 - 12	26	26	100	9	13
2012 - 13	29	29	100	10	11

Course : MCA

Year	Total Regd	No. Passed	% of passes	No. of Distinctions	No. of First classes
2008 - 09	60	60	100	20	37
2009 - 10	64	64	100	16	43
2010 - 11	60	60	100	14	39
2011 - 12	54	54	100	6	33
2012 - 13	59	59	100	11	35

Course : MSW

Year	Total Regd	No. Passed	% of passes	No. of Distinctions	No. of First classes
2009 - 10	10	10	100	1	7
2010 - 11	12	12	100	5	6
2011 - 12	18	18	100	12	4
2012 - 13	16	16	100	14	2

Course : MA (Communication)

Year	Total Regd	No. Passed	% of passes	No. of Distinctions	No. of First classes
2009 - 10	19	19	100	2	17
2010 - 11	15	15	100	6	9
2011 - 12	17	17	100	11	6
2012 - 13	15	15	100	6	9

Course : BA (Communication)

Year	Total Regd	No. Passed	% of passes	No. of Distinctions	No. of First classes
2010 - 11	31	31	100	6	23
2011 - 12	43	42	97.67	7	30
2012 - 13	22	21	95.45	10	11

Course : Ph D (University - all campuses)

Year	Total Regd	No. Passed	% of passes	No. of Distinctions	No. of First classes
2008 - 09	3	3			
2009 - 10	6	6			
2010 - 11	11	11			
2011 - 12	21	21			
2012 - 13	20	20			

33. Diversity of students

Cyber

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Tech Cyber Security	5%	20%	75%	

English

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Ph.D	nil	nil	100%	nil
Int. M.A.	nil	nil	nil	nil

MSW

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MSW	--	100%	78%	--

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

For students with admission status active during the report period:

S. No.	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SLET qualified	# qualified in other exams
1.	Centre for Cyber Security		23				
2.	Chemical	Nil	22	13	9	Nil	12
3.	Civil Engg.	--	12				
4.	Aerospace		45	10	1		11
5.	Department of Social Work	4	--	--	--	--	--

For passed out students who got the NET/SLET/GATE etc results during the report period:

S. No.	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SLET qualified	# qualified in other exams
1.	ECE	NA	46	35	24	NA	22
2.	Centre for Cyber Security		44				
3.	Civil Engg.	---	18	4	2		MAT-1 TOEFL-2
4.	Mechanical Engineering	Nil	17	17	Nil	Nil	Nil
5.	Aerospace		2				
6.	Department	3	--	--	--	--	--

	of Social Work						
7	CSE		4	35	11		

35. Student progression
ECE

Student progression	Percentage against enrolled
UG to PG	30%
PG to M.Phil.	NA
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	0
Employed	
• Campus selection	60
• Other than campus recruitment	10
Entrepreneurs	1%

Cyber Security

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	15%
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	75%
• Other than campus recruitment	25%
Entrepreneurs	

EEE

Student progression	Percentage against enrolled
UG to PG	12 %
PG to M.Phil.	Nil
PG to Ph.D.	3.9 %
Ph.D. to Post-Doctoral	
Employed	85%
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	0.83 %

English

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	Course work in progress – 2 Dissertation in progress-1
Ph.D. to Post-Doctoral	NA
Employed	NA
• Campus selection	

Student progression	Percentage against enrolled
• Other than campus recruitment	
Entrepreneurs	NA

Chemical

Student progression	Percentage against enrolled
UG to PG	21%
PG to M.Phil.	NA
PG to Ph.D.	33%
Ph.D. to Post-Doctoral	Nil
Employed	
• Campus selection	76.5% (excluding 2013)
• Other than campus recruitment	10%
Entrepreneurs	2 %

Mech

Student progression	Percentage against enrolled
UG to PG	10 %
PG to M.Phil.	-----
PG to Ph.D.	5 %
Ph.D. to Post-Doctoral	-----
Employed	No of Students placed
• Campus selection	2005-2009 = 96
• Other than campus recruitment	2006-2010 = 103
	2007-2011 = 101
	2008-2012 = 92
	2009-2013 = 111
Entrepreneurs	5%

MSW

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	18.75%
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	

Aerospace

Student progression	Percentage against enrolled
UG to PG	27%
PG to M. Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	73%
• Other than campus recruitment	-

Student progression	Percentage against enrolled
Entrepreneurs	

CSE

Student progression	Percentage against enrolled
UG to PG	20%
PG to M.Phil.	NA
PG to Ph.D.	20%
Ph.D. to Post-Doctoral	NA
Employed - Campus selection - Other than campus recruitment	78%
Entrepreneurs	2%

36. Diversity of staff

Department	Nos/ Percentage	Course completed from Amrita	Faculty from same state	Faculty from other state	Faculty from other countries	Total
Chemical	Nos	1	8	8	0	17
	Percentage	6	47	47	0	100
CEN	Nos	5	2	1	0	8
	Percentage	63	25	13	0	101
CSE	Nos	9	31	3	0	43
	Percentage	21	72	7	0	100
IT	Nos	8	7	6	0	21
	Percentage	38	33	29	0	100
SCIENCES	Nos	4	15	6	0	25
	Percentage	16	60	24	0	100
AEROSPACE	Nos	1	4	4	0	9
	Percentage	11	44	44	0	99
CIVIL	Nos	0	5	10	0	15
	Percentage	0	33	67	0	100
ASCOM	Nos	0	8	5	0	13
	Percentage	0	62	38	0	100
ENGLISH	Nos	0	6	5	0	11
	Percentage	0	55	45	0	100
MATHS	Nos	1	12	8	0	21
	Percentage	5	57	38	0	100
MECHANICAL	Nos	15	25	12	0	52
	Percentage	29	48	23	0	100
MSW	Nos	0	4	1	0	5
	Percentage	0	80	20	0	100

ECE	Nos	18	24	14	0	56
	Percentage	32	43	25	0	100
CSE	Nos					0
	Percentage					
EEE	Nos					0
	Percentage					0
CYBER SECURITY	Nos					0
	Percentage					0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

S. No.	Name of faculty	Name of Advanced Degree (include specialization)	Month & Year of Passing
1.	Dr.C.Santhosh Kumar	Ph.D	August 2011
2.	Dr.S.Veni	Ph.D	September 2012
3.	Dr Gireesh Kumar T	PhD (Artificial Intelligence)	November,2011
4.	Dr.M.AnandKumar	Ph.D-NLP	March2013
5.	Dr. S. Balamurugan	Ph.D.	2010
6.	Dr. R. Jayabharathi	Ph.D.	2010
7.	Dr. K.C. Sindhu Thampatty	Ph.D.	2011
8.	Dr. M.R. Sindhu	Ph.D.	2012
9.	Dr. P. Supriya	Ph.D.	2013
10.	Dr. V. Vanitha	Ph.D.	2013
11.	Dr.S.Mahadevan	Ph.D(Nuclear Physics)	Feb 2009
12.	Dr.P.Prema	Ph.D(Nuclear Physics)	May,2011
13.	Dr.A.Umamaheswari	Ph.D(Nuclear Physics)	Oct,2010
14.	Dr.T.G.Satheesh Babu	Development of Non-Enzymatic Electrochemical Sensors for Glucose and Ascorbic Acid	June 2010
15.	Dr.N.Poongothai	Corrosion Science	Feb,2009
16.	Dr.P.Thilagavthy	Ph.D(Corrosion inhibitors)	July 2012
17.	Dr.S.Guhan	Fuel cells	2011
18.	Teena V.	M.Phil	June 2012
19.	Karthikeyani G.	Ph.D	May 2013
20.	Dr. K. Jayanarayanan	PhD (Polymer Technology)	June 2011
21.	Dr. M. Kannan	Ph.D (Polymer Technology)	June 2012
22.	Dr. Meera B. Sasikumar	Ph.D (Polymer Technology)	December 2011
23.	Dr. Kanagasabhai	PhD (Chemical Engg)	2011
24.	Dr.K.M.Mini	Ph.D –Structural Engg.	July 2008
25.	Dr.S.P.Anbuudayasankar	PhD – Supply chain and Logistics	2011
26.	Dr.M.Elangovan	PhD – Condition Monitoring	2012
27.	Dr.N.Radhika	PhD – Composite Materials	2012

28.	Dr.Babudevasenapathy	PhD – Condition Monitoring	2012
29.	Dr.Sanjivi Arul	PhD – Surface Alloying	2013
30.	Dr.J.Gokulachandran	PhD - Industrial Engineering	2013
31.	Dr.R Padmanaban	PhD - Engineering Design	2013
32.	Dr.K R Priya	PhD In Anthropology	Sept.28 th 2010, University of Mysore
33.	Dr.K. Umamaheswari	M.Phil	June 2011, Bharathiyar University
34.	Dr. Kumar Abhishek	Ph.D, Discrete Mathamatics	October 2010
35.	Dr. Arul Doss	Ph.D, Semi Ring Theory	2012
36.	Dr. Punnamchandrar Bitla	Ph.D, Fluid Dynamics	2013
37.	Dr. S.Kiruthika	Ph.D, Fractional Differential Equations	2012
38.	Dr. T. Palanisamy	Ph.D, Wavelet Transform & Regression Analysis	2013
39	Dr.(col).P.N.Kumar	PhD in CSE	September 2013
40	Dr.G.Jeyakumar	PhD in CSE	August 2013
41	Dr.T.Senthil Kumar	PhD in CSE	July 2013
42	Dr.R.Karthi	PhD in CSE	November 2010
43	Dr.N.Radhika	PhD in CS	December 2008

38. Present details of departmental infrastructural facilities with regard to

a) Library

DEPARTMENT	BOOKS	
ECE	845	
CYBER SECURITY	668	
CEN	1500	
EEE	500	PROJECT REPORTS
ENGLISH	930	
CHEMICAL	618	
CIVIL	277+ 52(transferred from Cent. Library	Project reports: 26; IS Code: 43; BIS Special Publications: 6; Conference Proceedings: 14
MECHANICAL	3460	719 project Reports
AEROSPACE	24	
CSE	946 Books	142 journals and 84 magazines. 462 – e-resources

b) Internet facilities for staff and students

- Internet facilities are provided for all the faculty members

- Individual Desktop PC for Professors and Associate Professors.
- One computer with Internet connection for four staff members
- For students the internet facilities are provided in the computer labs

c) Total number of class rooms

S.No.	Department	Number of Class Rooms
1.	ECE	16
2.	Cyber	2
3.	CEN	6
4.	EEE	14 Class rooms and 2 Seminar hall
5.	Chemical	4 + 1 common class room for Elective
6.	IT	8
7.	Civil	4 + 1 for elective subject
8.	MSW	5
9.	Mechanical	19
10.	Aerospace	4 + 1 elective class room
11.	CSE	11

d) Class rooms with ICT facility

S.No.	Department	Number of Class Rooms with ICT facility
1.	ECE	4
2.	Cyber	2
3.	CEN	Video projector available in all class rooms
5.	Chemical	Video projector and OHP available in all class rooms
6.	IT	1
7.	Civil	4 + 1 for elective subject
8.	MSW	2
9.	Aerospace	Video projector and OHP available in all class rooms

e) Students' laboratories

The following is the list of Workshops and Laboratories

1. Aero Design Laboratory
2. Aerodynamics Laboratory
3. Aero structures Laboratory
4. Aircraft on Job Training Hanger
5. Amrita Cognizant Innovation Lab
6. Amrita Multi-Dimensional Data Analysis Lab
7. Automotive Engineering Laboratory
8. Basic Electronics Laboratory
9. Basic Electrical Engineering Laboratory
10. Basic Physics Laboratory
11. Basic Workshops (Carpentry, Foundry, Sheet Metal, Product, Welding)
12. Biosensor Research Lab (Physics Lab)
13. CAD / CAM Laboratory
14. Carpentry Workshop
15. Chemistry Laboratory (Inorganic / Organic / Physical / Technical Analysis)
16. Chemical Reaction Engineering Laboratory

17. Communication Engineering Laboratory
18. Computational Modelling Laboratory
19. Computer Laboratories
20. Construction Materials Laboratory
21. Cyber Security Laboratory
22. Digital Design laboratory
23. Digital Signal Processing Laboratory
24. Dynamics Laboratory
25. Electrical Machines and Control Laboratory
26. Electrical Workshop
27. Electronic Devices and Circuits Laboratory
28. Electronics Workshop
29. Electrical Measurements and Instrumentation Laboratory
30. Embedded Systems Laboratory
31. Foundry Workshop
32. Environmental Engineering Laboratory
33. Fluid Mechanics and Machinery Laboratory
34. Fluid Power Laboratory
35. Geo-technical Laboratory
36. Heat and Mass Transfer Laboratory
37. Instrumentation Laboratory
38. Language Laboratory
39. Lathe Shop
40. Machine Dynamics Laboratory
41. Machine Intelligence Laboratory
42. Mass Transfer Laboratory
43. Material Testing Laboratory
44. Mechanical Operations Laboratory
45. Metal Forming Laboratory
46. Metallurgy Laboratory
47. Metrology Laboratory
48. Microprocessor and Microcontroller Laboratory
49. Microwave and Fibre Optics Laboratory
50. Mobile Application Development Laboratory
51. Mobile & Wireless Networks Lab
52. Multimedia Centre
53. Polymer Chemistry and Materials Laboratory
54. Polymer Processing Laboratory
55. Polymer Testing Laboratory
56. Power Electronics Laboratory
57. Press Shop
58. Process Control Laboratory
59. Product Detailing Laboratory
60. Product Invention and Development Laboratory
61. Product Workshop
62. Propulsion Laboratory
63. Renewable Energy Laboratory
64. RF and Microwave Laboratory
65. Robotics and Automation Laboratory
66. Sheet Metal Workshop
67. Special Machines Shop

- 68. Strength of Materials Laboratory
- 69. Survey Laboratory
- 70. Thermal Engineering Laboratory
- 71. VLSI Design Laboratory
- 72. Welding Workshop
- 73. Wind Tunnel Laboratory

f) Research laboratories

Cyber	ONE
Chemical	
1	Materials Chemistry and Research Laboratory (MCRL)
2	Solar Energy and Optoelectronics Laboratory (SEOL)
3	Advanced Electrochemistry and Energy Systems Laboratory (AEES)
Mechanical	
1	DRDO Lab (welding)
2	DST – Materials Development lab

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

b) from other institutions/universities

See Annexure – Evaluative Report – Item 39 -List of doctoral, post-doctoral students and Research Associates

40. Number of post graduate students getting financial assistance from the university.

Mechanical

S.No.	Name of student	Programme	Year of Enrollment	Scholarship Amount
1	Mr.PRAKASH MARIMUTHU	Teaching Assistant	2011	5000
2	Mr.UNNIKRISHNAN	Teaching Assistant	2011	5000
3	Mr.HARI PRASAD	Teaching Assistant	2011	5000
4	Mr.NITIN K P	Teaching Assistant	2011	5000
5	Mr.KAILASNATH K	Teaching Assistant	2012	6000
6	Mr.VIDHUN V R	Teaching Assistant	2012	6000
7	Mr.THENARASU	Teaching Assistant	2012	6000
8	Mr.KRISHNAN S	Teaching Assistant	2013	6000
9	Mr.HARIHARAN	Teaching Assistant	2013	6000
10	Mr.PRAVEENKUMAR T	Teaching Assistant	2013	6000

CSE

S.No.	Name of student	Programme	Year of Enrollment	Scholarship Amount
1	DHAN V SAGAR	MTech, CSE	2013	Rs.5000 per month
2	PALLAVI M	MTech, CSE	2013	-do-
3	PEDADA VENKATA RAJEEV	MTech, CSE	2013	-do-
4	RADHA K	MTech, CSE	2013	-do-
5	RADHESH KUMARAN	MTech, CSE	2013	-do-
6	RADHIKA P R	MTech, CSE	2013	-do-
7	SEETHAL K	MTech, CSE	2013	-do-
8	SHABANA S	MTech, CSE	2013	-do-
9	SUGANYA V	MTech, CSE	2013	-do-
10	THEKKUDAN BABJI STANLEY	MTech, CSE	2013	-do-
11	ATHIRA ARAVIND	MTech, CVIP	2013	-do-
12	MEERA M	MTech, CVIP	2013	-do-
13	NEVETHA M P	MTech, CVIP	2013	-do-
14	SHRIDHAR S KINI	MTech, CVIP	2013	-do-
15	Sonu	MTech, CVIP	2012	-do-

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes.

Usually a survey is conducted to evaluate the feasibility of commencing the course. The departments of the School conducts a study about the programme and the demand of students on the institutions already offering it.

Assessment is based on the need of the students in the corporate world in terms of competence and requirement and also on the basis of local newspaper reports

Meetings are conducted with senior fellows/professors in the field and a proposal are prepared and sent for approval to Vice Chancellor through Dean Engineering /Dean – Post Graduate Programmes

42. Does the department obtain feedback from
ii. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

All faculty are involved in curriculum design and development.

The feedback on curriculum is discussed in department meetings / group mail.

Based on the feedback from the faculty, improvements will be made in the next curriculum and steps will be taken to give more input to students based on the assessment of teaching-learning-evaluation.

Suitable remedial measures are taken during the Board of Studies and revisions in the curriculum are performed accordingly.

Sample: Please see Annexure 3 for report of a visit by a professor to MIT (Pune) and feedback on the curriculum.

- jj. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. The feedback from students help us in strengthening the staff by giving them adequate help, introducing new topics based on the needs of the students, etc. Students give feedback on staff and teaching – learning – evaluation during class committee meetings as well as at the end of the semester. The feedback is analyzed and individual faculty members are apprised of the same for appropriate action. Regular faculty development programs are being conducted internally, monitored by senior faculty members and feedback is provided to faculty for self improvement.

- kk. alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes. The feedback from alumni and employers are considered very seriously and based on that either modifications in curriculum or addition of new elective courses are made.

The feedback from employers are obtained as when their representatives visit the campus for recruitment, guest lectures etc., by the CIR and the departments.

Several industry oriented electives are being introduced in the curriculum based on such feedback obtained.

43. List the distinguished alumni of the department (maximum 10)

See Annexure – Evaluative Report – Item 43 - List the distinguished alumni

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

See Annexure – Evaluative Report – Item 44 -student enrichment programmes

45. List the teaching methods adopted by the faculty for different programmes.

Apart from talk and chalk, the following teaching methods are adopted.

- Slide / power point presentations
- Video presentation
- Case study presentation
- Seminar presentation by students
- NPTEL video lectures
- Mini projects
- Field work
- Tutorials / assignments
- Regular conduct of quizzes for continuous evaluation
- Guest lectures by experts from industry / academia
- GATE / CAT / GRE coaching classes
- Summer/Winter schools of institutions with good national repute.

- Remedial classes for weak students

The communicative language teaching method is generally adopted in the teaching of English language. As part of it students are encouraged to take up pair work, team work, practical work, independent assignments, group assignments, seminars and presentations.

Students are encouraged to participate in technical contests conducted by leading software enterprises like “Microsoft Project Contest”, “IBM – The Great Mind Challenge”, etc. as they are closely related to the courses their study. This has created a competitive spirit among the students and they have also won a few prizes.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The programme objectives are ensured by

Counselling:

The School has a system in place to continuously monitor every student (both UG and PG). Each student of a class is assigned to a advisor/counsellor who keeps track of his/her performance, both academic and non-academic. The advisor/counsellors meet the students assigned to him/her and discusses on matters both personal and academic and help in sorting out the shortcomings. The slow learners are assisted by the student counsellors to reschedule their academic program so that they can complete their studies in the shortest possible time.

Class committees:

For every programme there is a class committee which comprises of faculty handling the classes and student representatives. This committee meets frequently (usually at the beginning of every semester and after every periodical test) and discuss the progress of each course and analyse the performance of the class and also discuss any issues in the conduct of the classes.

Course Mentors:

- Campus Mentors are elected for each courses in every campus based on expertise in the corresponding course
- A Chief Mentor is elected among various campuses based on experience and expertise
- Chief mentor prepares the common course plan by consulting campus mentors and circulate it to course teaching faculty to regulate the courses
- Campus mentors are flexible to offer a question paper for periodic evaluation system
- Chief mentors are authorized to offer an end semester question paper through single window system for multi campuses
- Common courses are being evaluated by circular valuation system to regulate and maintain the uniformity in evaluation strategy

Additionally

- Efforts to improve the placement in core companies – additional training is being provided towards this objective to the students after then complete their third year

- Counseling and technical support provided to students for competitive exams like GATE & GRE (including facilitating coaching on campus)
- Increased emphasis on publishing of work done in student projects (final year curricular projects)

As a result

- Senior engineers from industry and entrepreneurs are enrolling in our Masters programs which is graded as the one of the best in the country
- Students are getting placed in reputed industries
- Industries are repeatedly recruiting our students based on the performance of our earlier students
- Students are continually enrolled for higher studies in reputed institutions in India and abroad
- Our students continually qualify competitive examinations like GATE, CAT, GMAT, GRE, TOEFL, etc., and some of them flare in the top

The Board of Studies is convened every four years, to refresh the Curriculum. The BoS members are drawn from varied back grounds ranging from academia to Industry.

47. Highlight the participation of students and faculty in extension activities.

Students

Students participate in large numbers in the campus celebrations like Amritotsavam, Institution Day, Gurupoornima, Gokulashtami, Anokha, AMMA'S Birthday, sports and amritavidya programme.

Students volunteer in the National Service Scheme and Youth Red Cross. They indulge in a wide range of activities like Blood detection camps, blood donation, hygiene education, providing educational and health aid to the rural children.

They also participate in Amala Bharatham Cleaning (ABC) Drive which is organized at various parts of the country (like Sabarimala temple premises and the Pampa lake, and public amenities in Coimbatore), in anti-plastic campaign, technical competitions, social & religious events and in various cultural seminars and workshops.

Students volunteer whole-heartedly in serving the large number of people who gather during AMMA's visits.

Camps are also organized for development of durable community assets like roads, canals, sanitation and other similar projects.

Faculty:

Class time table preparation, department academic coordinator, members in anti-ragging committee, funded projects, class advisor and class counsellor role, course mentor, class committee convenor, placement coordinator, coordination of the activities of various forums such as Amritotsavam,

Institution day, Anokha etc., department library management, advisory role of the department association, conduct of faculty meetings, coordination work during celebrations like Gurupurnima, Gokulastami, etc., accreditation work, admission related work, etc

ECE

IETE Students Forum – (ISF) – A national Level Body with a student branch hosted by the ECE Department. Conducts Workshops as an add on learning process.

CSE

Faculty members in the department are actively involved in extension activities of the University. Some of them are listed below:

- Faculty members serve as visiting faculty for other courses run by other departments and other schools.
- Some faculty members serve as Member of Board of Studies of other academic programmes.
- The department conducted a National level Technical symposium for Higher Secondary school students “INFOBLAZE” in December 2003.
- Mr.V.Ananthanarayanan, programme officer of NSS Unit V of Amrita University with a team of undergraduate and postgraduate students and faculty members conducted an awareness programme for the welfare of students of Government Tribal Residential School at Mavoothampathi.
- Ms.K.Nalinadevi, Mr.A.K.Sumesh, Ms.G.R. Ramya and Ms.Dhanya.M.Dhanlakshmi conducted the Microsoft Technical Associate Level Certification exam in the campus with 320 students registering for the exam in various streams like .Net Fundamentals, Database Administration Fundamentals and Networking Fundamentals. A team of special trainers from EduKinect, Hyderabad were invited to train the students.
- The student members of FOSS club under the guidance of the faculty members Mr.V.Adinarayanan, Ms.V. Smrithi Rekha and Mr.D.Venkatraman has conducted various workshops and demo on
- Prof. P.N.Kumar was the secretary of Amrita Alumni Association for two consecutive terms.
- Ms. N. Lalithamani was a member of Amrita Yuav Dharma Dhara (AYUDH) programme at Ettimadai.
- Ms. V. Smrithi Rekha is a member of the Yoga and Cultural Education core group of the University. She is handling the cultural education classes for the first year B.Tech students. She has conducted various student development programmes like Art of Learning.
- Mr. V. Ananthanarayanan has served as a Programme Officer of National Service Scheme (NSS)

- The department releases bi-annual magazine “Technoscope” in collaboration with the members of the Technknowlogy club with articles contributed by faculty members and students of the department.
- Vision – Eye Donation Motivation Forum was inducted by Mr.D.Venkatraman in 2011 with 300 faculty members and 20 faculty members to create awareness among community people on Eye Donation and motivation of participants for Eye Donation.
- About 160 students and 16 faculty members joined the Amala Bharatham Clean-up Drive (abcd), a university initiative to clean Gandhipuarm bus stand, Kuniyamuthur and surrounding areas and to create awareness on clean environment among public.
- About 35 students and faculty mebers celebrated 2010 Diwali with the students of the tribal school, Arasu Pazhangudiyinar Uraividam School at Maavuthampathi.

48. Give details of “beyond syllabus scholarly activities” of the department.

The students are encouraged to participate / present papers in a various competitions and seminars. The last working hour of each day is left free for students to interact with faculty members on academic as well as out of academic activities. Students work in non syllabus areas resulting in publications.

All the latest developments relevant in the Department is continuously monitored through internet search of various universities. For example, in the Centre for Computational Engineering and Networking, Crowd funded projects happening in US and elsewhere are continuously monitored for incorporating into syllabus for experimental learning.

The Department of English encourages students to write articles for the wall journal and for the college magazine. They are involved in activities like debates and discussions. This helps them in expressing themselves on a particular topic. Students also organize language games during class hours.

Our students and faculty are participating and winning prizes from International BAJA (SAE International) events in Race Car Design and Fabrication. We are the only Indian Team to clear Endurance Test and to be ranked as the first among the six Indian Teams which participated. Our students participate regularly in the “Automotive Engineers - BAJA Workshop (SAE INDIA)” competitions.

Our students participate in the EFFI-CYCLE competition which is conducted to access the design and development of the green and efficient cycles that are eco-friendly, thus providing an opportunity for engineering students to set up a trend of using vehicles in India and pioneering the creation of innovative designs. The dire need to tackle real world engineering problems, working in multidisciplinary teams, practicing design for manufacturability, and managing a full product development life-cycle has made the essence of the event worth the rebellious spirit of competition.

SAE-INDIA organizes SUPRA SAE-INDIA every year, and students from

Engineering Institutes all over India participate in large numbers. This event provides a real world engineering challenge to the students since it involves the entire automotive life-cycle starting from engineering to production, followed by marketing and endurance testing.

Department of Social Works takes up E- Literacy campaign and implementing the program with Governmental level NGOs by adopting a Panchayat.

Apart from the above staff and students get involved in the following environmental issues:

- a) Energy conservation :
 - Regular Awareness campaigns
 - Planned power shutdowns in hostels during periods of low occupancy.
 - Phasing out of incandescent lamps and partial phasing out tube-lights in favor of CFLs.
 - Minimizing of air conditioner use through management controls
- q) Use of renewable energy
See use of firewood below
- r) Water harvesting :
 - Seepage pits near the academic blocks to collect roof drainage.
 - Large scale tree plantation has improved ground percolation of rainwater.
 - Partial terracing of the land has reduced surface runoff.
- s) Check dam construction
 - Several check dams have been constructed on streams originating in the neighboring mountain. There are periodically desilted and maintained.
- t) Efforts for Carbon neutrality
 - Large scale tree plantations within campus and in neighboring village
 - Use of firewood for part of the kitchen boiler heating needs (campus grown wood is carbon neutral)
- u) Plantation
Please See above
- v) Hazardous waste management
 - The only hazardous waste that we generate are from the chemicals that are generated during the regular lab experiments involving the ordinary chemicals used in the UG studies. These chemicals are collected in separate containers and discharged at the engineered land sites.
- w) e-waste management
 - Collection, segregation and sale to buyers in the city.
 - We are also planning to recover the precious metals (mixed metals without separating them into individual metals) from the PCBs (E Wastes) and convert them into jewellery using the

skills of the local artisans. This process will involve minimum consumption of energy, minimum generation of chemical wastes, minimum capital investment and use of locally and abundantly available skills of the artisans. We are also planning to convert this mixed metal waste in to coins (monetary instruments) so that all the governments all over the world can use this application for the conversion of the mixed metals recovered from the PCBs with minimum environmental impacts.

x) any other (please specify)

- Preserving local plant biodiversity
- Creating awareness about local plant biodiversity
- ETPs and use of reclaimed water for gardening.
- Minimal pesticide and agrochemical use on campus

CSE

The faculty members were involved in the conduct of The Amrita ACM-W Celebration of Women in Computing. In 2010, Dr. Latha Parameswaran gave the welcome note and Dr. Vidhya. B delivered the conference report urged the use open source paper formatting tools. The participants took a pledge of “Anti Plagiarism” led by Ms. Smrithi Rekha. In 2013, Dr.Latha Parameswaran and Ms. Smrithi Rekha with the team of faculty members of the Computer Science and Engineering department conducted the second edition of the Conference for three days.

The department has conducted workshops “Computer Vision and Image Processing” and “Information Retrieval and Security”. The participants were researchers from other engineering institutions in Tamilnadu and other states. The workshop had technical sessions handled by resource persons from Amrita and other institutions. The workshops also had hands-on training sessions.

The department has organized several events of national and international significance. The IBM sponsored ACM International Collegiate Programming Contest (ICPC) Asia Pacific Region was conducted from 2008 onwards along with the department of Information Technology. This is the largest and most popular programming contest for students in the world. In India, this contest has been held only at two places, Indian Institute of Technology, Kanpur and Amrita University.

The Association of Students of Computer Science for Information Interchange (ASCI) is the technical association of the CSE Department. It was established in the year 1997. It started with 195 (students) members both student and faculty in 1997. It is an union of the undergraduate students (B.Tech - Computer Science and Engineering), post graduate students (MCA, M.Tech -Computer Vision and Image processing and M.Tech - Computer Science and Engineering) and faculty members. The association helps the students enrich their life by hosting both technical and social events. The technical events includes but not limited to group discussions, technical demos, seminars, industry workshops, programming and gaming contests. The social events include conducting workshops and weekend classes for school students, fresher welcome, farewells and much more.

Free and Open Source Society at AMRITA was inaugurated by Dr S. Srinivasan, Project Scientist, National Resource center for Free / Open Source Software (NRCFOSS) on 1.9.2008 at Amrita School of Engineering, Coimbatore. He discussed about the Development and Deployment of various FOSS Tools, Technologies, Products, Architectures and Solutions in various application domains.

The FOSS activities are coordinated by Mr. D.Venkataraman Asst Professor, CSE Department.

“Technology makes it possible for people to gain control over everything, except over technology” , said John Tudor. Nevertheless this has proved to be true always over the past and will be in the future. Technology is so much fun, but the probability of drowning in it is high. Amrita was not an exception. The feel of this craze crept into the students of Amrita and led to the launch of the Microsoft campus club in Amrita school of Engineering, Coimbatore on 26th March 2008 as TECH{KNOW}LOGY club. The club was initiated by the Microsoft Student Partners and has 500 members. It is hoped that the students would benefit immensely viz. understand and learn the importance of teamwork, team spirit and have fun doing projects. They would have the access to the MSDNAA - Microsoft Developer Network Academic Alliance, the Microsoft official portal for downloading and learning more on Microsoft technologies. The MSDNAA was established along with the launch of the club, in 2008. The major objectives of the club are: Create a technical awareness among students; Improve the quality of students through learning, Make them capable individuals ready to explore beyond the horizon, Instill in them an inquisitive learning nature. Since its inception, the club has conducted many technical events on emerging technologies, such as sessions on Microsoft Visual studio 2008, Microsoft Surface, Microsoft Robotic studio etc conducted by the club had over 200 student attendees.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
 - Departments give more thrust on imparting practical knowledge to students
 - Encourages the students to share their views about new areas in core Engineering through seminars, mini/ term projects, etc.,
 - Exchanging the lectures from various resource persons in different campuses through e-learning networks.
 - Encourage the students to join with the faculty in their research programmes.
 - Identifying funding agencies which specifically provide grants to organize student workshops, faculty development programs etc.
 - All the publications by faculty, funded projects undertaken by faculty, and student projects, provide a testimony to the contributions of the department in generating new knowledge, basic or applied.
 - The departments have initiated research and knowledge dissemination in areas like:
 - o Electromagnetic Characterization of Fly ash for the purpose of effective utilization in electronic applications (ECE)
 - o Electromagnetic Characterization of Eco sand for the purpose of effective utilization in electronic applications (ECE)
 - o E- Literacy Program (MSW)
 - o Horse Cart Program (MSW)
 - The Department of English has designed and is teaching a course on *Indian Thought through English* has brought about some awareness about the

greatness of Indian writers and also helped them to take a peep into the heterogeneous Indian populace along with its pains and pleasures which they have not been hitherto exposed.

- Frequent interaction of faculty members, with substantial contribution to science, will interact with school students to embed science in their minds.
- Persons of National repute will be invited to interact with the students and faculty members.
- Associating with organizations like National Academy of Sciences to conduct quality workshop/seminars/symposium.
- Eminent faculty from Internationally acclaimed universities and experts from industry are part of the faculty base.
- Departments of the School design elective courses and modernize the curriculum and syllabi, in accordance with recommendations from leading companies and national labs like WRI, DRDO, Bosch, L&T, etc.
- Exchange programs for both students and faculty with top-notch global universities & industries like:
 - Internships at IITs
 - Internships with companies like Pratt & Whitney Aerospace, Singapore
 - Internships & projects with national labs and premier companies in the country, like; NAL, HAL, ISRO, DRDO, WRI, Honeywell, Ford, Caterpillar, Roots India Ltd., L&T, Bosch, TVS group, etc.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Qualified, Experienced, Motivated and Dedicated Team of faculty members with a balanced blend of teaching and research interests, and diversity in terms of experience (Teaching, Research, Administration and Industry).
- School is receiving funded projects from various funding agencies like DST, DRDO, NAL, BARC, CWET, AICTE, Ministry of IT, ISRO, DRDO, NPOL, MHRD, DIT, CDAC, and Coconut Development Board, Government of India and Industry for carrying out the research work in the advanced fields. The areas include solar, wind, smart grid, robotics, wireless sensor networks, soft computing techniques, Power Electronics, embedded systems, Drives and control system, Surface Alloying, Composite Materials, Welding, Casting.
- Centre of excellence for computational engineering and networking, cyber security advanced materials and green technologies, Biomedical engineering and Technology and environmental studies help faculty and students to pursue their research and publish quality articles in national and international journals and conferences.
- A directorate of Corporate & Industry Relations takes care of Placement, internships, consultancy, entrepreneurship development, corporate communication, life skill building, learning and development etc
- Several clubs and associations in both co-curricular, extra-curricular and societal avenues, like Shristi, Nature Club, NSS, Indian Welding Society, Society for Automotive Engineers, Automation and Robotics club, IEEE, CSI, IETE provides students with a platform for honing their skills.

Weaknesses

- Post Graduate programs needed for research progress in some departments like Information Technology, Civil Engineering and Aerospace Engineering.
- Absence of viable PG program in Chemical Engineering department, though we have qualified and experienced faculty, laboratories, library and funded projects.
- Lack of consultancy assignments with industry
- Over-riding short term (Job seeking) goals of [parents and students, limit the commitment of the students for undertaking rigorous academic and scholarly pursuits

Opportunities

- Scope for more funded projects and funding.
- Scope for more international tie-ups
- More research and consulting projects with industries
- More projects to be undertaken in alignment with Amrita's long term focus on water waste and energy.
- Establishment of Professorship-Chair by industries.

Challenges

- Balance teaching efficiency and research output for faculty
- Retaining talented faculty
- High cost of upgrading the research laboratories to meet long term objectives
- Inspiring the students to look at education as a life long process and conducting themselves accordingly
- Motivation for research at UG level

52. Future plans of the department.

Department of ECE	
Emerge as centre for providing students with a solid foundations in the field of electronics and communication engineering	
Contribute significantly towards the development of technology and dissemination of the same to the society through active industry –institute partnership	
Provide an environment of growth for the faculty members, encouraging them to excel themselves in both their professional and personal lives.	
Contribute effectively to the overall development of Amrita Vishwa Vidyapeetham	
CEN	
Development of sanctioned center of excellence (MHRD) into a state of the art center	
Department of Sciences	
Academic programme	To strengthen the Five- Year Integrated M.Sc programme (Physics and Chemistry) on par with similar programmes existing in reputed institutes in India.
	To nurture research, the department will plan to start Integrated Ph.D programme to cater to the current day-to-day need.
	To develop innovative teaching aids and techniques.
	Training students to face GATE, CSIR-NET and other competitive exams for higher studies in India/abroad.
	Effort will be made to collaborate with other reputed institutes/industries in India/abroad which include student exchange, inviting guest lectures, industry visits etc.

Research Activities	Improving the existing research sectors into multi-disciplinary to have collaboration with other campuses of Amrita University and other research institutions.
	Identifying new thrust areas and submitting research proposals to get aid from Government agencies.
	To develop state-of-art research laboratories to provide platform for the young researchers to venture into cutting edge research.
	To set-up new MOU with reputed academic/research institutions and Industries.
	Organizing workshops and conferences for national and international visibility
	Centre of Excellence in Thrust areas to attract the young research scholars to pursue their full time PhD
	Solar cells
	Nano technology/Nano materials
	Batteries and Fuel cells
	Medicinal chemistry
	Corrosion
	Biosensors
Department of Chemical Engineering and Materials Science	
Development of sanctioned center of excellence (MHRD) into a state of the art center with regular high standard output in terms of scholarly publications and presentations at prominent forums	
Start a viable PG program	
Increase number of PhD students, and facilitate sponsorship from industry and/or research grants	
Establish consultancy projects with industries	
Department of Civil Engineering	
Augmenting existing Laboratories	
P G Programme in Structural Engineering	
P G Programme in Geotechnical Engineering	
P G Programme in Const. Technology & Management	
Centre of Excellence – Infrastructure Engineering & Management	
Centre of Excellence - Environment & Water Management	
Department of Mechanical Engineering	
To set up state-of-the-art laboratories, in collaboration with external funding agencies:	
- o Automotive testing lab (TSI, and Bosch) - o Virtual Instrumentation lab (Texas Instruments) - o High-Power Computing lab (DRDL, and Internal seed funds) - o Materials lab - o Industrial Engineering lab	
To aid collaborations with foreign universities in programs like Obama-Singh Initiative, other research & academic collaborations	
- o Grenoble Institute of Technology - o The University of North Carolina at Charlotte	
To improve the existing industry-University endeavors in research & consultancy	
To provide better infrastructure, facilities and equipments to promote research and consultancy	
To encourage younger faculty towards submission of research proposals	

To enhance Alumni participation in all university activities, and thereby create a strong Amrita alumni network
To improve student involvement in sports and extra-curricular activities
MSW
To improve the visibility of the department to overcome the tough competition being given by 15 colleges offering MSW course in and around Coimbatore and attract more students from Tamilnadu.
To overcome the following: • Molding average and below average students is another challenge to reckon with. • Many field work agencies levy huge fee to our students to attend the field work. • Above all there is no lucrative job available for passed out students. • Few outstanding students alone get high profile jobs.
AEROSPACE
Development of a Centre for Composite Materials
Initiating a Masters programme.
MATHEMATICS
Department would like to take up the integrated M.Sc program to the international level. Sufficient guidance and motivation will be given to M.Sc students to pursue the Ph.D program in Mathematics.
To look for funding agencies to improve the Department library and catering to needs of Ph.D and Integrated M.Sc programs.
Department is targeting funded research projects from the funding agencies, like, DST, DRDO, NBHM. Already two research projects have been submitted to DST and NBHM.
Starting of five year integrated M.Sc program in Statistics and Informatics. Department is in the process of making proposal for the program. This is one of the successful programs in IIT-Bombay.
Setting up a Centre for Discrete Mathematics. Funding for this centre will be obtained from Department of Science and Technology (DST).
CSE
Strengthen the standard of existing UG/PG programs by revising the curriculum and syllabi to accommodate advanced research areas.
Introduce new PG Programme(s) for promoting research activities and funded proposals.
Initiate case for enhancement/ up-gradation of existing centralized labs (under ICTS) to facilitate conduct of courses in the curriculum (eg COA, N/W etc). Introduce “Distributed Systems Lab” as a common laboratory for projects, assignments and elective courses.
Introduce/ enhance existing labs for research in the four thrust areas.
Strengthen the research activities by promoting publications and proposals for funded projects as a career target for faculty members.
Initiate academic collaborations with Industries, Institutions and Universities for research activities.
Organize International/national conferences, workshops, faculty development programmes, project contests and training programmes on a regular basis
To make all students to become members in Student Chapters of National/International technical societies.

Annexure – Evaluative Report – item 10 – Number of teaching posts

Highest Qualification	Professors		Associate Professors		Assistant Professors		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.	28	7	15	12	31	18	111
M.Phil.					2	15	17
PG	5	1	1		112	94	213
UG	1					10	11
Part-time teachers							
Ph.D.	3				4		7
M.Phil.						1	1
PG	1				4	1	6

	ECE		Cyber		CEN		EEE		Science		English		Chemical		IT		Civil		Mechanical		MSW	
	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual	Sanctioned	Actual
Pro fess or	5	5	1	1	2	2	5	5	1	1	1	1	3	3	2	2	3	3	8	8	2	2
Ass ociat e Prof esso rs	4	4	0	0	1	1	4	4	3	3	0	0	3	3	0	0	0	0	3	3	0	0
Ass t. Prof esso rs	36	36	7	7	5	5	32	32	18	18	10	10	9	9	11	11	8	8	35	35	3	3
Oth ers	11	11	3	3	1	1	5	5	4	4	0	0	2	2	6	6	1	1	3	3	1	1

Civil: Plus 2 on study leave

Annexure – Evaluative Report – item 11 – Faculty Profile

18. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
Department of Electronics and Communication Engineering						
1	Prof. R. Sundararajan	B.Sc., M.E., D.I.I.Sc	Professor	Software Defined Radio, Cognitive radio network	19	
2	Dr. V. P. Mohandas	Ph.D	Professor	Computational Finance	10	2
3	Dr. M. Jaya Kumar	Ph.D	Professor & Chairperson	Wireless Communication Systems and Antennas	9	4 (in progress)
4	Dr. E. P. Sumesh	Ph.D	Professor	Multi wavelet transform applications in image/PDE/Communication	16	2 (in Progress)
5	Dr. C. Santhosh Kumar	Ph.D	Professor	DSP for VLSI, Biomedical, speech processing, Machine fault identification	12	Two(in Progress)
6	Dr. M. Nirmala Devi	Ph.D	Associate Professor	VLSI Design,	17	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
				Testing and Evolvable Hardware		
7	Dr. S. Veni	Ph.D	Associate Professor	Signal, image, video processing, wavelets	12	One (in Progress)
8	Dr. B. Bala Tripura Sundari	M. E., Ph.D	Associate Professor	High level synthesis/Nano electronics	15	
9	Dr. B. Yamuna	Ph.D	Associate Professor	Coding for wireless communication	13	
10	Ms. J. P. Anita	M. E	Assistant Professor (S.G)	VLSI Testing	17	
11	Mr. P. Sudheesh	M. Tech	Assistant Professor (S.G)	MIMO-OFDM Communication	16	
12	Ms. S. Krithiga	M. E	Assistant Professor (S.G)	Millimeter Wave MIMO	9	
13	Mr. P. V. Sunil Nag	M. Tech	Assistant Professor (S.G)	Process control, Fault detection and diagnostics in Industrial Process	8	
14	Mr. D. S. Harish Ram	M. E	Assistant Professor (S.G)	VLSI Design	5	
15	Dr. G. A.	Ph. D	Assistant	Helicity	3	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
	Shanmugha Sundaram		Professor (S.G)	Modulation Scheme		
16	Dr. N. Madhu Mohan	Ph. D	Assistant Professor (S.G)	Circuits, Biomedical Instrumentation	3	One (in Progress)
17	Ms. R. Vidhya Lavanya	M. Tech	Assistant Professor (Sr.G)	VLSI signal processing	12	
18	Mr. B. Sabarish Narayanan	M. Tech	Assistant Professor (Sr.G)	Electromagnetics, EMI/EMC, Absorber, Antennas, RF Design	11	
19	Ms. R. Lavanya	M. E	Assistant Professor (Sr.G)	Biomedical Image processing		
20	Ms. R. Karthika	M. Tech	Assistant Professor (Sr.G)	Pattern recognition, soft computing, image processing	12	
21	Mr. R. Gandhiraj	M. Tech	Assistant Professor (Sr.G)	Signal processing for wireless communication, Software defined radio, compressed sensing, GPU	5	
22	Mr. M. Ganesan	M. Tech	Assistant Professor (Sr.G)	Biomedical Signal processing	6	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
23	Ms. Karthigha Balamurugan	M. E	Assistant Professor (Sr.G)	Analog IC design	6	
24	Ms. N. Kayalvizhi	M. Tech	Assistant Professor (Sr.G)	Analog IC/Biomedical circuits	9	
25	Mr. N. Mohankumar	M. Tech	Assistant Professor (Sr.G)	VLSI Design	9	
26	Mr. K. Pargunarajan	M. E	Assistant Professor (Sr.G)	Coding for wireless communication	7	
27	Mr. Binoy B Nair	M. Tech	Assistant Professor (Sr.G)	Soft computing applications	6	
28	Mr. S. Adarsh	M. E	Assistant Professor (Sr.G)	Embedded Systems	6	
29	Mr. S. R. Ramesh	M. E	Assistant Professor (Sr.G)	High level synthesis/Low power VLSI	6	
30	Mr. R. Ramanathan	M. Tech	Assistant Professor (Sr.G)	MIMO OFDM Communication Systems	7	
31	Ms. M. Geetha Priya	M. E	Assistant Professor (Sr.G)	Low Power VLSI	4	
32	Ms. Priya Harikumar	M. S	Assistant Professor (Sr.G)	Optimization Theory	1	
33	Ms. Devi Vijayan	M. Tech	Assistant Professor (Sr.G)	Image processing		
34	Mr. J. Aravinth	M. E	Assistant	Multimodel	3	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
			Professor (Sr.G)	Biometrics		
35	Mr. E. Prabhu	M. E	Assistant Professor (Sr.G)	Low Power VLSI	3	
36	Mr. Pradeep Kumar K A		Assistant Professor (Sr.G)	Communica tion Systems	0.5	
37	Ms. J. Rolant Gini	M. E	Assistant Professor	Signal Processing	5	
38	Ms. G. Prabha	M. Tech	Assistant Professor	Antenna arrays	6	
39	Mr. C. B. Rajesh	M. Tech	Assistant Professor	Low Power VLSI	5	
40	Ms. K. U. Radhagayathri	M. Tech	Assistant Professor	Biomedical Instrumentat ion	3	
41	Mr. K. P. Peeyush	M. Tech	Assistant Professor	Embedded Systems & Robotics	3	
42	Ms. Anusha A S	M. Tech	Assistant Professor	Biomedical Instrumentat ion	2	
43	Ms. Jolly Rajendran	M. Tech	Assistant Professor	Antenna, RF Circuit design	6	
44	Ms. G. Suguna	M. Tech	Assistant Professor	Embedded systems	6	
45	Ms.N. Pratibha		Assistant Professor	Instrumentat ion	0.5	
46	Ms. Deepa N Sarma	M. S	Faculty Associate	VLSI Design	2	
47	Ms. V. Mekaladevi	M. E	Lecturer	Antenna design	9	
48	Ms. L. Vidhya	B. Tech	Lecturer	Embedded Systems	5	
49	Ms. M. Priyatharishini	B. E	Lecturer	Embedded systems	5	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
50	Ms.P.Premalatha		Faculty Associate	VLSI Design	0.5	
51	Ms.Navya Mohan		Faculty Associate	VLSI Design	0.5	
52	Ms.Anusha K S		Faculty Associate	Instrumentation	0.5	
53	Ms.T. Vasunthara		Faculty Associate	Image Processing , Digital System Design	0.5	
54	Ms. Aryalekshmi R		Faculty Associate	Signal Processing, Basic Electronics	0.5	
55	Ms.Sana M K		Faculty Associate	Bio medical	0.5	
56	Ms.Deepa Unnikrishnan		Faculty Associate	Bio medical	0.5	
TIFAC-CORE - Cyber Security						
1.	Dr M Sethumadhavan	Ph.D	Professor	Mathematics	??	8
2.	Dr Gireesh Kumar T.	Ph.D	Assistant Professor (SG)	Artificial Intelligence	6	2
3.	Girish K.P.	Ph.D	Assistant Professor (Sr)	Multiset Theory/Topology	3	
4.	ChungathSrinivasan	M. Sc	Assistant Professor	Mathematics	7	
5.	Sindhu.M	M. Phil	Assistant Professor	Mathematics	7	
6.	Amritha P.P	M. Tech	Assistant Professor (Sr)	Cyber Security	4	
7	Praveen K.	M.	Assistant	Cyber	3	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
		Tech	Professor	Security		
Centre for Computational Engineering and Networking						
1.	Dr.K.P.Soman	Ph.D	Professor & Chairman	Software Defined Radio, Wireless Sensor Networks, Interior Point Methods for Optimisation Problems, High Performance Computing, Graph Theory Based Methods for Clustering Data Sets, Machine Learning using Support Vector Machines, Signal Processing, Wavelets and Fractals	19	9

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
2.	Dr.K.I. Ramachandran	Ph.D.	Professor	Computational Methods for Solids and Fluids, Vibration Analysis, Monitoring and Control, Fault Diagnosis and Machine Learning, Molecular Simulation, Biomechanics, Biomedical Signal and Image Processing	20	12
3.	Dr. P.K.Krishnan Namboori	Ph.D.	Associate Professor	Drug Design and Delivery Systems, Computational Chemistry, Computational Material Sciences, Computational Nanotechnology	26	Nil
4.	Dr.M.Anand kumar	Ph.D	Asst Professor (SG)	Natural Language Processing and Machine	4	Nil

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
				Learning		
5.	Dr. D.Govind	Ph.D	Asst Professor (SG)	Speech Processing	6	Nil
6.	Dr. P.Geetha	Ph.D	Asst. Professor (Sr.Gr)	Remote Sensing and GIS, Disaster Managemen t, Waste Water Managemen t	15	1
7.	Mrs.V.Sowmy a	M. Tech	Asst. Professor	Image Processing	2	Nil
8.	Mr.Saravanan S	MS	Asst. Professor	Natural Language Processing, Machine Translation, Machine Learning, Morphologi cal Analysis and Generation, High Performance Computing	7	Nil
9.	Mr.Sajith Variyar.V.V	MCA	Research Associate	Wireless Sensor Networks, Embedded Systems, Software Defined Networks, Robotics	3 mont hs	Nil

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
Department of Electrical and Electronics Engineering						
1.	Dr. T. N. PADMANAB HAN NAMBIAR	Ph.D.	Professor	Power Systems	45 Year s	2
2.	Dr. K.K. SASI	Ph.D.	Professor	Wind Energy	29 Year s	4
3.	Prof. A.T. Devarajan	M. Tech	Professor	Power Electronics	43 Year s	0
4.	Prof. RADHAMANI V. PILLAY	M. Tech	Professor	Instrumentat ion and Control Systems	31 Year s	0
5.	Dr. T.B. ISHA	Ph.D.	Professor	Power Electronics and Drives	30 Year s	4
6.	Dr. K.C. SINDHU THAMPATTY	Ph.D.	Associate Professor	Power Systems	17 Year s	0
7.	Dr. R. JAYABARAT HI	Ph.D.	Associate Professor	Power Systems	15 Year s	0
8.	Dr. S. BALAMURU GAN	Ph.D.	Associate Professor	Power Systems	11 Year s	2
9.	Dr. P. SUPRIYA	Ph.D.	Associate Professor	Electronics and Control	19 Year s	0
10 .	Dr. M. R. SINDHU	Ph.D.	Assistant Professor	Power Quality	13 Year s	1
11 .	Dr. V. VANITHA	Ph.D.	Assistant Professor	Power Systems	13 Year s	1
12 .	Ms. A. VIJAYAKUM	M.E.	Assistant Professor	Applied Electronics	18 Year	0

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
	ARI				s	
13	Ms. ANJU S. PILLAI	M. Tech	Assistant Professor	Embedded Systems	16 Years	0
14	Mr. R. SHANMUGH ASUNDARAM	M.E.	Assistant Professor	Power Electronics	10 Years	0
15	Ms. K.R.M. VIJAYACHANDRAKALA	M. Tech	Assistant Professor	Power Systems	11 Years	0
16	Ms. D. KAVITHA	M. Tech	Assistant Professor	High Voltage Engineering	9 Years	0
17	Mr. S.R. MOHANRAJAN	M.E.	Assistant Professor	Power Electronics and Drives	7 Years	0
18	Mr. S. SELVAKUMAR	M.E.	Assistant Professor	Process control and Instrumentation	10 Years	0
19	Mr. S. SAMPATHKUMAR	M.Tech	Assistant Professor	Power Systems	11 Years	0
20	Mr. N. JANARTHANAN	M.E.	Assistant Professor	Power Systems	9 Years	0
21	Ms. R.R. LEKSHMI	M.E.	Assistant Professor	Power Systems	5 Years	0
22	Mr. A. SUYAMPULINGAM	M.E.	Assistant Professor	Applied Electronics	13 Years	0
23	Mr. K. MADHU	M. Tech.	Assistant Professor	Instrumentation and Control	14 Years	0
24	Mr. N. KRISHNA	M.E.	Assistant Professor	Applied Electronics	9 Year	0

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
	PRAKASH				s	
25 .	Ms. N. AARTHI	M.E.	Assistant Professor	Power Systems	7 Year s	0
26 .	Ms. D. PRASANNA VADANA	M. Tech.	Assistant Professor	VLSI Design	9 Year s	0
27 .	Ms. P. MAYA	M. Tech.	Assistant Professor	Power Electronics	6 Year s	0
28 .	Mr. P. BALAKRISHNAN	M.E.	Assistant Professor	Power Electronics and Drives	8 Year s	0
29 .	Mr. P. SIVRAJ	M. Tech.	Assistant Professor	Embedded Systems	3 Year s	0
30 .	Ms. S. PARVATHY	M. Tech.	Assistant Professor	Power Electronics	3 Year s	0
31 .	Ms. C. SHANTHI	M. Tech.	Assistant Professor	Power Electronics	6 Year s	0
32 .	Ms. R. RESMI	M. Tech.	Assistant Professor	Guidance and Navigationa l Control	5 Year s	0
33 .	Mr. N. PRAVEEN KUMAR	M. Tech.	Assistant Professor	Power Electronics	6 Year s	0
34 .	Mr. N. KATHIRAVAN	M. Tech.	Assistant Professor	Power Systems	2 Year s	0
35 .	Mr. K. VIJITH	M. Tech.	Assistant Professor	Power Electronics	3 Year s	0
36 .	Mr. T. PRABU	M. Tech.	Assistant Professor	Power Electronics	2 Year s	0

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
37	Ms. M. JISMA	M. Tech.	Assistant Professor	Power Systems	3 Years	0
38	Mr. ANU G. KUMAR	M. Tech.	Assistant Professor	Power Systems	3 Years	0
39	Ms. V. VIDYA	M. Tech.	Assistant Professor	Power Electronics	1 Year	0
40	Ms. N. KIRTHIKA	M. Tech.	Assistant Professor	Power Electronics	1 Year	0
41	Ms. M.G. SAISURIYAA	M. Tech.	Faculty Associate	VLSI Design	1 Month	0
42	Mr. K.G. LEKSHMAN	M. Tech.	Faculty Associate	Power Electronics	1 Year	0
43	Mr. M. JAYAKUMAR	M. Tech.	Faculty Associate	Power Systems	3 Years	0
44	Ms. U. SOWMYA	M. Tech.	Faculty Associate	Power Electronics	1 Month	0
45	Mr. ANUVIND	M. Tech.	Faculty Associate	Biomedical Instrumentation	1 Month	0
Department of Science						
1.	Dr.S.Mahadevan	M.Sc, M. Tech, Ph.D	Associate Professor and Head	Nuclear Physics	20	1
2.	Prof . T. Ramachandran	M.Sc, MBA, Ph.D	Professor	Electrochemistry	49	5
3.	Dr.K.S.Rajni	M.Sc. M. Phil, Ph.D	Associate Professor	Thin Film Physics	19	1
4.	Dr.M.Sivakumar	M.Sc, M.	Associate professor	Laser Materials	18	3

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
		Tech, Ph.D		Processing		
5.	Mr.S. Boopalakrishnan	M.Sc	Assistant Professor (SG)	Electroanalytical Chemistry	17	0
6.	Dr.R.Prasanna	M.Sc, Ph.D	Assistant Professor (SG)	Chemistry	12	0
7.	Dr.R.Yamuna	M.Sc, Ph.D	Assistant Professor (SG)	Organometallics	14	1
8.	Dr.P.Prema	M.Sc, M. Phil, Ph.D	Assistant Professor (SG)	Nuclear Physics	13	0
9.	Dr.Asha Sathish	M.Sc, M. Phil,Ph .D	Assistant Professor (SG)	Organometallic Chemistry, Fuel cell	13	1
10	Dr.N. Poongothai	M.Sc, M.Phil, Ph.D	Assistant Professor (SG)	Corrosion Science	10	0
11	Dr.T.G.Satheesh Babu	M.Sc, Ph.D	Assistant Professor (SG)	Biosensors	9	3
12	Dr.A.Uma Maheswari	M.Sc, M. Phil, Ph.D	Assistant Professor (SR)	Quantum Physics	8	0
13	Dr.K.T. Sathyajith	M.Sc, Ph.D	Assistant Professor (SR)	Atomic Physics	13	0
14	Ms.Lakshmi Mohan	M.Sc	Assistant Professor (SR)	Nonlinear Optics	8	0
15	Mr.O.M.Deepak	M.Sc	Assistant Professor (SR)	Chemistry [Inorganic]	12	0

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
16	Mr.T.Subeesh	M.Sc	Assistant Professor	Quantum Optics	7	0
17	Ms.T.S. Boopathi	M.Sc, M. Phil	Assistant Professor	Organic Chemistry	9	0
18	Dr.S.Guhan	M.Sc, Ph.D	Assistant Professor	Fuel Cells, Electrolyte Membranes	7	0
19	Dr.M.Kartheega	M.Sc, M. Phil, Ph.D	Assistant Professor	Biomaterials	3	0
20	Dr.P.Thilagavathy	M.Sc, M. Phil, Ph.D	Assistant Professor	Corrosion Science	7	0
21	Mr.Adithya K	M.Sc, M. Tech	Assistant Professor	Nuclear Physics	6	0
22	Dr.D. Gangadharan	M.Sc, Ph.D	Assistant Professor	Functional Polymers	1	0
23	Mr.K. Murugadass	M.Sc	Faculty Associate	Soft condensed matter physics & Optics	4	0
24	Mr.P.V.Suneesh	M.Sc	Faculty Associate	Electro Chemistry	1	0
25	Ms.Durgadevi. N	M.Sc	Teaching Assistant	Organic Chemistry	0	0
26	Ms.M.Sunitha	M.Sc	Teaching Assistant	Physical Chemistry	0	0
<u>English</u>						
1.	Prof. Subba Rao	PG - DIIP B.E (Hons)	Professor & Chairman	Petroleum Utilization in IC Engines	46 years	
2.	Dr. Sriram Devanathan	Ph.D.	Professor	Statistical Modeling for Chemical	16 years	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
				Engg. Applications		
3.	Dr. S.S. Bhagawan	Ph.D.	Professor	Polymer Science & Technology	34 year s	2
4.	Dr. K. Jayanarayana n	PhD	Associate Professor	Polymer Science and Engg.	20 year s	
5.	Dr. M. Kannan	PhD	Asst. Professor (SG)	Polymer science/techn ology	25 Yea rs	
6.	Dr. Meera B. Sasikumar	Ph.D	Asst. Professor (SG)	Polymer Technology	15 Yea rs	
7.	Dr. Duraishamy Kumaresan	PhD	Asst. Professor (SG)	Inorganic Photochemist ry and Materials Chemistry	13 year s	
8.	Dr. Murali Rangarajan	Ph.D.	Associate Professor	Thermodyna mics, Process Control, Modeling and Simulation	14 Yea rs	
9.	Dr. Nikhil Kothurkar	Ph.D.	Associate Professor	Nanomaterial s, Materials Science	14 Yea rs	
10.	Vinoj Vasu	M. Tech.	Asst. Professor	Polymer technology	15 year s	
11.	Dr. R. Krishnaprasad	Ph.D	Asst. Professor (SR)	Chemical Engineering	12 Yea rs	
12.	Dr. Udaya Bhaskar Reddy Ragula	Ph.D.	Asst. Professor (SG)	Microchanne l Reactors & Heat	9 Yea rs	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
				Exchangers, Process Intensificatio n, Fischer- Tropsch Synthesis		
13.	P. Ramesh	M.Tech	Asst. Professor (Sr.Gr.)	Chemical engineering	9 Yea rs	
14.	S.Sindhu	M.Tech	Asst. Professor (Sr.Gr.)	Biopharmace utical Technology	6 year s	
15.	K. Nithya	M.E.	Asst. Professor (Sr.Gr.)	Environment Management	6 Yea rs	
16.	N. Rasana	M. Tech	Lecturer	Chemical Engineering	6 Yea rs	
17.	K.P. Anjali	M.Tech	Lecturer	Chemical Engineering	7 year s	
Department of Information Technology						
1.	K. Gangadharan	M.Tech	Professor & Chairman	Opto Electronics & Fibre Optics	34 years, 5 months	
2.	Dr.T.R. Padmanabhan	Ph.D	Professor Emeritus	Cryptograph y & Information Security	39 years	1
3.	Prashant R.Nair	Post Gradua te Diplom a in Manag ement (PGD M),	Vice- Chairman and Assistant Professor – Selection Grade	MIS and Electronic Commerce	13 years	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
		equivalent to MBA				
4.	B. Rajathilagam	M.Tech	Assistant professor (Sr.Gr)	Signal Processing in Computer Science	15 years	
5.	S. Padmavathi	M.E – Computer Science Engineering	Assistant Professor (SG)	Computer Science Engineering		
6.	Bindu K. R.	M.Tech Computer Science	Assistant Professor (Sr. Gr.)	Computer Science	17 years	
7.	R. Aarthi	M.Tech	Assistant professor (Sr.Gr)	Computer Vision and image processing	5 Yrs 8 Months	
8.	C. Arunkumar	M.Tech Computer Science and Engineering	Assistant Professor (Sr.Gr)	Computer Science and Engineering	6 Yrs, 8 Months	
9.	S. Shanmuga Priya	M.C.A	Assistant Professor (Sr.Gr)	Computer Networks	10 years and 9 months	
10.	Raghesh Krishnan K.	Master of Technology (M.Tec	Assistant Professor (Senior grade)	Computer Vision and Image Processing	7.5 Years	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
		h)				
11 .	Sathiya R. R.	M.E. Compu ter science and Engine ring	Assistant Professor (Sr.Gr)	Computer Science and Engineering	8 yrs 8 months	
12 .	B. A. Sabarish	M.Tech	Assistant professor (Sr.)	Information Technology	7 Yrs, 8 Month s	
13 .	Vijayakrishna Menon		Assistant Professor			
14 .	Ramya U. M.	M.E. (CSE)	Assistant Professor	Grid Computing	3 years 6 Month s	
15 .	R. Sujee	B.Tech	Lecturer	Information Technology	6 Yrs , 6 months	
16 .	Divya M.	B.Tech	Lecturer	BTech in Information technology	5 years, 7 months	
17 .	Radhika G.	B.E (CSE)	Lecturer	Computer Science and Engineering	4 yr 9 Month s	
18 .	Archanaa R.	M.Tech	Faculty Associate		1 month	
19 .	Sikha O.K.	M.Tech	Faculty Associate		1 month	
20 .	Archana Devi R.	M.Tech	Faculty Associate		1 month	
Department of Civil Engineering						
1.	Dr.K.M.Mini	Ph.D	Professor & Chairperso n	Structural Engg.	17	

2.	Dr. N.S.Pandian	Ph.D	Dean-Post Graduate Programmes	Geo-technical Engg.	41	-
3.	Dr. K.B.Anand	Ph.D	Professor	Building Technology	27	Currently guiding 1
4.	Sunitha K.Nayar (study leave)	M.Tech	Assistant Professor (Sr.Gr.)	Structural Engineering	10	
5.	Sunitha P (study leave)	M.Tech	Assistant Professor (Sr.Gr.)	Structural Engineering	11	
6.	Dhanya Sathyan	M.Tech	Assistant Professor (Sr.Gr.)	Structural Engineering	7	
7.	Ananthkumar. M	M.E	Assistant Professor (Sr.Gr.)	Structural Engineering	3	
8.	Rajesh.P.	M.E	Assistant Professor (Sr.Gr.)	Structural Engineering	14	
9.	Prakash C	M.Tech	Assistant Professor	Environmental Engineering	5	
10.	Pooja S Nair	M.Tech	Assistant Professor	Transportation Engineering	2	
11.	Remya Retnan	M.Tech	Assistant Professor	Structural Engineering	1	
12.	Santhosh Kumar G	M.Tech	Assistant Professor	Geotechnical Engg	2	
13.	Kalesh K	M.Tech	Assistant Professor	Remote sensing	1	
14.	N.R. Gowri	M.Tech	Faculty Associate	Environmental Engineering	1	
Department of Mechanical Engineering						
S. No.	Name	Qualification	Designation	Area of Specialization	Total Work Experience in Years	No. of Doctorate Students Guided
1.	Dr.Thirumalin	M. E.,	Head of	Thermal	20	4 (in

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
	i S	Ph.D	Dept	Engineering		progress)
2.	Dr.M.P. Chandrasekharan	M. Tech., Ph.D	Dean Engineering	Industrial Engineering	43	4
3.	Dr.Mohandas K	M. Tech., Ph.D., FIE	Professor	Reliability Engineering	45	3
4.	Dr.Joshi C Haran	M. Sc (Engg), Ph.D., FIE	Professor	Thermal Engineering	37	
5.	Dr.Sellamuthu R	Ph.D	Professor	Foundry Technology	41	2 + 3 (in progress)
6.	Dr. Ramachandran.K.I	Ph.D	Professor	Manufacturing Engineering	30	15
7.	Dr.Elangovan M	Ph.D	Professor	Product Design	29	
8.	Dr.Saleeshya P G	Ph.D	Professor	Industrial Engineering and Operations Research (Agile Manufacturing)	24	2(in progress)
9.	Dr.Anbu Udayasankar S P	M. E., M. B. A., Ph.D	Associate Professor	Industrial Engineering	15	1(in progress)
10.	Dr.Sanjivi Arul	Ph.D	Associate Professor	Robotics, Automation, Welding	25	1 (in progress)
11.	Dr.Gokulachandran J	M. E., Ph.D	Associate Professor	Industrial Engineering	20	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
			r			
12.	Dr.Ilangovan S	M. E., Ph.D	Asst Professor	Manufacturing Engineering	25	
13.	Mr.Raghuram P	M. E	Asst Professor	Production Engineering	19	
14.	Mr.Krishnakumar P	M. E	Asst Professor	Computer Integrated Manufacturing	12	
15.	Mr.Prakash A S	M. Tech	Asst Professor SG	Propulsion Engineering	12	
16.	Mr.Ravikumar	M. E	Asst Professor SG	CAD/CAM	15	
17.	Dr.Ajith Ramesh	Ph.D	Asst Professor SG	Structural Modeling, Creep, Fatigue and Failure, Simulation of Machining & Forming processes, Crack propagation analysis	8	2 (in progress)
18.	Dr.Ratna Kishore Velamati	Ph.D	Asst Professor SG	Combustion, CFD	2	1 (in progress)
19.	Dr.Radhika N	Ph.D	Asst Professor SG	Engineering Design	10	
20.	Dr. Selvaraj J	M. E., Ph.D	Asst Professor	Green Manufacturing	11	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
21.	Mr.Pushparajan M	M. Tech	Asst Professor	Engineering Design	15	
22.	Mr.Lakshmi Kanthan C.	M. Tech	Asst Professor	CAD/CAM	13	
23.	Mr.Karthick S	M. E	Asst Professor	Refrigeration & AC	11	
24.	Dr. Padmanabhan R	M. E., Ph.D	Asst Professor	Engineering Design	10	
25.	Dr.Sakthivel N R	M. E., Ph.D	Asst Professor	Engineering Design	12	
26.	Mr.Saravanan S	M. E	Asst Professor	Engineering Design	12	
27.	Mr.Balaji K	M. E	Asst Professor	Fluid Dynamics	10	
28.	Dr.Sai Murugan M	M. E., Ph.D	Asst Professor	Condition Monitoring	11	
29.	Mr.Srihari.S	M. E	Asst Professor	IC Engines	8	
30.	Mr. Senthilkumar		Asst Professor	Thermal engineering	8	
31.	Mr.Saravanan .R	M. Tech	Asst Professor	Material Science	6	
32.	Mr.Sumesh A	M. Tech	Asst Prof (Sr. Gr.)	Manufacturing Engineering	6	
33.	Mr.Sumesh C S	M. Tech	Asst Prof (Sr.	Production Engineering	6	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
			Gr.)			
34.	Mr.V.R.Sathish Kumar	M. E	Asst Professor (O.G)	Manufacturing Engineering	18	
35.	Mr.A. Shanmugasundaram	M. E	Asst Professor (Sr.G)	Product Design and Development	24	
36.	Mr. Tamilarasani	M. Tech	Asst Professor (Sr.G)	Engineering Design	4	
37.	Mr.Mahadevan Lakshmanan	M. Tech	Asst Professor	Engineering Structures, Structural Composites	2	
38.	Mr.Unnikrishnan.D	M. Tech	Asst Professor	Engineering Design	3	
39.	Mr.Jayadevan P C	M. Tech	Asst Professor	Engineering Design	5	
40.	Mr.Bipin Balaram	M. Tech	Asst Professor	Engineering Design	2	
41.	Mr.Arun A	M. Tech	Asst Professor	INTEGRATED DESIGN AND MANUFACTURING	1	
42.	Mr.Sriram K	M. Tech	Asst Professor	Engineering Design	1	
43.	Mr.Devarajan K	M. Tech	Asst Professor	Engineering Design	4	
44.	Mr. Nanthakumar P	M. E	Asst Professor	Automobile Engineering	1	
45.	Mr.Babu		Asst	Thermal	3	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
	Namboothiri		Professor	Engineering		
46.	Mr.V.R. Rajesh		Asst Professor	Thermal Engineering	4	
47.	Mr.A.Srinivaas		Faculty Associate	Automobile Engineering	1	
48.	Mr.M. Thenarasu	M.Tech	Faculty Associate	Integrated design and manufacturing	2	
49.	Ms.Parvathy Unnikrishnan	M.Tech	Faculty Associate	Engineering Design		
Department of MSW						
1.	Dr. J Paranjothi Ramalingam	MA M.Phil, PhD, Dip. In Ed.	Professor & Chairman	Medical and Psychiatry	39 years	2 / 1
2.	Dr. P . Rangasami	MA PhD	Asst. Professor SG	HR	12 years	--
3.	Dr. K R Priya	MA PhD	Asst. Professor SG	CD	7 years	--
4.	Mr. M Nagalingam	MSW	Asst. Professor SG	CD	8'6 years.	--
5.	Ms. K Umamaheswari	MSW MPhil	Lecturer	Medical and Psychiatry	7.6 months	---
Department of Aerospace						
1.	Dr. J. Chandrasekhar	PhD	Professor & Chairperson	Flight Dynamics & Control	45 Years	
2.	Dr. S.	PhD	Professor	Composites	14	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
	Bhowmik			and Adhesive	Years	
3.	Dr. V. Sivadas	PhD	Associate Professor	Fluid Mechanics	26 Years	
4.	Dr. V. Sivakumar	PhD	Associate Professor	Applied Mechanics	19 Years	
5.	Dr. A.R. Srikrishnan	PhD	Associate Professor	Propulsion & Gas dynamics	17 Years	
6.	Dr. Balajee. R	PhD	Assistant Professor (SG)	Aerodynami cs	17 Years	
7.	Dr. V. Laxman	PhD	Assistant Professor (SG)	Aero Structures	11 Years	
8.	Mr. T. Rajesh Senthil Kumar	M.Tech	Assistant Professor (Sr.GR)	Engineering Design	4 Years	
9.	Wg.Cdr.(Rtd)T VK Sushil Kumar	M.Tech	Distinguish ed Faculty	Avionics	25 Years	
Mathematics						

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
					17	
					25	

S. No						
Staff Name						
Qualification						
Designation						
Specialization						
Experience (years)						
No. of Ph.D./M.Phil. students guided for the last 4 years						
					11	1

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
					12	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
					10	1

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
					11	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
					18	
					7	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
					3	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
					2	

S. No		
Staff Name		
Qualification		
Designation		
Specialization		
Experience (years)		
No. of Ph.D./M.Phil. students guided for the last 4 years		
1		

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
					7	
					30	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
					17	
					10	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
					8	
					13	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
					5	

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
CSE (Full list not given)						

S. No	Staff Name	Qualification	Designation	Specialization	Experience (years)	No. of Ph.D./M.Phil. students guided for the last 4 years
	Dr. Latha Parameswaran	Ph.D	Professor & Chairperson	Computer Science and Engineering	24 Years	4
	Dr.N.Radhika	Ph.D	Associate Professor	Computer Science and Engineering	12 years	7
	Dr.C.Shunmuga Velayutham	Ph.D	Associate Professor	Computer Science and Engineering	7 years	2
	Dr. Vidya Balasubramium	Ph.D	Associate Professor	Computer Science and Engineering	6 Years	1

1.	Dr. Harini Jayaraman	M.A., MPhil, Ph.D.	Professor & Chairperson	Indian Writing in English (Sri Aurobindo), English Language Teaching	19 yrs	-
2.	Ms. P. Ambika	M.A., B.Ed.,	Assistant Prof.Sr. Grade	European literature	13	-
3.	Ms. Geetha Sentthilkumar	M.A., M.Phil., Ph.D.	Assistant Prof. (Selection Grade)	American Literature	14 yrs 7 months	-
4.	Ms. M.G. Priya	M.A., B.Ed.	Assistant Prof.Sr. Grade	African - American Literature	8	-
5.	Ms. Krishna Lalitha	M.A., M.Phil	Assistant Professor	Indian Writing in English	8	-
6.	Sandhya V.	M.A.	Assistant Professor	Indian Writing in English	9	-
7.	Shobana K.	M.A., P.Phil	Assistant Professor	Folk Literature	9	-

8.	Teena V.	M.A., P.Phil	Faculty Associate	Minority Literature	3	-
9.	Rakhi M.R.	M.A., P.Phil	Faculty Associate	Rewritings in English Literature	2	-
10 .	Karthikeyan i G.	M.A., M.Phil , Ph.D.	Faculty Associate	Afro-American Literature	8 yrs 10 mont hs	-
11 .	Nandhini I.	M.A. Mphil.	Assistant Professor	American Literature	12 yrs 5 mont hs	-

Annexure - Evaluative Report - item 19 - Research Grants Received.docx
Research Grants Received

S. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project	Department
2008-2009						
1.	Extensio n of Plagiarism Detection Engine to detect Source Code Plagiarism	Dr.Soman KP	MIT	Rs. 28.32 Lakhs	2009- 2011	CEN
2.	Analysis and Evaluation of Multi- layer Shear Damped Viscoelastic Treatments for Launch Vehicle Applications	Dr. Ramachandran KI	ISRO	Rs. 10.70 lakhs	2008- 2011	CEN
3.	Optimizatio n of Nanofilller and Scrap Rubber Loading in Natural Rubber (NR) based Microcellula r (MC) Sheet Using DoE	PI : Meera B Sasikumar, Assistant Professor (SG)	Institution Of Engineers, India	Rs. 0.5 lakhs	6 months (2008)	Chemical
4.	Elastomer based Polymer Nanocompo sites for Control system Bladder	PI : Dr. S.S. Bhagawan (Professor) Co PI : Meera B Sasikumar , Assistant Professor (SG)	ISRO	Rs. 9.16 lakhs	3 years (2006- 2009)	Chemical
5.	Polymer Nanocompo sites for	PI : K. Jayanarayanan Assistant	ISRO	Rs4.46 lakhs	2 years (2007- 2009)	Chemical

	Inflatable Space Structures	Professor (SG) Co PI : Dr. S.S. Bhagawan (Professor)				
6.	Development of Novel Carbon-Inherently Conducting Polymer [C-ICP] and C-ICP Metal Nanocomposites with Unusually High Conductivity for Microwave Absorption	PI : Dr. Nikhil Kothurkar CoPI: T.G. Sateesh Babu	DRDO	Rs. 62 lakhs	3 years	Chemical
7.	Analysis and Evaluation of Multilayer Shear Damped Visco-Elastic Treatments for Launch Vehicle Application	PI : Dr. K.I Ramachandran (Professor) Dr. Sivakumar (Associate Professor) Co PI : Meera B Sasikumar , Assistant Professor (SG)	ISRO	Rs. 10.53 lakhs	3 years (2009-2012)	Chemical
8.	Development of Fast and Effective Cryptographic Techniques	M. Sethumadhavan	ISRO	Rs. 5.72 Lakhs	3 plus	CYBER
9.	Error Linear Complexity measures	M. Sethumadhavan	ISRO	Rs. 3 Lakhs	2 year	CYBER
10.	Hardware Based Network Intrusion Detection System for High Speed	M. Sethumadhavan	ISRO	Rs. 14.12 Lakhs	2 year	CYBER

	Networks					
11 .	Classified image transmission system	M. Sethumadhavan	DRDO	Rs. 4.9 Lakhs	2 year	CYBER
12 .	Development of encryption algorithms for Satellite Based Communications for ISRO	M. Sethumadhavan	ISRO	Rs. 2.1 Crores	2 year	CYBER
13 .	Development of Visual Cryptographic Schemes	M. Sethumadhavan	ISRO	Rs.17.71 Lakhs	2 year	CYBER
14 .	Development of Energy Saver for Induction Motor	Dr. T. B. Isha, Dr. T. N. P. Nambiar, Prof. A. T. Devarajan	DRDO, ERIPR/ER/0 305011/M/0 1/893 Date: 14-06-2006	Rs. 13.754 Lakhs	3 Years	EEE
15 .	Electrodeposition of Al-Li alloys for cryo and space application	Dr. T. G. Satheesh Babu, Prof. T. Ramachandran, Dr. M. Sivadhayanithy	ISRO, Trivandrum	7.3 lakhs	2 Years	Science
17 .	Synthesis, characterization and liquid crystalline studies of azo, schiff base containing porphyrin complex	Dr. R. Yamuna, Dr. Asha Sathish, Dr. Sivadhayanidhi	CSIR	21 lakhs	2 Years	Science
18 .	Total synthesis of modified benzophenanthridines – A preliminary	Dr. Prasanna Ramani	Heutrey Petrochem India Pvt. Ltd	1.5 lakhs	1 Year	Science

	anti-cancer study					
19	Synthesis of intermediate analogues for biologically active molecule	Dr. Prasanna Ramani	Aventis Pharma Ltd	0.5 lakhs	1 Year	Science
2009-2010						
S. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project*	Department
1.	Development of Language Tools and Resources for Statistical Machine Translation System	Dr. Soman KP	MHRD	Rs 100 lakhs	2010-2011	CEN
2.	Process Monitoring and Control for ultra-precision machining of Titanium alloys	Dr. Ramachandran KI	DRDO	Rs. 14.36 lakhs	2010-2012	CEN
3.	Mushare – Multiuser shared accessed platform for remote experimentation	Mr. Rakesh Peter	MHRD	Rs 25 Lakhs	2011-2012	CEN
4.	Development of New & Efficient Photosensitizers for	Dr. Kumaresan – PI; Dr. Nikhil – Co PI; Dr. Yamuna- Co-PI	DRDO	Rs 62 lacs	3 Years (July 2010 – June 2013)	Chemical

	Nano crystalline Dye Sensitized Solar Cells					
2010-2011						
S. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project*	Department
1.	Development of Source code Plagiarism detection engine	Dr. Soman KP, Shivapratap G	DIT	Rs. 28 Lakhs	2009-2012	CEN
2.	Electrochemically tailored compliant solder materials for flip-chip joining	Dr. Murali Rangarajan, Dr. T. Ramachandran and Dr. Krishnashree Achuthan	DRDO	Rs. 62.48 lakhs	3 years (April 2011 – May 2014)	Chemical
3.	Energy Management on Smart Grid using Embedded Systems	Dr.K.K.Sasi	Indo-Swedish research funding scheme, INT/SWD/VINN/P-05/2011	Rs 30.2588 lakhs	3 years	EEE
4.	Wind Energy Centre at Amrita University	Dr.K.K.Sasi	C-WET, Chennai	Rs 153 lakhs	3 years	EEE
5.	Development of Spinodal Bronze, Bronze Matrix Composite and Functionally Gradient	Dr. R. Sellamuthu Dr. Sanjivi Arul, Dr. S. Ilangovan, R. Saravanan	DRDO	14.2 Lakhs	3 Yr	Mech

	Bronze and Comparison of their Mechanical and Wear Properties					
6.	Neural network modelling for condition monitoring of i.c engine using different composite flywheelS	Mr.Mahadevan Lakshmanan and Mr.R.Karthik	Institution of Engineers India, Kolkata	Rs. 0.9 lakhs	1 Year	Mech
7.	Development and Fabrication of Non-enzymatic Electrochemical Glucose Biosensors and Fabrication of Glucometer	Dr.T.G.Satheesh Babu and Prof. T. Ramachandran	Department of Biotechnology	70.0 lakhs	3 Years	Science
2011-2012						
S. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project*	
1.	Investigation of compatibility between portland pozzolana cement and admixtures in high performance concrete	Dr.C.Jayasree, Dr.K.M.Mini	DST	Rs.12 lakhs	3 years	
2.	Development of Text/ Language	Dr.C.Santhosh Kumar	DRDO	Rs.14.94 Lakhs	Three years	

	independent Speaker recognition system					
3.	Scalable fault model for the prognosis and diagnosis of generators in aircraft electrical system	Dr.C.Santhosh Kumar	NAL	Rs.31 Lakhs	Three years	
4.	Improvement in transient stability margin of grid connected squirrel cage wind electric generator using STATCOM with super capacitor	Dr.R.Jayabarathi , Dr.V.Vanitha	AICTE under Research Promotion Scheme	Rs 13 lakhs	2 Years	
5.	An Intelligent Controller based shunt Hybrid filter for Harmonic Reduction in Adjustable Speed Drives	Dr. M.R. Sindhu	DST, New Delhi	Rs 22.07 lakhs	3 Years	
6.	Fault diagnosis of dynamic mechanical systems(gear box) based on signal processing using machine learning techniques	Dr.K.I. Ramachandran Dr.K. Rameshkumar, M.Saimurugan, P.Krishnakumar	DRDO	28.9 lakhs	3 years	
7.	Design, synthesis and characterization of	Dr. Prasanna Ramani	DST - FAST TRACK	27.0 lakhs	3 Years	

	modified peptide nucleic acids having electrochemical/fluorescent markers					
8.	Nanostructured thin films of composites synthesized by spray coating technique for corrosion and wear resistance applications	Dr. M.Sivakumar Co-Investigator: Dr. A.Uma Maheswari, Dr. S. Saravana Kumar (NSS College)	DRDO	25.74 lakhs	3 Years	
9.	Nanostructured biodegradable coating on magnesium alloys for biomedical applications	Dr.M.Karthega	DST	25.0 lakhs	3 Years	
10.	Synthesis, characterization and liquid crystalline properties of ligand bridged dicobaloximes	Dr.R.Yamuna	DST	28.0 lakhs	3 Years	
11.	Development of Novel Carbon-Inherently Conducting Polymer (C-ICP) and C-ICP-metal nanocomposites with unusually high conductivity and	Dr.Nikhil Kothurkar, Dr.T. G. Satheesh Babu	DRDO	63 lakhs	3 Years	

	processability for microwave absorption					
12.	Study of Waste management systems of five different Town Panchayats of Coimbatore	Dr. K R Priya	Hand in Hand NGO, Coimbatore	Rs. 0.20 lakhs	20 Days from 27 th of Dec 2011- to 20 th Jan 2012.	
2012-2013						
S. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project*	
1.	Development of New and Efficient Photosensitizers for Nanocrystalline TiO ₂ Based Dye Sensitized Solar Cells	Dr.kumaresan, Dr.NiKhil Kothurkar & Dr.R.Yamuna	DRDO	48.19 lakhs	3	
2.	Center of Excellence for Advanced Materials & Green Technologies	Dr.Sriram Devanathan, Team leader, Dr. Murali Rangarajan, Team member, Dr.NiKhil Kothurkar, Team member, Dr.S.S.Bhagavan, Team member, Dr.Kumaresan, Team member, Dr.Udaya Bhaskar Reddy Ragular, Meera B. Sasikumar	MHRD	TBA	3 Years	

3.	RESPOND Project on “Particulate polymer composites for space applications ”	Dr.P.K. Krishnan Namboori (CEN), and Dr.S.S. Bhagwan (CE&MS Dept)	ISRO	14 lakhs	3 Years	
4.	Indoor Information Representation and Management System	Dr.Vidhya Balasubramanian, Dr.Latha Parameswaran	SERC Division, NRDMS, DST India	Rs 51.8 Lakhs	3 years	
5.	Scalable fault model for the prognosis and diagnosis of generators in aircraft electrical system	Dr.C.Santhosh Kumar	NPMASS, ADA	Rs.28 Lakhs	Three years	
6.	Development of functionally -graded aluminium metal matrix composites using centrifugal casting method and to investigate the mechanical and tribological properties	Dr.N.Radhika & S.Ilangovan	DST	17 lakhs	3 years	
7.	Modeling and Simulation of Deformation in Machining	Dr. Ajith Ramesh	DRDL, Hyderabad	Rs. 10 Lakh	2 years	

	Processes					
8.	Finite Element Modeling of a Horn-Diaphragm from Manufacture to Operation, to analyze Crack Propagation	Dr. Ajith Ramesh	ROOTS Industries , Coimbatore	MOU signed / Hardware Assistance	2 years	

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2013	International Journal	1.	Title of the Paper: Non-linear 3D Finite Element Analysis of the Femur Bone, Authors: Sivakumar V., Asish Ramesh U.N., (2013), Name of the Journal: International Journal of Research in Engineering and Technology (IJRET) Month and Year of Publication: March 2013 Volume No. Volume 2, Issue3 Page No. PP 266-275	
		2.	Title of the Paper: "The Influence of Blade Geometric Parameters on Aeroelastic Response of a Helicopter Rotor System," Authors: Laxman, V., Byun, Y. H., and Venkatesan, C., Name of the Journal: Journal of Aerospace Engineering, Month and Year of Publication: July 2013 Volume No. Vol. 26(3), Page No. pp. 555 – 570	
		3.	Title of the Paper: "Aerofoils for Small Vertical Axis Wind Turbines, Authors: Balajee Ramakrishnananda, Sivaranjani Ganapathy Santhanam, R.R. RevathyPriya, Akshay Basavaraj and Rakesh Krishnan Name of the Journal: , " National Conference on Wind Tunnel Testing (NCWT-03) [CD-ROM], Vikram Sarabhai Space Centre, Thiruvananthapuram, Kerala, India, Month and Year of Publication: 23rd to 24th August, 2013 Volume No. Page No.	
	International Journal	4.	Title of the Paper: Social Media Participatory Cultures-A Study Of The Dynamics Between User Personality And Facebook Use Authors: Dr Kalyani Suresh Name of the Journal: International Journal of Current Research Month and Year of Publication: April 2013 Volume No. Vol 5 Issue 4 Page No. 925-930	
	International Journal	5.	Title of the Paper: Pharmacogenomic Analysis of Individual Variation in Prostate Cancer Authors: Meenu Das, Jinty Sukumaran, Praveen Kumar, Vadivel, Krishnan Namboori P.K. Name of the Journal: International Journal of Research in Pharmaceutical Sciences (IJRPS), Month and Year of Publication: February 2013 Volume No. 4(1).ISSN:0975-7538,	

			Page No. 70-72	
	International Journal	6.	Title of the Paper: Computaional Modeling of Environmentally Responsive Hydrogels (ERH)for Drug Delivery System Authors: Namboori P.K, Renjini U.P., Manakkadan A.A., Jose A., Silvi Priya K.S., Belzik N., Deepak O.M. Name of the Journal: Current Computer Aided Drug Design Month and Year of Publication: March 2013. Volume No. Page No.	
	International Journal	7.	Title of the Paper: Innovative use of what if analysis for visualization Authors: Amitha P.L., Geethu Joy, Geethu S.Pillai, Tara Krishnan L. K.P.Soman Name of the Journal: International Journal of Soft Computing and Engineering (IJCE) Month and Year of Publication: January 2013 Volume No. ISSN:2231-2307,Volume-X, issue-X Page No.	
	International Journal	8.	Title of the Paper: Ensuring Security to the Compressed Sensing Data using Steganographic Approach Authors: A.A.Sreedhanya and K.P.Soman Name of the Journal: Bonfree International Journal of Advances in Image Processing Month and Year of Publication: March 2013 Volume No. Volume 3, No.1 Page No.	
	International Journal	9.	Title of the Paper: Pharmacogenomic Analysis of Individual Variation in Prostate Cancer Authors: Meenudas, Jinty Sukumaran, Praveenkumar, Vadivel, Krishnan Namboori P K Name of the Journal: International Journal of Research in pharmaceutical Sciences(ijrps) Month and Year of Publication: February 2013 Volume No. 4(1), 70-72.ISSN:0975-7538 Page No.	
	International Journal	10	Title of the Paper: Computational modeling of Environmentally Responsive Hydrogels (ERH) for drug delivery system Authors: Manakadan A A, Jose A, Silvipriya KS, Belzik N, Deepak O M ,Namboori P K ,Ranjini U P Name of the Journal: Current Computer Aided Drug Design Month and Year of Publication: March 2013 Volume No. Page No.	
	International Journal	11	Title of the Paper: Ensuring security to the compressed sensing data using a steganographic approach Authors: A.V.Sreedhanya and K.P.Soman	

			Name of the Journal: Bonfring International Journal of Advances in Image Processing Month and Year of Publication: March 2013 Volume No. Vol.3, No.1 Page No.	
	International Journal	12	Title of the Paper: Design of Novel Drug Molecules for the Treatment of Breast Cancer Authors: Vijith V S, Harikrishnan K V, Krishnapriya S, Veena Varma, Asha Jose, Prasanna Ramani, Kumar E P and Krishnan Namboori P K Name of the Journal: Int.J.Pharm.Sci.Rev Month and Year of Publication: 2013 Volume No. 19 Page No. 113-117	
	International Journal	13	Title of the Paper: Realization of Wireless Communication System in Software Defined Radio using GNU Radio Authors: Sruthi M B ,Gandhiraj R,Soman K P Name of the Journal: International Journal of Advanced Research in Computer Science and Software Engg Month and Year of Publication: June- 2013 Volume No. 3(4) Page No. pp. 1-6	
	International Journal	14	Title of the Paper: Performance Analysis of Real time OFDM based Communication System using GNU Radio and USRP Authors: Abirami M ,Gandhiraj R,Soman K P Name of the Journal: International Journal of Advanced Research in Computer Science and Software Engg Month and Year of Publication: June – 2013 Volume No. 3(4) Page No. pp 1-6	
	International Journal	15	Title of the Paper: Internet of things through motes Authors: Neethu Prasannan, Akhil Manikkoth, Gandhiraj R, Soman K P Name of the Journal: International Journal of Advanced Research in Computer Science and Software Engg Month and Year of Publication: March – 2013 Volume No. 3(4) Page No. pp 1-6	
	International Journal	16	Title of the Paper: Performance analysis of minimum volume based geometrical approaches for spectral unmixing Authors: Bijitha S R,Geetha P,Nidhin Prabhakar T V, Soman K P Name of the Journal: International Journal of Science, Engineering and Technology Research (IJSETR) Month and Year of Publication: Volume No. Page No.	

	International Journal	17	Title of the Paper: Performance analysis & comparative study of geometrical approaches for spectral unmixing Authors: Bijitha S R, Geetha P ,Soman KP Name of the Journal: International Journal of Scientific & Engineering Research Month and Year of Publication: July 2013 Volume No. Volume 4,Issue 7 Page No ISSN 2229-5518	
	International Journal	18	Title of the Paper: Performance evaluation of statistical and geometrical algorithms for spectral unmixing of hyperspectral data Authors: Bijitha S R,Geetha P,Nidhin Prabhakar T V ,Soman K P Name of the Journal: International journal of engineering research and technology Month and Year of Publication: June 2013 Volume No. Vol 2 Page No ISSN 2278 – 0181	
	International Journal	19	Title of the Paper: Performance evaluation of statistical and geometrical algorithms for spectral unmixing of hyperspectral data Authors: Bijitha S R,Geetha P,Nidhin Prabhakar T V ,Soman K P Name of the Journal: International journal of engineering research and technology Month and Year of Publication: June 2013 Volume No. Vol 2 Page No: ISSN 2278 – 0181	
	International Journal	20	Title of the Paper: Binary and Color Image Edge Detection Using Ricci Flow Authors: Amitha P L ,K A Narayanankutty,K P Soman Name of the Journal: International Journal of Computer Applications (0975-8887) Month and Year of Publication: July 2013 Volume No. Page No.	
	International Journal	21	Title of the Paper: Performance analysis of Real time of DM based communication system using GNU Radio and USRP Authors: Abirami M, Gandhiraj R, Soman K P Name of the Journal: International Journal of Advanced Research in Computer Science and Software Engineering Month and Year of Publication: June 2013. Volume No. 3 (4) Page No.	
	International Journal	22	Title of the Paper: Realization of Wireless Communication system in SDR using GNU Radio Authors: Sruthi M B, Gandhiraj R, Soman K.P Name of the Journal: International Journal of Advanced Research in Computer Science and Software Engineering Month and Year of Publication: June 2013	

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	International Journal	23	Title of the Paper: Voice interfaced Arduino robotic arm for object detection and classification Authors: Vishnu Prabhu S and Dr.K P Soman Name of the Journal: International Journal of Scientific & Engineering Research Month and Year of Publication: July – 2013 Volume No. Volume 4, Issue 7 Page No. ISSN 2229-5518	
	International Journal	24	Title of the Paper: Extraction of Xylan degrading enzyme from Trichoderma harzianum MTCC 10730 Authors: : Palaniappan Ramesh1, Rajoo Baskar2, Mohan Gaanappriya Name of the Journal: Asian Journal Of Microbiology Biotechnology & Environmental Science Month and Year of Publication: June 2013 Volume No. Issue No.: 03 (Received the acceptance letter from the editor). Page No.	
	International Journal	25	Title of the Paper: The Effect of Different Carbon Fillers and Dopant Acids on the Electrical Properties of Polyaniline Nanocomposites Authors: : Jelmy E. J., Ramakrishnan S., Rangarajan M., and Kothurkar N Name of the Journal: Bulletin of Materials Science. Month and Year of Publication: February 2013 Volume No: 36(1) Page No.	IF:0.584
	International Journal	26	Title of the Paper: Optimization of the Conductivity and Yield of Chemically Synthesized Polyaniline Using a Design of Experiments Authors: Jelmy E.J.; Ramakrishnan Shanmugham; Sriram Devanathan; Murali Rangarajan, Nikhil Kothurkar Name of the Journal: Journal of Applied Polymer Science Month and Year of Publication: 2013 Volume No. Page No.	IF:1.395
	International Journal	27	Title of the Paper: Heat Transfer to Immiscible Liquid Mixtures in a Spiral Plate Heat Exchanger Authors: Sathiyar S., Rangarajan M., Ramachandran S. Name of the Journal: Brazilian Journal of Chemical Engineering Month and Year of Publication: April/June 2013 Volume No. 30 (2) Page No.	IF: 0.64

	International Journal	28	Title of the Paper: <i>Synthesis, characterization, and nonlinear optical properties of graphene oxide functionalized with tetra-amino porphyrin</i> Authors: Yamuna R., S. Ramakrishnan, K. Dhara, R. Devi, N.K. Kothurkar, E. Kirubha, and P.K.Palanisamy Name of the Journal: Journal of Nanoparticle Research C7 – 1399 Month and Year of Publication: 2013 Volume No. 15(1) Page No. 1-9	IF: 2.175
	International Journal	29	Title of the Paper: Removal of Biopolymer in Distillery Spentwash using Iridium Oxide Coated Titanium Mesh Anode and Polyaluminum Chloride: Optimization and Sequential Studies. Authors: : R. Krishna Prasad Name of the Journal: Environmental Engineering and Management Journal Month and Year of Publication: 2012(Accepted For Publication) Volume No. Page No.	IF:1.435
	International Journal	30	Title of the Paper: Microbial fuel cells for azo dye treatment with electricity generation: A Review Authors: Komal Solanki, Sindhu Subramanian, Suddhasatwa Basu Name of the Journal: Bioresource Technology Month and Year of Publication: March 2013 Volume No. 131 Page No. 564-571	IF:4.98
	International Journal	31	Title of the Paper: Structure and Floristic Composition of Old growth wet evergreen forests of nellampathy hills, southern western ghats Authors: Dr V S Ramachandran Name of the Journal: Journal of Forestry reearch Month and Year of Publication: Volume No. Page No.	
	International Journal	32	Title of the Paper: Admission Control and Request Scheduling for Secured-concurrent-available Architecture Authors: N.Harini, T.R. Padmanabhan Name of the Journal: International Journal of Computer Applications © 2013 by IJCA Journal Month and Year of Publication: 2013 Volume No. 63 - Number 6<doi>10.5120/10470-5198 Page No.	
	International Journal	33	Title of the Paper: Collaborative Robotics for the Detection & Monitoring of Live Human Bodies in a Disastrous Environment Using Wireless Actuator Networks	

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	International Journal	34	Title of the Paper: Adapting Linux as Mobile Operating System Authors: Kaushik, Shriram K.V., Subashri, Balachandran Name of the Journal: Journal of Computer Science, Scopus Indexed Month and Year of Publication: 2013 Volume No. Page No. 740-748, DOI :10.3844/jcssp.2013.740. 748	Impact factor 1.35
	International Journal	35	Title of the Paper: Vehicle Identification using Fuzzy ADALINE neural network Authors: Gokul M., Shriram K.V., Sivaraman R, Subashri V and Balachandran A Name of the Journal: Journal of Computer Science, Scopus Indexed Month and Year of Publication: 2013 Volume No. Page No. 740-748, DOI :10.3844/jcssp.2013.	Impact factor 1.35
	International Journal	36	Title of the Paper: An Intelligent And Cost Effective Footboard Accident Prevention System Authors: Rohit, Shriram K.V., Ajeeth Name of the Journal: Science Alert Journals, Scopus Indexed, Impact factor = 1.2, ISSN:1812-5638. Month and Year of Publication: 2013 Volume No. Page No.	Impact factor 1.2
	International Journal	37	Title of the Paper: 2CAuth: A New Two Factor Authentication Scheme Using QR-Code Authors: N. Harini, T. R. Padmanabhan Name of the Journal: International Journal of Engineering and Technology (IJET) , SCOPUS Indexed Month and Year of Publication: Apr-May 2013 Volume No. Vol 5 No 2 Page No. 1087 -1094 ISSN : 0975-4024	
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	International	39	Title of the Paper: Slantlet Transform and Phase	

	Journal		Congruency based Image Compression Authors: Latha Parameswaran, T. Arathi Name of the Journal: International Journal of Computer Applications Month and Year of Publication: Jan 2013 Volume No. Page No.	
	International Journal	40	Title of the Paper: A Survey On Sensing Methods And Feature Extraction Algorithms For Slam Problem Authors: D.Venkataraman, Adheen Ajay Name of the Journal: International Journal of Computer Science Engineering and Applications(IJCSEA) Month and Year of Publication: February 2013 DOI : 10.5121/ijcsea.2013.3105 59 Volume No. Vol.3, No.1 Page No.	
	International Journal	41	Title of the Paper: Image Compression Using Anti-Forensics Method Authors: D. Venkataraman, M.S.Sreelakshmi Name of the Journal: International Journal of Computer Science, Engineering and Applications (IJCSEA) Month and Year of Publication: February 2013 Volume No. Vol.3, No.1, DOI : 10.5121/ijcsea.2013.3108 81 Page No.	
	International Journal	42	Title of the Paper: Design and Development of an Embedded System for Monitoring the Health Status of a Patient Authors: Shriram K V, Sivaraman R, Subashri V, Murali N, Name of the Journal: IJISA Month and Year of Publication: 2013 Volume No. vol.5, no.4, ISSN: 2074-904X (Print), ISSN: 2074-9058 (Online), MECS Publishers Hong Kong.March-2013 Page No. 64-71	
	International Journal	43	Title of the Paper: Comparison of Automatic and Interactive Image Segmentation Methods Authors: P. Bagavathi Sivakumar and Renjini H Name of the Journal: International Journal of Engineering Research & Technology (IJERT) Month and Year of Publication: June – 2013 Volume No. ISSN: 2278-0181, Vol. 2, Issue 6 Page No. 3162-3170	
	International Journal	44	Title of the Paper: Implementing an Agent Based Artificial Stock Market Model in JADE – An Illustration Authors: PN Kumar, Rupika R, Vennilla S, Abinaya K, VP Mohandas Name of the Journal: International Journal of	

			Engineering and Technology (IJET) Month and Year of Publication: Jun-Jul 2013 Volume No. ISSN : 0975-4024 Vol 5 No 3 Page No. 2636-2648	
	International Journal	45	Title of the Paper: Fusion Techniques for Thermal and Visual Face Images Authors: P. Bagavathi Sivakumar and Navya S Babu Name of the Journal: International Journal of Engineering Research & Technology (IJERT) Month and Year of Publication: June – 2013. Volume No. ISSN: 2278-0181, Vol. 2, Issue 6 Page No. 3157-3161	
	International Journal	46	Title of the Paper: Comparative Study On Image Restoration Techniques Using The Partial Differential Equation And Filters Authors: V Kamalaveni , K A Narayanankutty, Laxmi Laxman Name of the Journal: International Journal of Engineering Research & Technology (IJERT) Month and Year of Publication: July - 2013 Volume No. ISSN: 2278-0181 Vol. 2 Issue 6 Page No.	
	International Journal	47	Title of the Paper: An Innovative and Inexpensive Method for Obstacle Detection and Avoidance Authors: Kamalakkanan, Prashant, Shriram K V, Balachandran A Name of the Journal: Information Technology Journal, Science Alert Journals Month and Year of Publication: June-2013 Volume No. ISSN:1812-5638,DOI: DOI:10.3923/itj.2013. Page No.	Scopus Indexed, Impact factor = 1.2,
	International Journal	48	Title of the Paper: Sensor based Smart Traffic Regulatory/Control System Authors: Sivaraman, Shriram KV Name of the Journal: Information Technology Journal Science Alert Journals Month and Year of Publication: June-2013 Volume No. ISSN:1812-5638 DOI:10.3923/itj.2013 Page No.	Scopus Indexed, Impact factor = 1.2.
	International Journal	49	Title of the Paper: Video Surveillance System for Security Applications Authors: Vidya A.S., V. K. Govindan Name of the Journal: International Journal of Computer Applications Month and Year of Publication: July 2013 Volume No.) Volume 74– No.1 Page No.0975 – 8887	
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	Journal		Duplicate Refresh Records With Continuous Query Based Multiple Web Databases Authors: Sudhakar, Shriram K V, Sivaraman, Subashri Name of the Journal: , International Journal of Innovative Technology and Research Month and Year of Publication: Aug-2013 Volume No. Vol.1, No.3, http://www.ijitr.com/index.php/ojs/article/view/83/pdf, Page No 205-208.	Scholar Indexed,
	International Journal	51	Title of the Paper: Distributed mixed variant differential evolution algorithms for unconstrained global optimization Authors: G.Jeyakumar, C.Shunmuga Velayutham Name of the Journal: Memetic Computing Journal Month and Year of Publication: Volume No. Springer, Published On-line First Article Page No.	
	International Journal	52	Title of the Paper: A Survey of Agent Based Artificial Stock Markets Authors: Prof P N Kumar, V P Mohandas Name of the Journal: Internet research journal of finance and economics Month and Year of Publication: Volume No. Page No.	0.409
	International Journal	53	Title of the Paper: Centralised control station for smart grid test bed based on windows embedded XP 2007 and Ebox 4861 S Authors: Dr. N Radhika Name of the Journal: Journal of Intelligent manufacturing Month and Year of Publication: 2013 Volume No. Page No.	
	International Journal	54	Title of the Paper: Linear Complexity Measures of Binary Multisequences Authors: Sindhu M., M. Sethumadhavan Name of the Journal: International Journal of Computer Applications Month and Year of Publication: 2013 Volume No. Vol. 62 - Number 16 Page No. 6-10	Impact Factor: 0.814
	International Journal	55	Title of the Paper: Optimally Locating for Hiding Information in Audio Signal Authors: Premalatha P., Amritha P.P Name of the Journal: International Journal of Computer Applications Month and Year of Publication: 2013 Volume No. vol.65 (14) Page No. 37-42	Impact Factor: 0.814
	International	56	Title of the Paper: Low power full adder with	

	Journal		reduced transistor count Authors: M Geetha Priya Name of the Journal: International Journal of Engineering trends and technology Month and Year of Publication: Volume No. Page No.	
	International Journal	57	Title of the Paper: A novel design of reversible serial and parallel adder/subtractor Authors: M Geetha Priya Name of the Journal: International Journal of Engineering science and technology Month and Year of Publication: Volume No. Page No.	
	International Journal	58	Title of the Paper: Power management during scan based sequential circuit testing Authors: M Geetha Priya Name of the Journal: International Journal of Engineering science and technology Month and Year of Publication: Volume No. Page No.	
	International Journal	59	Title of the Paper: A novel low power 3 transistor based universal gate for VLSI applications Authors: M Geetha Priya Name of the Journal: International Journal of Engineering science and technology Month and Year of Publication: Volume No. Page No.	0.587
	International Journal	60	Title of the Paper: Development of Controller for Parallel Operation of Gas Turbine Plants Authors: S. Selvakumar, S. Balamurugan, R. Joseph Xavier Name of the Journal: Electric Power Components and System Month and Year of Publication: Jan, 2013 Volume No. 41- Issue 1 Page No. 100-109	0.681
	International Journal	61	Title of the Paper: Variable Structure Fuzzy Gain Scheduling Based Load Frequency Controller for Multi Source Multi Area Hydro Thermal System Authors: Vijaya Chandrakala K.R.M., Balamurugan S. and Sankaranarayanan K. Name of the Journal: Elsevier – International Journal of Electrical Power and Energy Systems (IJPES) Month and Year of Publication: Accepted Volume No. Page No.	2.302
	International Journal	62	Title of the Paper: Web-Based Real Time Data Acquisition And Interactive Control Of Appliances Using Ethernet Connectivity	5.6397

			Authors: A.Dinesh, Anju S. Pillai Name of the Journal: International Journal of Electrical and Electronics Engineering Research Month and Year of Publication: Aug 2013. Volume No. 3:3 Page No. 39-46	
	International Journal	63	Title of the Paper: Factors Causing Power Consumption in an Embedded Processor - A Study Authors: Anju S. Pillai, T. B. Isha Name of the Journal: International Journal of Application or Innovation in Engineering & Management Month and Year of Publication: July 2013 Volume No. 2:7 Page No. 300-306	2.379
	International Journal	64	Title of the Paper: Image Mosaicking with Modified: SURF Authors: C.Arunkumar, M.Sanjay, et.al Name of the Journal: International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS) Month and Year of Publication: Accepted May 2013 Volume No. 5, Issue 4 Page No. 452-454	
	International Journal	65	Title of the Paper: Evaluation of Improved Trust Architecture (ITA) for Wireless Sensor Networks Authors: B.A.Sabarish, M.Priyanka et.al Name of the Journal: International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS) Month and Year of Publication: Accepted May2013 Volume No. 2, Issue 4 Page No. 212-216	
	International Journal	66	Title of the Paper: Modified Leach Protocol for Wireless Sensor Network Authors: B.A.Sabarish & R.Lavanya Name of the Journal: International journal of computer Application Month and Year of Publication: Jan 2013 Volume No. 62 number 3 Page No. 1-5 DOI:10.5120/10057-4648	
	International Journal	67	Title of the Paper: Indian Sign Language Character Recognition Using Neural Networks Authors: Padmavathi S., Saipreethy M.S., Valliammai V. Name of the Journal: International Journal of Computer Applications (IJCA) Month and Year of Publication: May 2013 Volume No. Special Issue on "Recent Trends in Pattern Recognition and Image Analysis	

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International Journal	68		Title of the Paper: Indian Sign Language Gesture Segmentation Using Active Contour Authors: Padmavathi S., Shangeetha R.K. Karthik K.S Name of the Journal: International Journal of Electronics Communication and Computer Engineering (IJECCCE) ISSN (Online Journal) : 2249 - 071X, ISSN (Print): 2278 – 4209 Month and Year of Publication: May 2013 Volume No. Volume 4, Issue 3 Page No. 761-766	
International Journal	69		Title of the Paper: Hydromagnetic blood flow through a uniform channel with permeable walls covered by porous media of finite thickness Authors: K. Shailendhra Name of the Journal: Journal of Applied Fluid Mechanics (Iran). Month and Year of Publication: January 2013 Volume No. 6(1) Page No. 39 - 47	
International Journal	70		Title of the Paper: On the sharpness of a bound on the diameter of Cayley graphs generated by transposition trees Authors: Ashwin Ganesan Name of the Journal: Journal of Combinatorial Mathematics and Combinatorial Computing. Month and Year of Publication: Feb. 2013 Volume No. 84 Page No. 29- 40	
International Journal	71		Title of the Paper: Performance Comparison of 3D NoC Topologies using Networks Calculus Authors: K. Somasundaram, Nallasamy Viswanathan, and Kuppusamy Paramasivam Name of the Journal: Life Science Journal Month and Year of Publication: March 2013 , Volume No. 10(1) Page No.	
International Journal	72		Title of the Paper: Set-Valued Graphs- II Authors: Kumar Abhishek Name of the Journal: Journal of Fuzzy Set Valued Analysis Month and Year of Publication: June 2013 Volume No. Article ID jfsva-00149 Page No. 1- 16	
International Journal	73		Title of the Paper: Out Set-Magic Digraphs Authors: Kumar Abhishek and Germina K.A Name of the Journal: Journal of Discrete Mathematical Sciences and Cryptography Month and Year of Publication: May 2013 Volume No. 16(1) Page No. 45 - 59	
International Journal	74		Title of the Paper: Performance and Cost Metrics Analysis of a 3D NoC Topology using Network Calculus	Scopus

			Authors: K. Somasundaram, K. Paramasivam and N. Viswanathan Name of the Journal: Applied Mathematical Sciences Month and Year of Publication: May 2013 Volume No. Vol.7,2013, no.84 Page No. 4173 – 4184.	
	International Journal	75	Title of the Paper: Out Set-Magic Digraphs Authors: Kumar Abhishek & K.A. Germina Name of the Journal: Journal of Discrete Mathematical Sciences and Cryptography Month and Year of Publication: May 2013. Volume No. 16:1 Page No:45-59.	Scopus
	International Journal	76	Title of the Paper: Set-Valued Graphs: II Authors: Kumar Abhishek Name of the Journal: ISPACS, Jfsva-00149 Month and Year of Publication: June 2013 Volume No. Vol 2013 Page No. 16	Scopus
	International Journal	77	Title of the Paper: Fourier Sine and Cosine Transforms on Bohemian Spaces Authors: C. Ganesan Name of the Journal: Asian European Journal of Mathematics Month and Year of Publication: Volume No. Vol.6, NO.1 (2013) Page No. 17	
	International Journal	78	Title of the Paper: Effects of Tin on hardness, wear rate and coefficient of friction of cast Cu- Ni-Sn alloys Authors: S.Ilangovan, R.Sellamuthu Name of the Journal: Journal of Engineering Science and Technology Month and Year of Publication: 2013 Volume No.8 Page No. 34-43	
	International Journal	79	Title of the Paper: Optimization of damped dynamic vibration absorber to control chatter in metal cutting process Authors: S.Saravanamurugan, Dr.T.Alwarsamy K.Devarajan Name of the Journal: Journal of vibration and control Month and Year of Publication: 2013 <i>Accepted</i> Volume No Page No.	Impact factor:1.96
	International Journal	80	Title of the Paper: A comparative study of sound and vibration signals in detection of rotating machine faults using support vector machine and independent component analysis Authors: M.Saimuruagn, K.I.Ramachandran Name of the Journal: International journal for data analysis techniques and strategies Month and Year of Publication: 2013 <i>Accepted</i>	

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	International Journal	81	Title of the Paper: Decision Support System for Real Time Vehicle Routing in Indian Dairy Industry - A Case Study Authors: Malairajan, R.A., Ganesh, K., Punniyamoorthy M. and Anbuudayasankar S.P. Name of the Journal: International Journal of Information System and Supply Chain management Month and Year of Publication: 2013 Volume No. 6 Page No.	
	International Journal	82	Title of the Paper: Dry sliding wear behaviour of Aluminium/alumina/graphite hybrid metal matrix composites using Taguchi's techniques Authors: N.Radhika, R.Subramanian Name of the Journal: Journal of Industrial Lubrication and Tribology Month and Year of Publication: 2013 Volume No.65 Page No. 166-174	
	International Journal	83	Title of the Paper: Effect of reinforcement on wear behavior of aluminium hybrid composites Authors: N.Radhika, R.Subramanian Name of the Journal: Journal of Tribology - Materials surfaces interfaces Month and Year of Publication: 2013 Volume No. 7 Page No. 36-41	
	International Journal	84	Title of the Paper: A model to assess the lean capabilities of automotive industries Authors: P.G.Saleeshya, D.Austin, N.Vamsi Name of the Journal: International Journal Of Productivity and Quality Management Month and Year of Publication: 2013 Volume No.11 Page No. 195-211	
	International Journal	85	Title of the Paper: Area Void Fraction Associated with Twin-fluid Atomizer Authors: V.Sivadas, K.Balaji, I.Krishnaraj, E. Vignesh, R.Aravind Name of the Journal: International Journal of Atomization and Sprays Month and Year of Publication: 2013 Volume No. 23 Page No.	Impact factor: 0.928
	International Journal	86	Title of the Paper: Comparative Study of two staff computing techniques for the prediction of remaining useful life of cutting tools Authors: J Gokulachandran Name of the Journal: Journal of Intelligent manufacturing- Month and Year of Publication: 2013 Volume No. Page No.	1.278

	International Journal	87	Title of the Paper: Influence of alkaline mineralizer on structural and optical properties of ZrO₂ nanoparticles. Authors: A. Uma Maheswari, S. Saravana Kumar and M. Sivakumar Name of the Journal: Journal of Naoscience and Nanotechnology Month and Year of Publication: 2013 Volume No.13 Page No. 4409-4414	
	International Journal	88	Title of the Paper: Synthesis and characterization of sulphonated Poly (Ether ether ketone)-montmorillonite clay composites for polymer electrolyte membranes Authors: Anand Kumar Rajasekharan, Jayesh Krishnakumar, Suhanya Manoharan, Vijayalakshmy Naagaraj, Guhan Srinivasan T. Ramachandiran Name of the Journal: Research and Reviews in Electrochemistry Month and Year of Publication: 2013 Volume No.4(3) Page No. 87-95	
	International Journal	89	Title of the Paper: A Blend of Sulfonated Poly(ether ether ketone) and Poly(vinylidene fluoride) for Direct methanol Fuel Cell Authors: S. Guhan, R. Muruganantham, D. Sangeetha Name of the Journal: Research and Reviews in Electrochemistry Month and Year of Publication: 2013 Volume No.4(1) Page No.34-40.	
	International Journal	90	Title of the Paper: Laser-material interaction and grooving performance in ultrafast laser ablation of crystalline germanium under ambient conditions Authors: Sivakumar Manickam, Jun Wang and Chuazhen Huang Name of the Journal: Journal of Engineering Manufacture Month and Year of Publication: July 2013 Volume No. DOI: 10.1177/0954405413492322 Page No.	0.77
	National Journal		NIL	
	International Conference (Proceedings)	1.	Title of the Paper: Understanding CDMA in Linear Algebra Point of View and its Simulation in Excel Authors: Sikha O.K, Sukanya, P, Pinchu Prabha, Suchithra M Name of the Conference: International Multi Conference on Automation Computing, Control, Communication and Compressed Sensing Duration of the Conference: March 2013 Name of the Organizer:	

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	2.		Title of the Paper: Two D Image data Approximation using Savitzky Golay Filter- Smoothing and Differencing Authors: Ganga Gowri B, Hariharan V, Thara S, Sowmya V, Sachin Kumar S, Soman K.P Name of the Conference: International Multi Conference on Automation Computing, Control, Communication and Compress Sensing Duration of the Conference: March 2013 Name of the Organizer: Conference Venue: Page No:	
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	3		Title of the Paper: Compressive Estimation of UWA Channels for OFDM Transmission using Iterative Sparse Re construction Algorithms Authors: P.Muralikrishna, Lakshmi K, K.P.Soman Name of the Conference: International Multi Conference on Automation, Computing, Control, Communication and Compress Sensing Duration of the Conference: March 2013 Name of the Organizer: Conference Venue: Page No:	
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	International Conference (Proceedings)	4	Title of the Paper: Low cost Digital Transceiver Design for Software Defined Radio using Rtl- sdr Authors: Sruthi M.B, Abirami M, Akhil Manikoth, Gandhiraj R, K.P.Soman Name of the Conference: International Multi Conference on Automation, Computing, Control, Communication and Compress Sensing Duration of the Conference: March 2013 Name of the Organizer: Conference Venue: Page No:	
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	International Conference (Proceedings)	5	Title of the Paper: Open BTS Based Microtelecom Model: A Socio – Economy Boon to Rural Communities Authors: Neethu Prasannan, Gintu Xavier, Akhil Manikoth, Rakesh Peter, Gandhiraj R, K.P.Soman Name of the Conference: International Multi Conference on Automation, Computing, Control, Communication and Compress Sensing Duration of the Conference: March 2013 Name of the Organizer:	

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International Conference (Proceedings)	6	Title of the Paper: Understanding CDMA in Linear Algebra Point of View and its Simulation in Excel Authors: Sikha O K, Sukanya P, Pinchu Prabha, Suchithra M Name of the Conference: <i>International Multi Conference on Automation, Computing, Control, Communication and Compressed Sensing</i> Duration of the Conference: March 2013 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:		
International Conference (Proceedings)	7	Title of the Paper: 2D Image Data Approximation using Savitzky Golay Filter - Smoothing and Differencing Authors: Ganga Gowri B, Hariharan V, Thara S, Sowmya V, Sachin Kumar S, Soman K.P Name of the Conference: International Multi Conference on Automation, Computing, Control, Communication and Compressed Sensing Duration of the Conference: March 2013 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:		
International Conference (Proceedings)	8	Title of the Paper: Compressive Estimation of UWA channels for OFDM transmission using iterative sparse reconstruction algorithms , Authors: P. Muralikrishna, Lakshmi K, K P Soman Name of the Conference: <i>International Multi Conference on Automation, Computing, Control, Communication and Compressed Sensing</i> Duration of the Conference: March 2013 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:		
International Conference (Proceedings)	9	Title of the Paper: OpenBTS Based Microtelecom Model:A Socio- Economic Boon To Rural Communities Authors: Neethu Prasannan, Gintu Xavier, Akhil Manikkoth, Rakesh Peter, Gandhiraj R, K P Soman Name of the Conference: <i>International Multi Conference on Automation, Computing, Control, Communication and Compressed Sensing</i>		

			Duration of the Conference: March 2013 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
	International Conference (Proceedings)	10	Title of the Paper: An Experimental Study on Application of Orthogonal Matching Pursuit Algorithm for Image Denoising Authors: Suchithra M, Sikha O K, Pinchu Prabha, Sukanya P Name of the Conference: <i>International Multi Conference on Automation, Computing, Control, Communication and Compressed Sensing</i>, Duration of the Conference: March 2013 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
	International Conference (Proceedings)	11	Title of the Paper: A Comparative Study of Spike and Smooth Separation from a Signal using Different Overcomplete Dictionary Authors: Aarth G, Amitha P L, Geethu S Pillai, Tharakrishnan L, Sowmya V, K P Soman Name of the Conference: <i>International Multi Conference on Automation, Computing, Control, Communication and Compressed Sensing</i> Duration of the Conference: March 2013 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
	International Conference (Proceedings)	12	Title of the Paper: Ionospheric Disturbances due to Solar Activity Detection using SDR Authors: Divya Haridas, K P Soman, Shanmugha Sundaram GA Name of the Conference: <i>International Conference on Systems, Signal Processing and Electronics Engineering (ICSSEE)</i>, Duration of the Conference: April 2013 (Best Paper Award) Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
	International Conference (Proceedings)	13	Title of the Paper: Beamforming Algorithm Implementation using FPGA Authors: Arathy Raghukumar, K P Soman, Shanmugha Sundaram GA Name of the Conference: <i>International Conference on Systems, Signal Processing and Electronics Engineering (ICSSEE)</i> Duration of the Conference: April 2013	

			Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
International Conference (Proceedings)	14	Title of the Paper: Weather Pattern Monitoring using SDR Authors: Poornima Rajan, K P Soman, Shanmugha Sundaram G A Name of the Conference: <i>International Conference on Systems, Signal Processing and Electronics Engineering (ICSSEE)</i> Duration of the Conference: April 2013 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:		
International Conference (Proceedings)	15	Title of the Paper: Exploiting GNU Radio and USRP: An Economical Test Bed for Real Time Communication Systems” at 2013 Authors: Abirami M, Hariharan V, Sruthi M.B, Gandhiraj R Soman K.P Name of the Conference: 4th International conference on computing, communications and Networking Technologies (ICCC NT-2013) Duration of the Conference: July 5 2013 Name of the Organizer: Conference Venue: Vivekanandha College of Engineering for women Tiruchengode Page No: Proceedings Published By:		
International Conference (Proceedings)	16	Title of the Paper: Electrodeposition of Bi and SnBi alloys for microelectronic packaging Authors: Dr. R. Murali ,A.R. Rajamani Name of the Conference: <i>RATES 2013, International Conference on Recent Advances in Textile and Electrochemical Sciences</i> Duration of the Conference: 21-23,March 2013 Name of the Organizer: Alagappa University Conference Venue: Karaikudi Page No: Proceedings Published By:		
International Conference (Proceedings)	17	Title of the Paper: Electrodeposition of bismuth and effects of additives in acid bath Authors: Dr. Murali, A.R. Rajamani Name of the Conference: <i>ELAC 2013, 5th ISEAC Triennial International Conference on Advances and Recent Trends in Electrochemistry</i> Duration of the Conference: January 16-20, 2013 Name of the Organizer: Conference Venue: Hyderabad		

			Page No:	
			Proceedings Published By:	
	International Conference (Proceedings)	18	Title of the Paper: Reliable and Affordable Embedded System Solution for Continuous Blood Glucose Maintaining System with Wireless Connectivity to Blood Glucose Measuring System Authors: V.Ananthanarayanan, Mithun Haridas TP, Naveen R, Rajeswari A Name of the Conference: Amrita International Conference of Women in Computing (AICWIC'13) Proceedings published by International Journal of Computer Applications® (IJCA) 36 Duration of the Conference: January, 2013 Name of the Organizer: AICWIC-Number 2 Conference Venue: Page No: 36-43 Proceedings Published By:	
	International Conference (Proceedings)	19	Title of the Paper: A Computationally Efficient Edge Preserving MRI-CT Image Fusion Technique Using Complex Wavelet Transform and Phase Congruency Fusion Rule Authors: Latha Parameswaran, T. Arathi Name of the Conference: Proceedings of Third International Conference on Computational Intelligence and Information Technology – CIIT 2013 Duration of the Conference: Oct 18-19, 2013 Name of the Organizer: Conference Venue: Mumbai Page No: Proceedings Published By: Accepted for publication in a SCOPUS indexed journal. – To be published.	SCOPUS indexed
	International Conference (Proceedings)	20	Title of the Paper: Email Thread Word Cloud Generator Authors: Latha Parameswaran, Nagarjuna Varma Kalidindi Name of the Conference: Asian Summer School in Information Access Duration of the Conference: June 22-24, 2013 Name of the Organizer: Conference Venue: Tsukuba, Japan Page No: Proceedings Published By: Proceedings of (ASSIA 2013)	
	International Conference (Proceedings)	21	Title of the Paper: Video Surveillance System for Security Applications GovindanB K Kaushik and Vinu V Das(Eds.):	

			Authors: Vidya A.S., V. K. Name of the Conference: Advances in Information Technology and Mobile Computing ,AIM 2013 Duration of the Conference: 2013. Name of the Organizer: Conference Venue: Page No: 70–79 Proceedings Published By: LNCS © Communications in Computer and Information Science 2013	
	International Conference (Proceedings)	22	Title of the Paper: Roadmap to the Modelling Approach and Design of RFCMOS Devices Authors: Karthiga Balamurugan Name of the Conference: Second Amrita International Conference of Women in Computing Duration of the Conference: January 10-12, 2013 Name of the Organizer: Amrita Vishwa Vidyapeetham Conference Venue: Amrita Vishwa Vidya Peetham ,Coimbatore Page No: 11 Proceedings Published By: Amrita Vishwa Vidyapeetham	
	International Conference (Proceedings)	23	Title of the Paper: Roadmap to the modelling approach and design of RF CMOS devices Authors: Karthigha Balamurugan, M.Nirmala Devi and M.Jayakumar Name of the Conference: 2nd Amrita International Conference on Women in Computing (AICWIC – 2013) Duration of the Conference: Jan 9-11,2013 Name of the Organizer: Conference Venue: Page No: Proceedings Published By: proceedings is available in IJCA. (Won BEST paper award)	
	International Conference (Proceedings)	24	Title of the Paper: Energy Minimization in Real Time Embedded Systems by Control of Context Switches Authors: Anju S. Pillai, T. B. Isha, Sasikumar Punnekkat Name of the Conference: Pro. of Second International Conference on Smart Technologies for Materials, Communication, Controls, Computing and Energy (ICST) Duration of the Conference: January 3-5,2013 Name of the Organizer: Vel Tech Dr. RR & Dr. SR Technical University	

			Conference Venue: Chennai Page No: 428-432	
			Proceedings Published By:	
International Conference (Proceedings)	25		Title of the Paper: GSM Controlled Topple Resistant SPYBOT Authors: Pratyush.G, Jaganath.B, Prithivin.L, Kavi.V Sivraj.P Name of the Conference: <i>Proceedings of the IEEE Sponsored TI India Educators Conference, TIEEC</i> Duration of the Conference: <i>April 2013</i> Name of the Organizer: Conference Venue: Page No:	
			Proceedings Published By:	
International Conference (Proceedings)	26		Title of the Paper: Digital Human action copying Robot Authors: Anand B, Harishankar S, Hariskrishna TV, Sudharsan K P, Vignesh U, Sivraj P Name of the Conference: <i>Proceedings of the IEEE Sponsored TI India Educators Conference, TIEEC</i> Duration of the Conference: <i>April 2013</i> Name of the Organizer: Conference Venue: Page No:	
			Proceedings Published By:	
International Conference (Proceedings)	27		Title of the Paper: Wireless 3D Robotic arm with force quantification using EMG Authors: Akshaykrishna U, Dhananjayan P.S, Lohit L, Sabarinath S, Shiva D, Sivraj P Name of the Conference: <i>Proceedings of the IEEE Sponsored TI India Educators Conference, TIEEC</i> Duration of the Conference: <i>April 2013</i> Name of the Organizer: Conference Venue: Page No:	
			Proceedings Published By:	
International Conference (Proceedings)	28		Title of the Paper: Image Processing technique used in real time traffic light controlling Authors: Aditya Singh Gosain, Sivraj P Name of the Conference: <i>4th IEEE International Conference, CONFLUENCE 2013 The Next Generation Information Technology Summit,</i> Duration of the Conference: <i>September 2013</i> Name of the Organizer: Conference Venue: Page No:	
			Proceedings Published By:	
International	29		Title of the Paper: Challenges Faced By Women	

Conference (Proceedings)		in Workplace Authors: Dr.Geetha Senthilkumar Name of the Conference: “Dhruti” International Conference of Women in Computing Duration of the Conference: Name of the Organizer: Conference Venue: Dept of CSE, Amrita School of Engg Page No: Proceedings Published By:	
International Conference (Proceedings)	30	Title of the Paper: Emancipation Through Epistles Authors: Ms. G Karthikeyani Name of the Conference: UGC sponsored National Level Seminar on Contemporary Literary Theory and Practices Duration of the Conference: Name of the Organizer: Conference Venue: Government Arts College, Coimbatore Page No: Proceedings Published By:	
International Conference (Proceedings)	31	Title of the Paper: Analysis of Classification Techniques for Microarray Cancer data using Support Vector Machines Authors: : C.Arunkumar, Dr.S.Ramakrishnan Name of the Conference: International Conference on Biosignals, Images and Instrumentation Duration of the Conference: 14.03.2013 Name of the Organizer: Conference Venue: SSN College of Engineering Chennai Page No: Proceedings Published y:	
International Conference (Proceedings)	32	Title of the Paper: Symmetric Energyption and Secret Sharing Using Multivariate Polynomials Authors: M. Sivasankar & Prema Name of the Conference: International Conference on Emerging Research in Computing Information Communication and Applications Duration of the Conference: 02-03 Aug 2013 Name of the Organizer: Conference Venue: NITTE Meenakshi Institute of Technology, Bangalore Page No: Proceedings Published By:	
International Conference (Proceedings)	33	Title of the Paper: Some Unexplored State sequences of Linear Feedback Shift Registers Authors: M. Sivasankar & Prema Name of the Conference: Seventh International	

			Conference on Communicaiton Networks Duration of the Conference: 09-11, Aug 2013 Name of the Organizer: Conference Venue: University Visvesvaraya College of Engineering, Bangalore. Page No: Proceedings Published By:	
	International Conference (Proceedings)	34	Title of the Paper: An Application of Vector Decomposition problem in Public key Cryptography using homomarpthic Encryption Authors: Praveen .I and Sethumadhavan .M Name of the Conference: International Conference on Emerging Research in Computing Information Communication and Applications Duration of the Conference: 02-03 Aug 2013 Name of the Organizer: Conference Venue: NITTE, Meenakshi Institute of Technology, Bangalore. Page No: Proceedings Published By:	
	International Conference (Proceedings)	35	Title of the Paper: Analysis Of Chain Sampling Plan For Exponential Family Authors: OS. Deepa Gopakumar Name of the Conference: International Conference on Mathematics, Statistics and Computer Engineering (ICMSCE) Duration of the Conference: 09/08/2013- 10/08/2013 Name of the Organizer: Conference Venue: kochi,kerala Page No: 557-560 Proceedings Published By: Mathematical Sciences International Research Journal, ISSN 2278-8697 Vol 2, issue 2	
	International Conference (Proceedings)	36	Title of the Paper: Performance Evaluation of a Single Cylinder Diesel Engine with LM6 Alloy Coated Piston Crown using Micro-Arc Oxidation Process. Authors: Srihari.S, S.Thirumalini Name of the Conference: ICIESMS 2013 Duration of the Conference: 22-23rd February 2013 Name of the Organizer: Vickram College of Engineering, Madurai Conference Venue: Page No: Proceedings Published By:	
	International Conference (Proceedings)	37	Title of the Paper: Study on the performance of PCCI engine run on palm oil bio-diesel blends Authors: Srihari.S, Nanthakumar.P., Steve Koshy Mathew and Surendar.N	

			Name of the Conference: ICIESMS 2013 Duration of the Conference: 22-23rd February 2013 Name of the Organizer: Vickram College of Engineering Conference Venue: Madurai Page No: Proceedings Published By:	
	International Conference (Proceedings)	38	Title of the Paper: Lasers and their Applications Authors: Dr. M Sivakumar Name of the Conference: : National Seminar on Evolution to Innovations in Electronics Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
	International Conference (Proceedings)	39	Title of the Paper: Multiple Signal Amplification Platform for Immunosensing Authors: Dr. T G Satheesh Babu, Chandini Umesh, Ashwathi A M, John Stanley, Bipin Nair Name of the Conference: Amrita Bioquest 2013, Amrita University Duration of the Conference: Name of the Organizer: Amrita University Conference Venue: Amritapuri campus Page No: Proceedings Published By:	
	International Conference (Proceedings)	40	Title of the Paper: Fabrication of Highly Sensitive and Selective Non-enzymatic Glucose Sensor Authors: Dr. T G Satheesh Babu, Shrinidhi S R, Aarathi Pradeep, Ramachandran T, Bipin Nair Name of the Conference: Amrita Bioquest 2013, Amrita University Duration of the Conference: Name of the Organizer: Amrita University Conference Venue: Amritapuri campus Page No: Proceedings Published By:	
	International Conference (Proceedings)	41	Title of the Paper: Development of a Non-enzymatic Glucose Biosensor using Copper Oxide Nanoparticle Modified TiO₂ Nanotube Arrays Authors: Dr. T G Satheesh Babu, John Stanley, Ramyakrishnan S, Vineeth Raj S, Bipin Nair Name of the Conference: Amrita Bioquest 2013, Amrita University Duration of the Conference: Name of the Organizer: Amrita University	

			Conference Venue: Amritapuri campus Page No:	
International Conference (Proceedings)	42		Title of the Paper: Non-enzymatic electrochemical sensor for the detection of creatinine Authors: Dr. T G Satheesh Babu, Jeethu Raveendran, Ramachandran T, Bipin Nair Name of the Conference: Amrita Bioquest 2013, Amrita University Duration of the Conference: Name of the Organizer: Amrita University Conference Venue: Amritapuri campus Page No: Proceedings Published By:	
International Conference (Proceedings)	43		Title of the Paper: Pt-Pd decorated TiO₂ nanotube array for the non-enzymatic determination of glucose in neutral medium Authors: Dr. T G Satheesh Babu, John Stanley, Ramachandran T and Bipin Nair Name of the Conference: Amrita Bioquest 2013, Amrita University Duration of the Conference: Name of the Organizer: Amrita University Conference Venue: Amritapuri campus Page No: Proceedings Published By:	
International Conference (Proceedings)	44		Title of the Paper: Au Nanoparticles-Polyaniline Nanocomposites Modified TiO₂ Nanotube Array for Amperometric Determination of Ascorbic Acid Authors: Dr. T G Satheesh Babu, Vidhu Sara Vargis, Jyothi Sree R, Ramachandran T, Bipin G Nair Name of the Conference: Amrita Bioquest 2013, Amrita University Duration of the Conference: Name of the Organizer: Amrita University Conference Venue: Amritapuri campus Page No: Proceedings Published By:	
International Conference (Proceedings)	45		Title of the Paper: Copper-Nickel Alloy Nanoparticles Modified Vertically Aligned TiO₂ Nanotube Arrays for the Fabrication of Selective and Sensitive Non-Enzymatic Glucose Sensor Authors: Dr. T G Satheesh Babu, Suneesh P V Ramachandran T, Bipin Nair Name of the Conference: Amrita Bioquest 2013, Amrita University Duration of the Conference: Name of the Organizer: Amrita University Conference Venue: Amritapuri campus Page No:	

			Proceedings Published By:	
	International Conference (Proceedings)	46	Title of the Paper: Pt-CuO-Graphene Nanocomposite for Non-enzymatic Amperometric Glucose Detection Authors: Dr. T G Satheesh Babu, Keerthy Dhara, Bipin Nair and Ramachandran T Name of the Conference: Amrita Bioquest 2013, Amrita University Duration of the Conference: Name of the Organizer Conference Venue: Amritapuri campus Page No: Proceedings Published By:	
	International Conference (Proceedings)	47	Title of the Paper: Fabrication of Non-enzymatic Glucose Biosensor Using CuO/Pt Nanoparticles Modified Ta₂O₅ Nanotube Arrays Authors: Dr. T G Satheesh Babu, P.V. Suneesh, K. Chandhini, T. Ramachandran Name of the Conference: Recent Advances in Surface Science RASS 2013 Duration of the Conference: Name of the Organizer Conference Venue: Page No: Proceedings Published By:	
	International Conference (Proceedings)	48	Title of the Paper: Screen Printed Carbon Electrode for the Fabrication of Immunosensor Authors: Dr. T G Satheesh Babu, Jyothi Sree.R Vidhu Sara Vargis Name of the Conference: Recent Advances in Surface Science RASS 2013 Duration of the Conference: Name of the Organizer Conference Venue: Page No: Proceedings Published By:	
	International Conference (Proceedings)	49	Title of the Paper: Fabrication of Nanomaterials Based Non-enzymatic Glucose Sensors Authors: Dr. T G Satheesh Babu, S R Shrinidhi, Aarathi Pradeep, John Stanley Name of the Conference: Recent Advances in Surface Science RASS 2013 Duration of the Conference: Name of the Organizer Conference Venue: Page No: Proceedings Published By:	
	National Conference (Proceedings)	1.	Title of the Paper: Unified Framework for Pitch and Duration Modification, in Proc NCC Authors: S.R.N.Prasanna, D.Govind Name of the Conference: Duration of the Conference: February 2013	

			Name of the Organizer Conference Venue: IIT, Delhi Page No: Proceedings Published By:	
		2	Title of the Paper: Unified Framework for Pitch & Duration Modification In Proc NCC Authors: S R M Prasanna, D Govind Name of the Conference: Duration of the Conference: Feb 2013 Name of the Organizer Conference Venue: IIT Delhi Page No: Proceedings Published By:	
	National Conference (Proceedings)	3	Title of the Paper: Spatial preprocess ing for improved multinomial logistic regression based hyperspectral image classification Authors: Gintu Xavier, Nidhin Prabhakar T V ,Sowmya V,K P Soman Name of the Conference: Duration of the Conference: Name of the Organizer Conference Venue: Page No: Proceedings Published By:	
	National Conference (Proceedings)	4	Title of the Paper: Improvisation of spectral unmixing algorithms by the incorporation of efficient band selection methods Authors: Bijitha S R ,Geetha P, Narayanankutty K A, Soman K P Name of the Conference: Duration of the Conference: Name of the Organizer Conference Venue: Page No: Proceedings Published By:	
	National Conference (Proceedings)	5	Title of the Paper: Novel SVD based Character Recognition for Malayalam Language Script Authors: Sachin Kumar S, Manjusha K, K P Soman Name of the Conference: Springer Duration of the Conference: August 2013 Name of the Organizer Conference Venue: Page No: Proceedings Published By:	
	National Conference (Proceedings)	6	Title of the Paper: Smart Grid Energy Management Using Wireless Technology Authors: V. Ananthanarayan, M. Showndharyaa, V. Kaushik Name of the Conference: National Conference on Technological Advancements	

			in Power and Energy (TAP ENERGY 2013), Duration of the Conference: July 2013 Name of the Organizer :Amrita Vishwa Vidyapeetham Conference Venue: Page No: 106-111 Proceedings Published By: Bonfring India. ISBN 978-93-82338-65-9	
	National Conference (Proceedings)	7	Title of the Paper: A method for Image representation using Slantlet Transform and Phase Congruency Authors: Latha Parameswaran, T. Arathi, Name of the Conference: <i>Proceedings of ACM National Conference on Intelligent Computing</i> Duration of the Conference: April 26-27, 2013 Name of the Organizer: PSG College of Technology Coimbatore Conference Venue: PSG College of Technology Coimbatore Page No: Proceedings Published By:	
	National Conference (Proceedings)	8	Title of the Paper: Hardware Trojan Detectio – Survey Authors: Anamika thakur, Prabhu sivraj, Rajesh periyasamy, Sharanya, Sowjanya and Mohankumar, Name of the Conference: RTCSP 2013 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: 102-105,2013 Proceedings Published By:	
	National Conference (Proceedings)	9	Title of the Paper: Effect of strong base on the crystalline phase of zirconia nanoparticles synthesized by arrested chemical precipitation method Authors: S. Saravana Kumar , Sreedevi R Mohan and M. Sivakumar,Dr.A.Uma Maheswari Name of the Conference: National conference on recent advances in surface science (RASS) Duration of the Conference: 14th Feb. 2013 Name of the Organizer: Conference Venue: Ganghigram University, Dindugal Page No: Proceedings Published By:	
2012	International Journal	1.	Title of the Paper: FE Analysis of Contact Pressure Prediction on O-Rings Used in Solid Rocket Booster Segment Joints Authors: Sivakumar, V., Palaninathan, R., Name of the Journal: International Journal of	

			Science and Engineering Applications (IJSEA) Month and Year of Publication: November 2012 Volume No. Volume 1 Issue 1 Page No. 8-16.	
		2.	Title of the Paper: Journal Article: Institutional preparedness for e-governance in Indian Affiliating Universities – A study on Teaching Faculty Perspective Authors: Dr A Balasubramanian and Dr P Govindaraju Name of the Journal: International Journal of Information Technology and Computer Science Month and Year of Publication: Nov/Dec, 2012 Volume No. 6 Page No. 42 – 46	
		3.	Title of the Paper: The dynamics of Online Readers Comments and the Online Media – A Content Analysis Authors: Thilaka and Dr V Natarajan Name of the Journal: International Journal of Information Technology and Computer Science Month and Year of Publication: Nov/Dec, 2012 Volume No. 6 Page No. 115-122	
		4.	Title of the Paper: Transcending gender: Advertising fairness cream for Indian men Authors: Ms Sudha Venkataswamy Name of the Journal: Media Asia Month and Year of Publication: Volume No. Vol 40 Issue 2 ISSN 0129-6612 Page No. 128-197	
		5.	Title of the Paper: Level Set Methodology for Tamil Document Image Binarization and Segmentation Authors: S.Karthik,Hemanth V K, V. Balaji, K P Soman Name of the Journal: International journal of Computer Applications Month and Year of Publication: February 2012 Volume No. 39 - No.9 Page No. (0975-8887)	
		6.	Title of the Paper: Spectrum Sensing using Compressed Sensing Techniques for Sparse Multiband Signals Authors: Avinash P, Gandhiraj R, Soman K P Name of the Journal: International Journal of Scientific & Engineering Research Month and Year of Publication: May-2012 Volume No. 3,Issue 5 ISSN 2229-5518 Page No.	
		7.	Title of the Paper: Directional Total Variation Filtering Based Image Denoising Method Authors: S.Karthik, Hemanth V K, K.P. Soman, V.Balaji, Sachin Kumar S, M. Sabarimalai Manikandan	

			Name of the Journal: International Journal of Computer Science Issues(IJCSI), Month and Year of Publication: May, 2012 Volume No. Page No.	
		8.	Title of the Paper: Insight Into Primal Augmented Lagrangian Multiplier Method :A Performance Study on Detection of Hypernasality in Children using MFCC, BFCC and various orders of GMM classifier Authors: Premjith B, Sachin Kumar S, Akhil Manikoth Bijeeesh T V, K P Soman Name of the Journal: International Journal of Computer Science and Information Technology & Security Month and Year of Publication: June 2012 Volume No. Page No.	
		9.	Title of the Paper: Hindi Character Segmentation in Document Images using Level set Methods and Non-linear Diffusion Authors: Manjusha K, Sachin Kumar S, Jolly Rajendran K. P. Soman Name of the Journal: International Journal for Computer Applications(IJCA) Month and Year of Publication: April 30th Volume No. Page No.	0.835
		10.	Title of the Paper: Euler Lagrange Based Solutions for Image Processing Authors: Asha Ashok, Swathy Sekhar, Shajeesh K U Vidya M, K P Soman Name of the Journal: International Journal of Applied Sciences and Engineering Research(IJASER) Month and Year of Publication: 04/12 Volume No. Page No.	
		11	Title of the Paper: Noise Cancellation Method for Robust Speech Recognition Authors: Shajeesh. K. U, K. P. Soman Name of the Journal: International Journal of Computer Applications(IJCA) Month and Year of Publication: 05/12 Volume No. Page No.	0.835
		12	Title of the Paper: Combined Method Of Level Set With Impact On Pre-processing For Binarization Of Document Images In Tamil Script Authors: Asha Ashok, Dhivya S , Jansirani S, K P Soman Name of the Journal: International Journal for Computer Applications(IJCA) Accepted, waiting for publication Month and Year of Publication: June, 2012	

			Volume No. Page No.	
		13	Title of the Paper: Design and Optimization of Band Pass Filter for Software Defined Radio Telescope Authors: Jolly Rajendran, Rakesh Peter, and K. P. Soman Name of the Journal: International Journal of Information and Electronics Engineering Month and Year of Publication: 2012 Volume No. vol. 2, no. 4 Page No. 649-651	
		14	Title of the Paper: Pathological Voice Recognition for Vocal fold Disease Authors: Pravena.D, Dhivya.S, Durgadevi.A Name of the Journal: International Journal of Computer Applications(IJCA) Month and Year of Publication: Jun-12 Volume No. Page No.	0.835
		15	Title of the Paper: Expressive Speech Synthesis : A Review. Authors: D.Govind, S.R.Mahadeva Prasanna Name of the Journal: International Journal of Speech Technology Springer Month and Year of Publication: October 2012 Volume No. Page No.	
		16	Title of the Paper: Modern Analog and digital communication system Authors: Gandhiraj R, K.P.Soman Name of the Journal: International Journal for Telecommunication systems Springer Month and Year of Publication: 2012 Volume No. Page No.	
		17	Title of the Paper: Energy Conservation in Aluminium Foundries by Waste Heat Recovery from Solidifying Molten Metal Authors: J.Selvaraj, K.I.Ramachandran Name of the Journal: International Journal Energy Technology and Policy Month and Year of Publication: 2012 Volume No. 8, No.1 Page No. 32-49	
		18	Title of the Paper: A Performance Study on Detection of Hypernasality in Children using MFCC, BFCC and various orders of GMM classifier Authors: Nikitha George, Radhika G, Sachin Kumar S, K.P.Soman Name of the Journal: International Journal of Computer Science and Information Technology and Security Month and Year of Publication: June 2012 Volume No.	

			Page No.	
		19	Title of the Paper: Hardware Companions the GNU Radio Companion: A Comparative study of Software Radio Hardwares Authors: Neethu Sugathan, Premanand V, Senthil Murugan, K.P.Soman Name of the Journal: International Journal of Computer Science and Information Technology and Security Month and Year of Publication: July 2012 Volume No. Page No.	
		20	Title of the Paper: Malayalam Morph generated and aid for students to learn grammer Authors: Swathy Sekhar, Vidhya M, K.P.Soman Name of the Journal: Dravidian studies Dravidian University Kuppam Month and Year of Publication: 2012. Volume No. Page No.	
		21	Title of the Paper: Spatial Pre processing for improved sparcity based Hyperspectral image classification Authors: Kavitha Balakrishna, Sowmya V, K.P.Soman, Name of the Journal: International Journal of Engineering Research and Technology Month and Year of Publication: 13th July 2012 Volume No. Page No.	
		22	Title of the Paper: Message passing Algorithm A Tutorial review Authors: Kavitha Sunil, Poorna Jayaraj, K.P.Soman Name of the Journal: International Organization of Scientific Research Month and Year of Publication: July- August 2012 Volume No. 2 Page No. 12-24	
		23	Title of the Paper: Effect of preprocessing on historical transcript text document Authors: Kavitha Sunil, Kavitha Balakrishnan Sri Dhanya A.A, K.P.Soman Name of the Journal: International Journal of Engineering Research and Applications Month and Year of Publication: July-August 2012. Volume No. 2 Page No. 1529-1534	
		24	Title of the Paper: Communication with Less Hardware Authors: Ambily Joseph. Jaini Sara Babu and K.P.Soman Name of the Journal: International Journal of Computer Technology and Application	

			Month and Year of Publication: July-August 2012 Volume No. 3 Page No. 1528-1531	
		25	Title of the Paper: Teaching Computational Thinking in Probability using Spreadsheet Simulation Authors: Anand R, Manju M, Veena Deeve N.A Anju M.Kaimal Chithra R Name of the Journal: IJSRP Month and Year of Publication: December 2012. Volume No. Page No.	
		26	Title of the Paper: Performance Evaluation of Modified SVD Based Image Fusion Authors: Asha P.Kurian, Bijitha S.R, Lekshmy Mohan Meha M.Kartha, K.P.Soman Name of the Journal: IJCA Month and Year of Publication: November 2012. Volume No. Page No.	
		27	Title of the Paper: Modified Wavelet Image Fusion based on OSVD Authors: Bijitha S.R, Lakshmy Mohan, Meha M.Kartha Asha P.Kurian, K.P.Soman Name of the Journal: IJERT Month and Year of Publication: November 2012. Volume No. Page No.	
		28	Title of the Paper: An Efficient Algorithm for the Segmentation of Astronomical Images Authors: Jintu Xavier, Tintu Erlin Philip, Deepthi T. V.N, K.P.Soman Name of the Journal: IVSRJCE Month and Year of Publication: December 2012 Volume No. Page No.	
		29	Title of the Paper: Active Contour Waste Document Image Segmentation and Restoration using Split-Bregman and Edge Enhancement Diffusion Authors: Arathy Raghukumar, Divya Haridas, Poornima Rajan, K.P.Soman Name of the Journal: IJCA Month and Year of Publication: November 2012 Volume No. Page No.	
		30	Title of the Paper: Insight into Split Bregman Authors: Arathy Reghukumar, Divya Haridas, Sreekala S, K.P.Soman Name of the Journal: IJERT Month and Year of Publication: October 2012 Volume No. Page No.	
		31	Title of the Paper: Two Stage Wavelet Based	

			Image Denoising Authors: Glincoy Abraham, Neethu Mohan, Sreekala S, Neethu Prasannan & K.P.Soman Name of the Journal: International Journal of Computer Application Month and Year of Publication: October 2012 Volume No. 56(14) Page No. 30-37	
		32	Title of the Paper: Enhancing Computational thinking with Spreadsheet and Fractal Geomentry : Part 1 Authors: K.P.Soman, Manu Unni V.G. Praveen Krishnan and V.Sowmya Name of the Journal: International Journal of Computer Applications Month and Year of Publication: Oct 2012 Volume No. 55 (14) Page No. 1-8 Published by Foundation of Computer Science, New York, USA	
		33	Title of the Paper: Enhancing Computational thinking with Spreadsheet and Fractal Geomentry : Part 2. Route Finding using Newton Method and Creation of Newton Fractals Authors: K.P.Soman, Manu Unni V.G. Praveen Krishnan and V.Sowmya Name of the Journal: International Journal of Computer Applications Month and Year of Publication: Oct 2012 Volume No. 55 (14) Page No. 9-15 Published by Foundation of Computer Science, New York, USA	
		34	Title of the Paper: Enhancing Computational thinking with Spreadsheet and Fractal Geomentry : Part 3.MandelBrot and Juliaset Authors: K.P.Soman, Manu Unni V.G. Praveen Krishnan and V.Sowmya Name of the Journal: International Journal of Computer Applications Month and Year of Publication: Oct 2012 Volume No. 55 (14) Page No. 16-23 Published by Foundation of Computer Science, New York, USA	
		35	Title of the Paper: Enhancing Computational thinking with Spreadsheet and Fractal Geomentry : Part 4 , Plant Growth Modelly and Space Filling Curves Authors: K.P.Soman, Manu Unni V.G. Praveen Krishnan and V.Sowmya Name of the Journal: International Journal of Computer Applications Month and Year of Publication: Oct 2012 Volume No. 55 (14)	

			Page No. 24-29 Published by Foundation of Computer Science ,New York, USA	
		36	Title of the Paper: Computational Thinking with Spreadsheet: Convolution, High Precision Computing, Signal and Image Processing Authors: K.P.Soman, Saching Kumar S, V.Sowmya, Sajeesh K.Ummer Name of the Journal: International Journal of Computer Applications Month and Year of Publication: December 2012 Volume No. Page No.	
		37	Title of the Paper: Speech Enhancement Based on Savitzky Golay Smoothing Filter Authors: Shajeesh K.U, Sachin Kumar S, Praveena D and K.P.Soman Name of the Journal: International Journal of Computer Applications Month and Year of Publication: November 2012 Volume No:57(21) Page No. 39-44 Published by Foundation of Computer Science, New York, USA	
		38	Title of the Paper: Enhancing Bregmanised NLTV Image Denoising using Savitzky Golay Filter and SVD Authors: Ashwathy Menon, Poornima Rajan, Deepthi T.V.N,Roshni Das, Sachin Kumar S, K.P.Soman Name of the Journal: IJSER Month and Year of Publication: December 2012 Volume No. Page No.	
		39	Title of the Paper: A Two Stage Algorithm for Denoising of Speech Signal Authors: Shajeesh K.U, Sachin Kumar S, K.P.Soman Name of the Journal: IOSR Month and Year of Publication: December 2012 Volume No. Page No.	
		40	Title of the Paper: Hyerarchical Approach for total variation Digital Image Inpainting Authors: S.Padmavathy, N.Archana, K.P.Soman Name of the Journal: International Journal of Computer Science Engg and Application Month and Year of Publication: June 2012 Volume No. Vol.2 No.3 Page No.	
		41	Title of the Paper: G-Lets:A New Signal Processing Algorithm Authors: R.Rajathilagam, Murali RangaRajan, K.P.Soman Name of the Journal: International Journal of Computer Application	

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		42	Title of the Paper: Plug-Ins for GNU Radio Companion Authors: Shravan Shriram, Guntury Srivatsa, Gandhiraj R and K.P.Soman Name of the Journal: International Journal of Computer Applications Month and Year of Publication: August 2012 Volume No. 52(16) Page No. 11-16 Published by Foundation of Computer Science, New York, USA	
		43	Title of the Paper: Pathological Voice Recognition for Vocal Fold Disease Authors: D.Pravena, S.Dhivya, A.Durgadevi Name of the Journal: International Journal of Computer Applications(IJCA) Month and Year of Publication: June 12, 2012 Volume No. Page No.	
		44	Title of the Paper: Design and Optimization of band pass Filter for Software Defined Radio Telescope Authors: Jolly R, Rakesh Peter, K.P.Soman Name of the Journal: International Journal of Information and Electronics Engineering Month and Year of Publication: July 2012 Volume No. 2 , No:4 Page No. 649-651	
		45	Title of the Paper: Effect of volume fraction on stability analysis of glass fibre reinforced composite plate Authors: K.M.Mini, Mahadevan Lakshmanan Lubin Mathew and Girish Kaimal Name of the Journal: Steel & Composite structures Month and Year of Publication: 2012 Volume No. 12, Number 2 Page No. 117-127	Impact factor:0.468
		46	Title of the Paper: Effect Of Fibre Volume Fraction On Fatigue Behaviour Of Glass Fibre Reinforced Composite Authors: K.M.Mini, Mahadevan Lakshmanan, Lubin Mathew, Midhun Mukundan Name of the Journal: Communicated to Journal of Fracture and Fatigue of Engineering Materials and Structures Month and Year of Publication: 2012 Non Wiley Publishing ltd, Accepted Volume No. 35 Page No. 1160-1166	Impact factor:0.847
		47	Title of the Paper: <i>Graphene nanosheets by low-temperature thermal reduction of graphene oxide using RF-CVD.</i>	

			Authors: Manivel, P., S. Ramakrishnan, N.K. kothurkar, A. Balamurugan, N. Ponpandian, D. Mangalaraj, and C. Viswanathan Name of the Journal: Journal of Experimental Nanoscience Month and Year of Publication: 2012 Volume No. Page No. 1-9	
		48	Title of the Paper: Comparison of Theory with Experimental Data for Nanoclay-Filled TPU/PP Blend Authors: Murugasamy Kannan, Suggu Bhagawan, Sabu Thomas, Kuruvilla Joseph Name of the Journal: Industrial & Engineering Chemistry Research Month and Year of Publication: 09/2012 Volume No. 51 Page No. 13379–13392	2.24
		49	Title of the Paper: Thermogravimetric analysis and differential scanning calorimetric studies on nanoclay-filled TPU/ PP blends Authors: Murugasamy Kannan, Suggu Bhagawan, Sabu Thomas, Kuruvilla Joseph Name of the Journal: Journal of Thermal Analysis and Calorimetry Month and Year of Publication: 09/2012 Volume No. DOI:10.1007/s10973-012-2693-8 Page No.	1.63
		50	Title of the Paper: <i>Effect of blend ratio on the mechanical and sorption behaviour of polymer - polymer microfibrillar composites from LDPE and PET</i> Authors: K. Jayanarayanan, Sabu Thomas and: Kuruvilla Joseph Name of the Journal: <i>Journal of Reinforced Plastics and Composites</i> Month and Year of Publication: April 2012 Volume No. 31(8) Page No. 549-562	IF: 0.727
		51	Title of the Paper: <i>Novel bio-commingled composites based on jute/polypropylene yarns: Effect of chemical treatments on the mechanical properties</i> Authors: Gejo George, E. Tomlal Jose, K. Jayanarayanan, E.R. Nagarajan, Mikael Skrifvars, Kuruvilla Joseph Name of the Journal: <i>Composites Part A: Applied Science and Manufacturing</i> Month and Year of Publication: January 2012 Volume No. 43(1) Page No. 219-230	IF: 2,695
		52	Title of the Paper: Optimizing properties of nanoclay–nitrile rubber (NBR) composites using Face Centred Central Composite Design Authors: Balachandran, Meera; Devanathan, Sriram; Muraleekrishnan, R.; Bhagawan	

			Name of the Journal: Materials and Design Month and Year of Publication: Mar 2012 Volume No. 35 Page No.	
		53	Title of the Paper: Photophysical Studies on Terpyridyl Platinum(II) Chromophore-Electron Acceptor Dyads for the Photocatalytic Hydrogen Generation from Water Authors: Kumaresan, D. Name of the Journal: <i>ACS Div. Fuel Chem</i> Month and Year of Publication: 2012 Volume No. 1 Page No. 66-68	<0.5
		54	Title of the Paper: Thermal and Transport Properties of Nitrile Rubber (NBR) - Nanocalcium Carbonate Composites Authors: Meera Balachandran and S.S. Bhagawan Name of the Journal: Journal of Applied Polymer Science Month and Year of Publication: December 2012 Volume No. 6(126) Page No. 1983–1992	1.289
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			Title of the Paper: 3D Reconstruction Of Face From 2D CT Scan Images: A Survey Authors: T.Senthil Kumar , Anupa Vijai Name of the Journal: ICCTSD 2011, Elsevier,	

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		58	Title of the Paper: "Automatic Character Recognition in Complex Images: A Survey" Authors: T.Senthil Kumar , Anju K Sadasivan Name of the Journal: ICCTSD 2011, Elsevier Procedia Engineering Month and Year of Publication: 2012 Volume No. 30 Page No. 218-225	
		59	Title of the Paper: Invisible Mouse using 2D-Tree based Virtual Grid and Hand Authors: A. Baskar , M.D Dhanya Name of the Journal: International Journal of Tomography and Statistics Month and Year of Publication: 2012 Volume No. 19 Issue No.1, ISSN 0973-7292 Page No. 68-80	
		60	Title of the Paper: "Differential evolution and dynamic differential evolution variants for unconstrained global optimization – An Empirical Comparative Study" Authors: G.Jeyakumar and C. Shunmugha Velayutham Name of the Journal: International Journal of Computers and Applications (IJCA) Month and Year of Publication: 2012 Volume No. 34. No. 2 Page No. 135-144	
		61	Title of the Paper: "Detecting Digital Image Forgeries Using Re-Sampling By Automatic Region Of Interest" (ROI)ICTACT Authors: P. Subathra, A. Baskar and T. SenthilKumar Name of the Journal: Journal On Image And Video Processing Month and Year of Publication: May 2012 Volume No. 02, Issue: 04issn: 0976-9102(ONLINE) Page No.	
		62	Title of the Paper: "Mobile IP Registration Protocols A Survey Authors: Senthil Kumar Mathi and M.L.Valarmathi Name of the Journal: International Journal of Computer Applications Month and Year of Publication August 2012: Volume No. 51(17):ISSN: 0975 – 8887 Page No. 24-34	
		63	Title of the Paper: " A Secured Concurrent Available Architecture for improving performance of Web Servers" Authors: N. Harini , T.R. Padmanabhan Name of the Journal: ICIP 2012, Springer,	

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		64	Title of the Paper: Intra Debit Card System using RFID Technology Authors: M.Senthil Kumar, M. L. Valarmathi, T.Dhivya Name of the Journal: International Journal of Computer Applications (0975 – 8887) Month and Year of Publication: August 2012 Volume No. 51– No.17 Page No.	
		65	Title of the Paper: 3D Reconstruction of Human Retina from Fundus Image –A Survey Authors: Jini Cheriyan, Hema P Menon, and Dr. K. A. Narayanankutty Name of the Journal: International Journal of Modern Engineering Research (IJMER) Month and Year of Publication: Sep.-Oct. 2012 Volume No. 2, Issue. 5 ISSN: 2249-6645. Page No. 3089-3092	
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		67	Title of the Paper: Optimal FPGA Implementation of CL Multiwavelets Architecture for Signal Denoising Applications Authors: : B.Mohan Kumar, R.Vidhya Lavanya E.P.Sumesh Name of the Journal: international Journal of Electronics (Taylor and Francis) Month and Year of Publication: August 2012 Volume No. 100 No:3 Page No. 288-301	0.509
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		70	Title of the Paper: Design of Low Power Digital FIR Filter based on By passing Multi plier Authors: Prabhu E, Mangalam, Saranya Name of the Journal: International Journal of Computer Applications Month and Year of Publication: may 2013 Volume No. 70, No: 9 Page No. 5-8	
		71	Title of the Paper: Analysis of Subcarrier and Antenna Power Allocation for MIMO WPMCM System with Sphere Decoder Authors: R. Deepa, K. Baskaran Name of the Journal: WSEAS Transactions On Communications Month and Year of Publication: March 2012 Volume No. Issue 3, Volume11 Page No.	SCOPUS listed
		72	Title of the Paper: Wimax (IEEE 802.16m) system based on space time block code and discrete multiwavelet transform and implementation in FPGA, Authors: Vidhyalavanya R, Madheswaran M Name of the Journal: Special issue on communication technology and system design, Telecommunication systems, Month and Year of Publication: Volume No. Springer, volume 72 (Accepted for Publication) Page No.	1.027
		73	Title of the Paper: Dependence of Substrate Resistance of RF MOSFET on the Performance of LNA at 60 GHz Authors: Sari, Karthigha Balamurugan and M.Jayakumar Name of the Journal: IJCSI(International Journal of Computer Science Issues) Month and Year of Publication: July 2012 Volume No. ISSN:1694-0814, Vol. 9, Issue 4, No 2, Page No. 277-283,	
		74	Title of the Paper: Low Power Full Adder with Reduced Transistor Count Authors: Geetha Priya, M. and Baskaran, K Name of the Journal: International Journal of Engineering Trends and Technology Month and Year of Publication: 2013 Volume No. Vol.4, No.5 Page No. 1755-1759	

		75	Title of the Paper: Design of an Efficient Reversible 8x8 Wallace Tree Multiplier Authors: D. Krishnaveni, M. Geetha Priya and K. Baskaran Name of the Journal: World Applied Sciences Journal Month and Year of Publication: 2012 Volume No. Vol. 20, No.8 Page No. 1159-1165	SCOPUS listed
		76	Title of the Paper: Design of Low Power Digital FIR Filter based on Bypassing Multiplier Authors: Prabhu E, Mangalam H, Saranya K Name of the Journal: International Journal of Computer Applications, Foundation of Computer Science, NewYork, USA Month and Year of Publication: May 2013 Volume No. Volume 70– No.9, ISSN 0975 – 8887. Page No. 5-8,	0.835
		77	Title of the Paper: Performance and Capacity analysis of MIMO system at 5 GHz and 60 GHz in indoor environment Authors: S.Kirthiga and M.Jayakumar Name of the Journal: WSEAS Transactions on Communications Month and Year of Publication: November 2012 Volume No.11 Page No. 415-426	SCOPUS listed
		78	Title of the Paper: Determination of Complex Permittivity of Fly Ash for Potential Electronic Applications Authors: V.Naren Srinivas, D.Karthik, V.Aravinth Kumar, V.D.Sidharth, T.Meenatchi Sundaram Soummitro Sarkar, Sabarish Narayanan B Name of the Journal: <i>Applied Mechanics and Materials</i>, Month and Year of Publication: :, 2012. (Online Journal of Scientific.net) Volume No. vols: 110-116 Page No. 4292-4296	SCOPUS listed
		79	Title of the Paper: Development of variable structure fuzzy gain scheduling controller for an interconnected power system Authors: Vijaya Chandrakala, K.R.M., Balamurugan, S. and Sankaranarayanan, K. Name of the Journal: International Review on Modelling and Simulations Month and Year of Publication: October 2012 Volume No. 5 Page No. 2228-2234	0.595
		80	Title of the Paper: Minimal Task Allocation in Multiprocessors using improved next-fit for RM scheduling Authors: Muthu Kumar. B, Anju S. Pillai Name of the Journal: International journal of	0.8

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		81	Title of the Paper: Noise Based Independent Component Analysis Model for Harmonic Current Estimation Authors: Supriya.P and T.N.Padmanabhan Nambiar Name of the Journal: Advanced Material Research Journal Month and Year of Publication:2012 Volume No. 433-440 Page No. 2551-2555	0.312
		82	Title of the Paper: Review of Harmonic Source Identification Techniques Authors: Supriya P. and T.N.Padmanabhan Nambiar Name of the Journal: International Review of Electrical Engineering Month and Year of Publication: 2012 Volume No. vol. 7. no. 3, Page No. 4525-4531	1.24
		83	Title of the Paper: Integrated Kalman- Independent Component Analysis Method for Harmonic Current Estimation on an Interconnected Four Bus Simulated and Laboratory Model Authors: Supriya P. and T.N.Padmanabhan Nambiar Name of the Journal: International Journal of Emerging Electric Power Systems, Month and Year of Publication: 2012 Volume No. vol. 13. no. 3 Page No. pp. 1553-1579	0.63
		84	Title of the Paper: Blind Signal Separation based harmonic voltage/current estimation in an interconnected power system- a Comparative Study Authors: Supriya P. and T.N.Padmanabhan Nambiar Name of the Journal: International Journal on Electrical Engineering and Informatics Month and Year of Publication: 2012 Volume No. vol. 13. no. 3 Page No. pp. 1553-1579	0.52
		85	Title of the Paper: Design and development of a model-based hardware simulator for photovoltaic array Authors: A. Vijayakumari , A.T. Devarajan Name of the Journal: Elsevier's "International Journal of Electrical power and Energy systems Month and Year of Publication: December 2012 Volume No. 43 Page No. 40-46	2.277
		86	Title of the Paper: A Hierarchical Search Space	

			Refinement and filling for Exemplar based Image Inpainting Authors: S.Padmavathi, K.P.Soman Name of the Journal: International Journal of Computer Applications (IJCA) online ISSN 0975-8887 Month and Year of Publication: August 2012 Volume No. Vol. 52, number4 Page No. 31-37	
		87	Title of the Paper: Remotely controlled PowerPoint presentation navigation using hand gestures Authors: Ram Rajesh J., Sudharshan R., Nagarjunan D., Aarthi R. Name of the Journal: UACEE International Journal of Computer Science and its Applications, Month and Year of Publication: Aug 2012 Volume No. Volume 2 : Issue 2 Page No.18-20	
		88	Title of the Paper: Hierarchical Digital Image Inpainting using Wavelets Authors: Padmavathi S., Priya Lakshmi B., Soman K.P. Name of the Journal: Signal & Image Processing:An International Journal (SIPIJ),ISSN :0976 - 710X; 2229 - 3922 (print) Month and Year of Publication: August, 2012 Volume No. Vol.3, No.4, Page No. 85-93	
		89	Title of the Paper: Hall effect on unsteady MHD free convection flow past an impulsively started porous plate with viscous and Joule's dissipation Authors: K. Shailendhra Name of the Journal: International Journal of Science and Engineering Investigations Month and Year of Publication: July 2012 Volume No. 1(6) Page No. 64 - 71	
		90	Title of the Paper: Set-Valued Graphs Authors: Kumar Abhishek and Germina K. A Name of the Journal: Journal of Fuzzy Set Valued Analysis Month and Year of Publication: August 2012 Volume No. Article ID jfsva-00127 Page No. 1- 17	
		91	Title of the Paper: On The Radical Bundle of a Lie Algebra Bundle Authors: G. Prema, B.S. Kiranagi, and Ranjitha Kumar Name of the Journal: International Journal of Jangieon Mathematical Society Month and Year of Publication : 2012 Volume No. 15(4) Page No. 447 - 453	
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		93	Title of the Paper: Inverse Vertex Covering Number of a Graph Authors: Radha R. Iyer and V.R. Kulli Name of the Journal: International Journal of Discrete Mathematical Science & Cryptography Month and Year of Publication: 2012 Volume No. 15 Page No. 389- 393	
		94	Title of the Paper: Modified Savings Heuristics and Genetic Algorithm for Bi-objective Vehicle Routing Problem with Forced Backhauls Authors: Anbuudayasankar, S.P., Ganesh, K., Lenny Koh, S.C. and Yves Ducq. Name of the Journal: Expert Systems with Applications Month and Year of Publication: 2012 Volume No.39, No. 3 Page No. 2296-2305	Impact factor:1.9
		95	Title of the Paper: Class of Sustainable Supply Chain Routing Problems – Framework and Comprehensive Review Authors: Sivakumar P., Ganesh Yves Ducq. and Anbuudayasankar S.P. Name of the Journal: International Journal of Services and Operations Management Expert Systems with Applications Month and Year of Publication: 2012 Volume No. 12, No. 2 Page No. 188-220	Scopus
		96	Title of the Paper: Organization Structure, Reward and Communication Design for Implementation of Knowledge Management Solution Authors: Nagarajan S., Ganesh K., Resmi A.T. Anbuudayasankar S.P. and Hemachitra, R. Name of the Journal: International Journal of Productivity and Quality Management Month and Year of Publication: 2012 Volume No. 10, No. 1 Page No. 40-68	Scopus
		97	Title of the Paper: Comparison of Meta-heuristics for Container Ship Routing Problem Authors: Santhanakrishnan S., Narendran T.T. Ganesh K. and S.P.Anbuudayasankar Name of the Journal: International Journal of Services and Operations Management	Scopus

			Month and Year of Publication: 2012 Volume No. 12, No. 3 Page No. 348-367	
		98	Title of the Paper: Study of Multi-Commodity Network Flow Problem for the Patient Distribution System Authors: Malairajan R.A., Ganesh K., Qureshi M.N., Anbuudayasankar S.P., and Tzong-Ru Lee Name of the Journal: International Journal of Logistics Systems and Management Month and Year of Publication: 2012 Volume No. 12, No. 1 Page No. 70-88.	Scopus
		99	Title of the Paper: Design for Taxonomy and Technology Architecture for Knowledge Management Solution Implementation Authors: Nagarajan S., Ganesh K., Resmi A.T., Anbuudayasankar S.P. and Hemachitra R. Name of the Journal: International Journal of Business Information Systems Month and Year of Publication: 2012 Volume No. 11, No. 2 Page No. 180-214	Scopus
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		101	Title of the Paper: Study and suggestions on inbound logistics for vehicle utilization: A Case Study Authors: Ganesh K., Malairajan R.A., Qureshi M.N., Anbuudayasankar S.P., and Mukesh Kumar Barua Name of the Journal: study International Journal of Innovation and Sustainable Development Month and Year of Publication: 2012 Volume No. 6, No. 3 Page No. 237-264	Scopus
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		10 3	Title of the Paper: Application of artificial neural network and fuzzy logic method for remaining useful life assessment of cutting tools Authors: Gokulachandran.J and Mohandas .K, Name of the Journal: International Journal of Operations, Systems and Human Resource Management (IJOSHRM) Month and Year of Publication: 2012 Volume No. 38 Page No. 3900-3912	
		10 4	Title of the Paper: Dry sliding wear behaviour of Aluminium/alumina/graphite hybrid metal matrix composites Authors: N.Radhika, Dr.R.Subramanian, S.Venkat prasat and B. Anandavel Name of the Journal: Journal of Industrial Lubrication and Tribology Month and Year of Publication: 2012 Volume No. 64 issue 6	Impact factor:0.6
		10 5	Title of the Paper: Soft Computing Approach to Fault Diagnosis of Monoblock Centrifugal Pump Authors: N.R.Sakthivel, Binoy.B.Nair ,V.Sugumaran Name of the Journal: International Journal of Applied soft computing Month and Year of Publication: 2012 Volume No. 12 No 5, 2012 Page No. 1574-1581	Impact factor:2.612
		10 6	Title of the Paper: Automatic Rule Learning Using Roughset for Fuzzy Classifier in Fault Categorization of Centrifugal Pump Authors: N.R. Sakthivel, V. Sugumaran, Binoy B. Nair Name of the Journal: International Journal of Applied soft computing Month and Year of Publication: 2012 Volume No. 12, No.1 Page No. 196-203	Impact factor:2.612
		10 7	Title of the Paper: ‘A novel particle swarm optimisation algorithm for continuous function optimisation’, Authors: Rameshkumar K., Rajendran C. and Mohanasundaram K.M. Name of the Journal: Int. J.Operational Research. Month and Year of Publication:2012 Volume No. 13, No.1 Page No. 1 – 21	Impact factor:0.715
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		109	Title of the Paper: Tensile Behavior of Aluminum–Cenosphere Metal Matrix Composite by Stir-Casting Route Authors: V. Saravanan, A. Shanmugasundaram, Dr. P. R. Thyla Name of the Journal: Trends in Mechanical Engineering & Technology Month and Year of Publication: 2012 Volume No. 2, Issue 2 Page No. 39-45	
		110	Title of the Paper: Safe, Sustainable and Smart Charging of Plug in Hybrid Electric Vehicles (PHEVs) Authors: Ajaykrishna Ramasubramanian, Manikandaraj Srinivasan ,Vishnu Padmanaban, S. Thirumalini Name of the Journal: World Academy of Science, Engineering and Technology Month and Year of Publication: 2012 Volume No. Page No.1050-1055	Scopus
		111	Title of the Paper: Cost Effective Energy Solution with Dual Battery for Plug-in Hybrid Electric Vehicle (PHEV) in a Public Transportation System Authors: P.Vishnu, R.Ajaykrishna, S.Thirumalini Name of the Journal: IEEE Month and Year of Publication: 2012	
		112	Title of the Paper: Recent Advancements And Challenges In Plug-In Diesel Hybrid Electric Vehicle Technology Authors: P.Vishnu, R.Ajaykrishna, S.Thirumalini Name of the Journal: International Journal Of Electrical Engineering & Technology (IJEET) Month and Year of Publication: 2012 Volume No. 3, Issue 1 Page No.316-325	Impact factor:3.2
		113	Title of the Paper: Investigation on use of Plug-in Hybrid Electric Vehicle (PHEV) Technology Using Renewable Energy for an Autorickshaw Authors: Vishnu Padmanaban, Ajaykrishna Ramasubramanian, Thirumalini Subramaniam Name of the Journal: KONES Powertrain and	Rated 9/10 By European Science Society ISSN: 1231-4005

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		11 4	Title of the Paper: Laminar Burning Velocity of Propane/CO ₂ /N ₂ - Air Mixtures at Elevated Temperatures Authors: Mohammad Akram, V. Ratna Kishore, Sudarshan Kumar Name of the Journal: Energy & Fuels Month and Year of Publication: 2012 Volume No. 26 Page No. 5509-5518	Impact factor: 2.83
		11 5	Title of the Paper: A combined AHP and ISM based model to assess the agility of supply chain: A case study. Authors: P.G. Saleeshya, Karthik Suresh Thambi, P. Raghuram Name of the Journal: International Journal Of Integrated supply management Month and Year of Publication: 2012 Volume No. 7 Page No. 167-191	Scopus
		11 6	Title of the Paper: Lean manufacturing practices in textile industries: A case study. Authors: P.G. Saleeshya, P. Raghuram, N. Vamsi Name of the Journal: International Journal Of Collaborative enterprise. Month and Year of Publication: 2012 Volume No. 3 Page No. 18-37	Scirus
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		11 8	Title of the Paper: Application of Particle Intelligence Algorithms in Supply Chain network architecture optimization, Authors: Rajeswar S.K, Janson C.H.C., Latha B.S., Rameshkumar K., Name of the Journal:	Impact factor: 2.203

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		11 9	Title of the Paper: An investigation of the effect of Ni content and hardness on the wear behavior of sand cast Cu-Ni-Sn alloys Authors: S.Ilangovan, R.Sellamuthu Name of the Journal: International journal of Microstructure and Materials Properties Month and Year of Publication: 2012 Volume No. 7 Page No. 316-328	
		12 0	Title of the Paper: Foreground Estimation in a Degraded Text document Authors: Bhuvana Chandra, K. Nagarjuna Varma, Gireesh Kumar T Name of the Journal: International Journal of Computer Applications (0975 – 8887) Month and Year of Publication: 2012 Volume No. Volume 44– No.22 Page No.	Impact Factor: 0.814
		12 1	Title of the Paper: Vision based Robot Navigation for Disaster Scenarios Authors: Sudheesh P., Gireesh Kumar T Name of the Journal: International Journal of Computer Applications(0975 – 8887) Month and Year of Publication: July 2012. Volume No. Vol. 49– No.6 Page No.	Impact Factor: 0.814
		12 2	Title of the Paper: Optimization of Cut-Out Shape on Composite Plate Under In-Plane Shear Loading Authors: Sivakumar, V. et al Name of the Journal: Journal of Failure Analysis and Prevention ASM International Month and Year of Publication: Volume No. Springer, Volume 12, Issue 2 DOI 10.1007/s 11668-012-9553-5. Page No. 204-213	SCOPUS listed
		12 3	Title of the Paper: “Neural Network Paradigms for Fatigue Strength Prediction of Fibre-Reinforced Composite Materials”, Authors: Dr. K M. Mini and Sowmya Manne Name of the Journal: International journal of Advanced Structural Engineering, a SpringerOpen Journal Month and Year of Publication: 2012 Volume No. 4:7 Page No.1-14	
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			Authors: Rakesh Reghunath, Mahadevan Lakshmanan, K.M.Mini Name of the Conference: INCOM-11, 11th ISAMPE National Conference on Composites, Duration of the Conference:2012 Name of the Organizer: Conference Venue: Amrita Vishwa Vidyapeetham, Coimbatore	
		12 5	Title of the Paper: Restoration Of Video By Removing Rain Authors: D.Venkataraman, Sajitha Krishnan Name of the Journal: International Journal of Computer Science, Engineering and Applications (IJCSEA) Month and Year of Publication: April 2012 Volume No. Vol.2, No.2 DOI : 10.5121/ijcsea.2012.2202 19 Page No.	
		12 6	Title of the Paper: Segmentation Of Lung Glandular Cells Using Multiple Color Spaces Authors: D Venkataraman, Sajith Kecheril S, J Suganthi and K Sujathan Name of the Journal: International Journal of Computer Science, Engineering and Applications (IJCSEA) Month and Year of Publication: June 2012 Volume No. Vol.2, No.3 DOI : 10.5121/ijcsea.2012.2314 147 Page No.	
		12 7	Title of the Paper: Hybrid Steganography using Visual Cryptography and LSB Encryption Method Authors: Gokul, Umesh and Shriram K V Name of the Journal: International Journal of Computer Applications (IJCA) [ISSN 0975 – 8887”] Month and Year of Publication: December 2012 Volume No. The paper is also indexed with indexed with DOAJ, Google Scholar, Informatics, ProQuest CSA Technology Research Database. http://www.ijcaonline.org/archives/volume59/number14/9614-4247 Page No.	(Impact Factor 0.835)
		12 8	Title of the Paper: Block Dependency Feature Based Classification Scheme for Uncalibrated Image Steganalysis Authors: Deepa D. Shankar, Gireesh Kumar T., Praveen K., Jithin R., Ashji S. Raj Name of the Journal: Data Engineering and Management LNCS Month and Year of Publication: 2012	

			Volume No. Vol. 6411 Page No. 189-195	
		12 9	Title of the Paper: Multiple Fault Diagnosis and Test Power Reduction Using Genetic Algorithms in Communications Authors: J.P.Anita and P.T.Vanathi Name of the Journal: Computer and Information Science Month and Year of Publication: 2012 Volume No. Vol.305, Springer-Verlag, Berlin Heidelberg	SCOPUS listed
		13 0	Title of the Paper: VLSI Architecture for Despeckling of SAR Image Using Parametric Multiwavelet Authors: Vidhyalavanya R, Madheswaran M Name of the Journal: 'Procedia Engineering Month and Year of Publication: 2012, Volume No Elsevier, vol. 30. Page No. 1205-1211	
		13 1	Title of the Paper: A Novel Leakage Power Reduction Technique for CMOS VLSI Circuits Authors: GeethaPriya, M., Baskaran, K. and Krishnaveni D Name of the Journal: European Journal of Scientific Research Month and Year of Publication: 2012 Volume No. Vol. 74, No.1 Page No. 96-105	SCOPUS listed
		13 2	Title of the Paper: A Novel Design of Reversible Universal Shift Register with Reduced Delay and Quantum Cost Authors: Krishnaveni, D. and GeethaPriya, M. Name of the Journal: Journal of Computing Month and Year of Publication: 2012 Volume No. Vol. 4, No. 2 Page No. 164 -173	
		13 3	Title of the Paper: Hindi Character Segmentation in Document Images using Level set Methods and Non-linear Diffusion Authors: Manjusha K, Sachin Kumar S, Jolly Rajendran and K P Soman Name of the Journal: International Journal of Computer Applications Month and Year of Publication: April 2012 Volume No. 44(16) Page No. 42-49	
		13 4	Title of the Paper: A Reliability Level List based SDD Algorithm for Binary Cyclic Block Codes Authors: B. Yamuna, T.R. Padmanabhan Name of the Journal: International Journal of Computers, Communications & Control Month and Year of Publication: 2012 Volume No. Vol .7, No.2 Page No. 388-395.	0.438
		13	Title of the Paper: Analysis and Design of	0.729

		5	Planar Multilayered Parabolic Absorber for Low Power Applications Electromagnetics (Taylor and Francis) Authors: S.Pandi, Sabarish Naryanan B, V.P.McGinn Name of the Journal: Month and Year of Publication: August 2011 Volume No. 31:6 Page No. 448-459	
		13 6	Title of the Paper: Damping of Tie-line Power Oscillations in Interconnected Power System using Variable Structure System and Unified Power Flow Controller Authors: K.R.M.Vijaya Chandrakala, S.Balamurugan,, K.Sankaranarayanan Name of the Journal: Journal of Electrical Systems Month and Year of Publication: March 2012 Volume No. Volume 8, Issue 1	
		13 7	Title of the Paper: Genetic Algorithm Tuned Optimal Variable Structure System Controller for Enhanced Load Frequency Control Authors: K. R. M. Vijaya Chandrakala, S. Balamurugan, K. Sankaranarayanan Name of the Journal: International Review of Electrical Engineering Month and Year of Publication: April 2012 Volume No. Volume 7, Issue 2	
		13 8	Title of the Paper: Implementation of grid interface for generation side power management Authors: Ms. Roopa, Ms. R. R. Lekshmi Name of the Journal: International Journal of Engineering Research and Technology (IJERT) Month and Year of Publication: May 2012 Volume No. Vol. 1 Issue 3, ISSN 2278 – 0181	
		13 9	Title of the Paper: Comparative Analysis of Structure and Texture based Image Inpainting Techniques Authors: S.Padmavathi, K.P.Soman Name of the Journal: International Journal of Electronics and Computer Science Engineering,(IJECSE) Month and Year of Publication: june 2012 Volume No. Volume 1, Number 3 Page No. 1062-1069	
		14 0	Title of the Paper: Identifying Fingertips for Human Computer Interaction Authors: RM Arunachalam, M Ashok Gowtham, R Aarthi Name of the Journal: International Journal of Research and Reviews in Computer Science (IJRRCS) Month and Year of Publication: Feb 2012 Volume No. 3 Page No.	

		14 1	Title of the Paper: Improved Data Discrimination in Wireless Sensor Networks Authors: B. A. Sabarish, S. Shanmugapriya Name of the Journal: Scientific Research Month and Year of Publication: April 2012 Volume No. vol.4 No.4 Page No. 117-119 ISSN Print: 1945-3078 ISSN Online: 1945-3086	
		14 2	Title of the Paper: The Regular Number of a Graph Authors: Ashwin Ganesan & Radha R Iyer Name of the Journal: Journal of Discrete Mathematical Sciences and Cryptography Month and Year of Publication: 2012 Volume No. Vol.15, No.223 Page No. PP149-157	Scopus
		14 3	Title of the Paper: Exploring Optimal Topology and Routing Algorithm for 3D Network on Chip Authors: K. Somasundaram, and N. Viswanathan Name of the Journal: American Journal of Applied Sciences Month and Year of Publication: 2012 Volume No. Vol.9, No.3 Page No. 300-308	Scopus I.F : 1.4
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		14 6	Title of the Paper: Predicting Remaining Useful life of Cutting Tools with Regression and ANN analysis Authors: Gokulachandran.J and Mohandas .K, Name of the Journal: International Journal of Productivity and Quality Management Month and Year of Publication: 2012 Volume No. 9, No. 4 ,Page No. 502-518	
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		14 8	Title of the Paper: Decision support system using artificial immune recognition system for fault classification of centrifugal pump Authors: N.R.Sakthivel, Binoy.B.Nair ,V.Sugumaran, and Rajkumar S.Rai, “”, , Vol. 3, No.1, 2011 pp.66-84. Inderscience publishers Name of the Journal: International Journal of Data Analysis Techniques and Strategies Month and Year of Publication: 2012	
		14 9	Title of the Paper: A combined AHP and DEA based approach to measure agility of manufacturing systems Authors: P.G.Salleshya, A.Subashbabu Name of the Journal: International Journal Of Business and Systems research Month and Year of Publication: 2012 Volume No. 6, Page No.431-455	
		15 0	Title of the Paper: ‘Discrete particle swarm optimisation algorithms for minimizing the completion-time variance of jobs in flowshops’ Authors: Rameshkumar, K., Rajendran, C. and Mohanasundaram, K.M Name of the Journal: Int. J. Industrial and Systems Engineering Month and Year of Publication: 2011. Volume No.7, No.3. Page No. 317-340	SCOPUS listed
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		15 1	Title of the Paper: A Blend of Sulfonated Polyether ether ketone and Poly Ether Ether Sulfone for Direct Methanol Fuel Cell Authors: S. Guhan, R. Muruganantham, D. Sangeetha Name of the Journal: International Journal of Current Research	

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		15 2	Title of the Paper: Composite Membranes of Sulfonated Polyether Ether Ketone and Montmorillonite as Electrolyte for Direct Methanol Fuel Cell Authors: S. Guhan, D. Sangeetha Name of the Journal: Research and Reviews in Electrochemistry Month and Year of Publication: 2012 Volume No. Vol. 3 (4) Page No. 129-138	
		15 3	Title of the Paper: Development of Solid Polymer Electrolyte Membrane Based on Sulfonated Polyether Ether Ketone and Polysulfone for Fuel Cell Applications Authors: S. Guhan, R. Muruganantham, D. Sangeetha Name of the Journal: Canadian Journal of Chemistry Month and Year of Publication: 2012 Volume No. Vol. 90 (2) Page No. 205-213.	
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	National Journal	1	Title of the Paper: Measuring Diffusion in Stream Ciphers using Statistical Testing Methods Authors: C. Srinivasan, K. V. Lakshmy, and M. Sethumadhavan Name of the Journal: Defence Science Journal Month and Year of Publication: 2012 Volume No. Vol. 62, no. 1 Page No. 6–10.	Impact Factor: 0.359 Indexed: Scopus
		2	Title of the Paper: A Distortion Free Relational Database Watermarking Using Patch Work Method Authors: R. Arun, K. Praveen, Divya Chandra Bose, Hiran V. Nath Name of the Journal: Advances in Intelligent and Soft Computing Month and Year of Publication: 2012 Volume No. 132 Page No. 531-538	Publication: Springer Indexed: Scopus
		3	Title of the Paper: Multiset Topologies Induced by Multiset Relations	Publisher:

			Authors: K. P. Girish, Sunil Jacob John Name of the Journal: Information Sciences Month and Year of Publication: 2012 Volume No. Vol. 188 Page No. 298 – 313	Elsevier Impact Factor: 3.643
		4	Title of the Paper: Non Linear Secret Sharing for Gray Scale Images, Authors: Aishwarya Nandakumar, P. P. Amritha, K.V Lakshmy, Vijaya Sai Talluri Name of the Journal: Procedia Engineering Month and Year of Publication: 2012 Volume No. Vol. 30 Page No. 945-952	Scopus Indexed
		5	Title of the Paper: Tracking of nose tip: An Alternative for Mouse Authors: Gireesh Kumar T., K. J. Poornaselvan, Sattviksharma, Gulshan Kumar, Sreevathsan R Name of the Journal: Lecture Notes in Computer Science(LNCS), Springer-Verlag, Germany Month and Year of Publication: 2012 Volume No. 6411 Page No. 219-225	Springer Publication
		6	Title of the Paper: RFID for Supply Chain Management Authors: Prashant R.Nair Name of the Journal: CSI Communications Month and Year of Publication: November 2012 Volume No.36, No.8 Page No. 14-18	
		7	Title of the Paper: Hypergraphs of Minimal Arc Bases in a Digraph Authors: Kumar Abhishek, B. D. Acharya and GERmina K. A Name of the Journal: Journal of Combinatorics, Information & System Sciences Month and Year of Publication: 2012 Volume No. 2-4 Page No. 319 - 331	
		8	Title of the Paper: Some New Results on Set- graceful and Set Sequential Graphs Authors: Kumar Abhishek, B. D. Acharya and GERmina K. A and P. J. Slater Name of the Journal: Journal of Combinatorics, Information & System Sciences Month and Year of Publication: 2012 Volume No. 2-4 Page No. 229 - 239	
		9	Title of the Paper: Non Parametric Regression Curve Estimation Using Generalized Coiflets Authors: T. Palanisamy and J. Ravichandran Name of the Journal: Journal of Combinatorics, Information & System Sciences Month and Year of Publication: 2012 Volume No. 2-4	

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		10	Title of the Paper: The regular number of a graph Authors: Ashwin Ganesan and Radha R. Iyer Name of the Journal: Journal of Discrete Mathematical Sciences and Cryptography Month and Year of Publication: 2012 Volume 15 Page No. 149-157.	
		11	Title of the Paper: The Total Minimal Dominating Graph Authors: Radha R Iyer Name of the Journal: (Advances in Domination Theory I Vishwa International Publications Month and Year of Publication: Volume (ISBN 81-900205 -5 -2) Page No.	
		12	Title of the Paper: Gold nanoparticle– polypyrrole composite modified TiO2 nanotube array electrode for the amperometric sensing of ascorbic acid Authors: T. G. Satheesh Babu , Dhanya Varadarajan ,Gayathri Murugan , T. Ramachandran ,Bipin G. Nair Name of the Journal: J Appl Electrochem Month and Year of Publication:12.04.2012 Volume No: 42, 427–434	
		13	Title of the Paper: Study on vacancy related defects of CdS nanoparticles by heat treatment Authors: N. S. Roshima, S. Saravana Kumar, A. Uma Maheswari, M. Sivakumar Name of the Journal: Journal of Nano Research Month and Year of Publication:2012 Volume No: 18-19 (2012) pp 53-61	0.63
		14	Title of the Paper: Modeling of doped ZnO waveguides for nonlinear applications Authors: Rosmin Elsa Mohan,K.S.Sreelatha ,M.Sivakumar, A.Krishnashree Name of the Journal: Advanced Materials Research Month and Year of Publication:2012 Volume No: 403-408 (2012) pp 3753-3757.	
		15	Title of the Paper: Nutrient content and total antioxidant activity in brahmi, moringa, amla, dried powdersand formulation of value added prices Authors: Dr P R Janci Rani Name of the Journal: Indian journal of nutrition and Dietics Month and Year of Publication: Volume No: pp	
	International	1.	Title of the Paper: A New Framework to	

	Conference (Proceedings)		Automatically Select Noise Model for Rician Noise Estimation in MR Images, Authors: Nivitha Varghees V, Rolant Gini M Sabarimalai Manikandan and K P Soman Name of the Conference: ICACC 2012 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		2.	Title of the Paper: Performance Study of Active Contour Model Based Character Segmentation with Nonlinear Diffusion, Authors: K. Syama, Nikitha George, Swathy Sekhar, C. S. Neethu, K. P. Soman and M Sabarimalai Manikandan Name of the Conference: ICACC 2012 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		3.	Title of the Paper: GNU radio based control system Authors: Anand R, Hariharan V, Gintu Xavier, Neethu Prasannan, Rakesh Peter and Soman K.P Name of the Conference: ICACC 2012 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		4.	Title of the Paper: Secrecy of Cryptography with Compressed Sensing Authors: Sreedhanya A.V. and Soman K.P Name of the Conference: ICACC 2012 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		5	Title of the Paper: Comparative Study of Recent Compressed Sensing Methodologies in Astronomical Images Authors: Nidhin Prabhakar T V, Hemanth V K, Sachin Kumar S, Arun Soman, K P Soman Name of the Conference: ICACC 2012 Duration of the Conference: Name of the Organizer: Conference Venue: Page No:	

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	International Conference (Proceedings)	6.	Title of the Paper: Design and Implementation of Parametric Biorthogonal Wavelet Filters in Open Source Mathematics ,– Sage Software Authors: Arathy Nair and Soman K P Name of the Conference: ICACC 2012 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		8.	Title of the Paper: Compressive channel Estimation for OFDM transmission in UWA channels using iterative sparse reconstruction Algorithms Authors: Lakshmi K., P.Muralikrishna, K.P. Soman Name of the Conference: Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		9.	Title of the Paper: Design and Optimization of Band Pass Filter for Software Defined Radio Telescope International conference on Information and Applied Science. Bangalore Authors: Jolly Rajendran, Rakesh Peter, and K. P. Soman Name of the Conference: Duration of the Conference: 17/06/12 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		10	Title of the Paper: Design of Circular Polarized Microstrip Patch Antenna for L band	

			Authors: Jolly Rajendran, Rakesh Peter, and K. P. Soman Name of the Conference: International Conference on Computer Science & Information Technology(ICCSIT-2012) Duration of the Conference: 21st April,2012 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		11	Title of the Paper: Design of Trapezoidal Monopole Antenna with truncated ground plane for 2.5 GHz Band Authors: Jolly Rajendran, Rakesh Peter, and K. P. Soman Name of the Conference: International Conference on Communication Computing and Security Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		12	Title of the Paper: Comparative study of Recent Compressed Sensing Methodologies in Astronomical Images Authors: Nidhin Prabhakar T V, Hemanth V K, Sachin Kumar S, Arun Soman, K P Soman Name of the Conference: <i>International Conference at Rajagiri,</i> Duration of the Conference: August2012 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		13	Title of the Paper: Performance study of Active Contour model based character segmentation with Non-Linear Diffusion Authors: K. Syama, Nikitha George, Swathy Sekhar, C. S. Neethu, K. P. Soman and M Sabarimalai Manikandan Name of the Conference: <i>2012 International Conference on Advances in Computing and Communications (ICACC 2012)</i> Duration of the Conference: 9-11 August 2012 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		14	Title of the Paper: A Robust Watermarking method based on Compressed Sensing and Arnold scrambling,	

			Authors: Veena V K, Jyothish Lal G, Vishnu Prabhu S, Sachin Kumar S, Soman K P Name of the Conference: <i>International Conference on Machine Vision and Image Processing</i> Duration of the Conference: Dec 2012 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		15	Title of the Paper: 'Low Velocity impact studies on glass fiber reinforced composite materials with different volume fraction', Authors: Rakesh Reghunath, Mahadevan Lakshmanan, K.M.Mini Name of the Conference: International Conference on Materials Science and Technology (ICMST 2012) Duration of the Conference: Name of the Organizer: Department of Physics, Conference Venue: St. Thomas College, Pala, Kottayam Page No: Paper No. 217.	
		16	Title of the Paper: Flood Vulnerability of Soft – Storied Residentail Buildings. Authors:. Remya Retnan, C.Natarajan, A.Raja RamanMenon, Name of the Conference: Sustainable Innovative Techniques in Civil & Environmental Duration of the Conference: 5-6th June 2013 Name of the Organizer: Krishi Sanskriti. Conference Venue: Jawaharlal Nehru University, New Delhi. Page No: 51-54.	
		17	Title of the Paper: Synthesis of SPION: Composition, Size Distribution, and Magnetic Properties Authors: Dr.Murali, Vikram, S., Dhakshnamoorthy, M., Rajamani, A. R., Vasanthakumari, R. Name of the Conference: BIND 2012, Indian Institute of Science, Bangalore Duration of the Conference: December 9-11, 2012 Name of the Organizer: Indian Institute of Science Conference Venue: Bangalore	
		18	Title of the Paper: Nitrile rubber nanocomposites for control bladders : Application of DoE technique Authors: S.S. Bhagawan and Meera Balachandran Name of the Conference: International Multicomponent Polymer Conference	

			IMPC2012 organised by Institute of Macromolecular Science and Engineering Duration of the Conference: 23rd – 25th March, 2012 Name of the Organizer: School of Applied Sciences, Engineering and Health, RMIT University, Australia and Centre for Nanoscience and Nanotechnology at M.G. University, Kottayam Conference Venue: Centre for Nanoscience and Nanotechnology at M.G. University, Kottayam Page No: 48	
		19	Title of the Paper: Nanocomposites : Property Dependence on Filler Shape and Content Authors: : S.S. Bhagawan and Meera Balachandran Name of the Conference: Third International Conference on Natural Polymers, Bio-polymers, Bio-Materials, their composites, Blends, IPNs and Gels Polyelectrolytes and Gels: Macro to Nano Scales, ICNP-2012 Duration of the Conference: October 26-28, 2012 Name of the Organizer: Centre for Nanoscience and Nanotechnology at M.G. University, Kottayam and Beijing University of Chemical Technology, China, Conference Venue: Centre for Nanoscience and Nanotechnology at M.G. University, Kottayam Page No: 27	
		20	Title of the Paper: Synthesis of carbon nanotubes from ethanol using RF-CCVD and Fe-Mo catalyst Authors: Ramakrishnan, S., Jelmy, E. J., Kothurkar, N., Rangarajan, M. Name of the Conference: 6th International Symposium on Macro-and Supramolecular Architectures and Materials, MAM 2012 Duration of the Conference: Nov 21-25, 2012 Name of the Organizer: Centre for Nanoscience and Technology, K.S.R.College of technology, Thiruchengode & World Class University, GIST, South Korea Conference Venue: Coimbatore	
		21	Title of the Paper: SWCNT-Polyimide Electrospun Nanocomposites Authors: Dhakshnamoorthy, M., Ramakrishnan, S., Vikram, S., Kothurkar, N., Vasanthakumari, R., Rangarajan, M. Name of the Conference: 6th International Symposium on Macro-and Supramolecular Architectures and Materials, MAM 2012 Duration of the Conference: Nov 21-25, 2012 Name of the Organizer: Centre for Nanoscience and Technology, K.S.R.College of technology, Thiruchengode & World Class	

			University,GIST,South Korea Conference Venue: Coimbatore	
		22	Title of the Paper: Electrochemical Sensing of Dopamine on TiO ₂ -RGO Nanocomposites Authors: Sruthy, K., Rajamani, A. R., Ramakrishnan, S., Kothurkar, N.,Rangarajan, M. Name of the Conference: NMC 2012, 9th International Workshop on Nanomechanical Sensing Duration of the Conference: June 6-8, 2012 Name of the Organizer: IIT Mumbai Conference Venue: Mumbai	
		23	Title of the Paper: TiO ₂ nanoparticle –Graphene Nanocomposite Photoanode for Dye Sensitized Solar Cell Applications. Authors: Mohanraj S., S. Ramakrishnan D. Kumaresan, and N.K. Kothurkar. Name of the Conference: 4th International Confernece on Advanced Materials. Duration of the Conference: 2012 Name of the Organizer: Chennai	
		24	Title of the Paper: Co-oxidation agent effects on the electrical and thermal properties of Polyaniline nanofibers. Authors: Manivel, P., S. Ramakrishnan, N.K. Kothurkar, D. Mangalaraja, and C. Viswanathana Name of the Conference: 6th International Symposium on Macro and Supramolecular Architectures and Materials. Duration of the Conference: 21-25,Nov 2012 Name of the Organizer: Centre for Nanoscience and Technology,K.S.R.College of technology,Thiruchengode & World Class University, GIST, South Korea Conference Venue: Coimbatore Page No: Proceedings Published By: IUPAC	
		25	Title of the Paper: Synthesis of multiwalled carbon nanotubes using RF-CCVD and a bimetallic catalyst Authors: Ramakrishnan, S., E.J. Jelmy, A. Baladandapani, M. Rangarajan, and N.K. Kothurkar. Name of the Conference: AIP Conference Proceedings. Duration of the Conference: 2012 Name of the Organizer:	
		26	Title of the Paper: Is Sustainable Development an Oxymoron? Author: Dr. Sriram Devanathan Name of the Conference: International Conference on Renewable Energy Resources for 21st Century Duration of the Conference: 10/03/2012	

			Name of the Organizer: Amrita Vishwa Vidyapeetham Conference Venue: ,Coimbatore	
		27	Title of the Paper:Experiences with Constructivist Approach to Learning Software Development using Free and Open Source Software Authors: Adinarayanan V, Smrithi Rekha V Name of the Conference: International Conference on Technology Enhanced Education Month and Year of Publication: 2012	
		28	Title of the Paper: A Secured Concurrent Available Architecture for improving performance of Web Servers Authors:N.Harini, T. R. Padmanabhan Name of the Conference: ICIP 2012, Springer, Communications in Computer and Information Science 292 Month and Year of Publication: August 2012 ISSN:18650937(Indexed in Scopus) Page No.621-631	
		29	Title of the Paper: Survey on various steganographic algorithms” International Conference on Information and network technology Authors: Deepa R, Nimmy K. Thiruppathi K, Reshma R Name of the Conference: IPCSIT Duration of the Conference: Name of the Organizer: Conference Venue: Page No: vol. XX , 2012 Proceedings Published By:	Indexed: IPCSIT
		30	Title of the Paper: Reconciliation engine and metric for network vulnerability assessment”, SECURIT '12 Authors: Hiran V. Nath, K. Gangadharan, M. Sethumadhavan Name of the Conference: First International Conference on Security of Internet of Things, ACM, New York, NY, USA Duration of the Conference: 9-21,2012 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	Publisher: ACM
		31	Title of the Paper: An Efficient and Faster Pairing Computation Authors: Praveen I., M. Sethumadhavan Name of the Conference: SECURIT '12 First International Conference on Security of Internet of Things, ACM, New York, NY, USA Duration of the Conference: 145-149, 2012.	Publisher: ACM

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		32	Title of the Paper: Area and Speed Aware Decomposition of Logic Circuits for Look Up Table based FPGAs Authors: Ramesh S.R, Athira P.V Name of the Conference: Third international Conference on Intelligent Information Systems and management (IISM) Duration of the Conference: July 12-14, 2012 Name of the Organizer: RVS College of Engineering, Coimbatore Conference Venue: RVS College of Engineering, Coimbatore Page No: 399-403 Proceedings Published By: RVS College of Engineering, Coimbatore	
		33	Title of the Paper: Comparison of Configurations of Data path Architecture Developed using Template Authors: Bala Tripura Sundari, Varsha Krishnan Name of the Conference: International Conference on Advances in Computing Duration of the Conference: July 4-6, 2012 Name of the Organizer: M.S.Ramaiah Institute of technology , Bangalore Conference Venue: M.S.Ramaiah Institute of technology , Bangalore Page No: 539-548 Proceedings Published By: Springer LNCS Computer Science Series vol: 174	
		34	Title of the Paper: A Novel Analytical Model for Wave Propagation through High Frequency Circuit Substrates for Analysis of Wireless interconnects Name of the Conference: Twelfth International Conference on Electromagnetic Interference and Compatibility (INCEMIC 2012) Duration of the Conference: December 6-7, 2012 Name of the Organizer: Electronics and Radar Development Establishment (LRDE – a DRDO lab) Conference Venue: NIMHANS Bangalore Page No: 507-510 Proceedings Published By: LRDE	
		35	Title of the Paper: Toggle Rate Estimation Technique for FPGA circuits considering spatial correlation	

			Authors: Ramesh.S.R ,Anju.P.J Name of the Conference: International Conference on Computing,Communication and Networking(ICCCNT) Duration of the Conference: July 26-28,2012 Name of the Organizer: SNS College of Engineering, Coimbatore Conference Venue: Page No: Proceedings Published By:	
		36	Title of the Paper: Fusion of Fingerprint, Face and Iris for Personal Identification Based on Expectation Maximization Authors: J.Aravinth and Dr.S.Valarmathy Name of the Conference: International Convention cum pre-conference workshop on Innovations in Engineering and Technology for Sustainable Development (IETSD-2012) Duration of the Conference: 3 - 5 September 2012 Name of the Organizer: Conference Venue: Bannari Amman Institute of Technology , Sathyamangalam. Page No Proceedings Published By:	
		37	Title of the Paper: Design of Trapezoidal Monopole Antenna with Truncated Ground Plane for 2.5 GHz Band, Procedia Technology Authors: Jolly Rajendran, Rakesh Peter, K.P. Soman Name of the Conference: 2nd International Conference on Communication, Computing & Security Duration of the Conference: October 6-8, 2012. Name of the Organizer: Conference Venue: National Institute of Technology Rourkela Page No: Volume 6, 2012, Pages 650-657ISSN 2212-0173, 10.1016/j.protcy.2012.10.078. (http://www.sciencedirect.com/science/article/pii/S2212017312006238) Proceedings Published By:	SCOPUS listed
		38	Title of the Paper: Support Vector Machine Based Dynamic Energy Management on Smart Grid Authors: MS. Prasannavadana D, Dr. K.K. Sasi Name of the Conference: ICIIIS Duration of the Conference: August 2012 Name of the Organizer: IIT Madras Conference Venue: IIT Madras Page No: Proceedings Published By:	
		39	Title of the Paper: Energy minimization in real	

			time embedded systems by control of context switches Authors: Anju S. Pillai, T.B.Isha Name of the Conference: 2nd international conference on smart technologies for materials, communication, controls, computing and energy Duration of the Conference: 2 days Name of the Organizer: Vel Tech Dr. RR and SR technical university, Chennai Conference Venue: Vel Tech Dr. RR and SR technical university, Chennai Page No: Proceedings Published By:	
		40	Title of the Paper: A new real time simulator for task scheduling Authors: Anju S. Pillai, T.B.Isha Name of the Conference: 2nd international conference on smart technologies for materials, communication, controls, computing and energy Duration of the Conference: 2 days Name of the Organizer: Tamilnadu college of engineering, Coimbatore Conference Venue: Tamilnadu college of engineering, Coimbatore	
		41	Title of the Paper: Modelling, implementation and testing of an effective fault tolerant multiprocessor real-time system Authors: A Anand, Rajendra Y, S Narayanan, Radhamani Pillay Name of the Conference: International Conference on Parallel Distributed and Grid Computing 2012 Duration of the Conference: 6-8 Dec 2012 Name of the Organizer: IEEE Society and Jaypee University of Information Technology, Solan India Conference Venue: Solan, Shimla, India Page No:107-113 Proceedings Published By: IEEE	
		42	Title of the Paper: Image Restoration using knowledge from the image Authors: S.Padmavathi, R.Aarthi, K.P.Soman Name of the Conference: The Second International Conference on Advances in Computing and Information Technology (ACITY 2012) Duration of the Conference: July 13 ~ 15, 2012 Name of the Organizer: AIRCC(Academic and Industry Research Collaboration Center) Conference Venue: Chennai Page No: 19-25 Proceedings Published By: Springer Advances in Intelligent systems and Computing 177, Advances in Computing and Information Technology, Natarajan Meghanathan,	

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		43	Title of the Paper: Automatic Classification of Liver Diseases from ultrasound Images using GLRLM Features Authors: Raghesh Krishnan K, Dr.R.Sudhakar, Name of the Conference: 5th International Conference on Soft Computing applications (SOFA'12) Duration of the Conference: Aug 22 2012 to Aug 24 2012 Name of the Organizer: IEEE Conference Venue: SZEGED, Hungary Page No: 611 – 624 Proceedings Published By: Springer-Verlag Berlin Heidelberg 2013 (Advances in Intelligent Systems and Computing Volume 195, 2013, pp 611-624) DOI: 10.1007/978-3-642-33941-7_54	
		44	Title of the Paper: Digital Signatures Using Multivariate Polynomial Systems with Relatively Simpler Central Maps Authors: Sivasankar M, Padmanabhan T R Name of the Conference:6th International Conference on Information Processing, ICIP 2012 Duration of the Conference: August 10-12, 2012 Name of the Organizer: University Visvesvaraya College of Engineering, Bangalore Conference Venue: Bangalore Page No: 592- 598 Proceedings Published By: Springer	
		45	Title of the Paper: Generation of Key Bit-streams Using Sparse Matrix-vector Multiplication for Video Encryption Authors: Sivasankar M Name of the Conference: Second International Conference on Soft Computing for Problem Solving (SocProS 2012) Duration of the Conference: December 28-30, 2012 Name of the Organizer: JK Lakshmipat University , Jaipur Conference Venue: Jaipur Page No: 491-496 Proceedings Published By: Springer	
		46	Title of the Paper: Modeling a responsive supply chain through exploratory factor analysis Authors: P.Raghuram, P.G.Salessya Name of the Conference: 12th International Consortium of Students in Management Research Duration of conference: 16-17th November 2012 Name of the Organizer: Department of Management Studies , IISc, Bangalore	

		47	Title of the Paper: Surface modification of Ti and Its alloys using Hydrogen Peroxide solution for biomedical application Authors: Dr.M.Karthega Name of the Conference: International conference on design of biomaterials, Duration of the Conference: 9th -11th December 2012 Name of the Organizer: IISC Bangalore Conference Venue: IISC Bangalore	
		48	Title of the Paper: Image Denoising Solutions using Heat diffusion Equation EPSCICON 2012 Authors: Lakshmi K, Parvathy R, Soumya S, K P Soman Name of the Conference: 2nd International Conference on Electric Power, Signals, Control & Computation IEEE explore Duration of the Conference: Name of the Organizer: Conference Venue: Thrissur Page No: 1 – 5 Proceedings Published By: Digital Object Identifier : 10.1109/EPSCICON.2012.6175261	
		49	Title of the Paper: Effect of Pre-processing on Binarization and Segmentation of Scanned Documents Authors: Mithu Sugathan, Souparnika Sreedhar, Durgadevi ,K P Soman Name of the Conference: International Conference on Computer Science and Information Technology Duration of the Conference: July 2012 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		50	Title of the Paper: Implementation of l_1 Magic and One bit Compressed Sensing based on Linear Programming Using Excel Authors: Indukala P K, Lakshmi K, Sowmya V, K P Soman Name of the Conference: , ICACC-2012 Duration of the Conference: 9-11 Aug 2012 Name of the Organizer: Conference Venue: Rajagiri School of Technology Cochin Page No: Proceedings Published By:	
		51	Title of the Paper: Photophysical Studies on Terpyridyl Platinum(II) Chromophore-Electron	

			Acceptor Dyads for the Photocatalytic Hydrogen Generation from Water Authors: Kumaresan, D Spring 2012 San Diego ACS National Meeting (March 25 – 29, 2012) organized by American Chemical Society, Division of Fuel Chemistry Month and Year of Publication: January 2012 Volume No. 57(1), Page No: 66-68	
		52	Title of the Paper: Challenges and Solutions in the Implementation of Learning Management Systems in India Author: Dr. Sriram Devanathan Name of the Conference: International Conference on Technology Enhanced Education, Duration of the Conference: 04/01/2012 Name of the Organizer: Amrita Vishwa Vidyapeetham Conference Venue: Amritapuri Campus, Kollam Page No: Proceedings Published By:	
		53	Title of the Paper: Effect of polar and nonpolar solvents in the synthesis of silver nanoparticles using Azadirachta indica leaf extract Name of the Conference: National Symposium on Emerging Horizons in Biotechnology – Challenges and Prospects, Alpha Arts and Science College Authors: Mukundan, D., Rangarajan, M., Vikram, S., Dhakshnamoorthy, M., Vasanthakumari, R. Duration of the conference: September 20-21, 2012	
		54	Title of the Paper: Design and Development of Efficient Photosensitizers for the Dye Sensitized Solar Cells Authors: D. Kumaresan Name of the Conference: ISAMPE Duration of the Conference: 1 day, 2012 Name of the Organizer: ISAMPE Conference Venue: NAL, Bangalore Page No: 14 Proceedings Published By:	
		55	Title of the Paper: Linear Mixing Rule for Predicting Heat Transfer to Immiscible Liquid Mixtures. Authors: Rangarajan, M., S. Sathiyar, N.K. Kothurkar, and S. Ramachandran, Name of the Journal: International Journal of Heat and Mass Transfer Month and Year of Publication: 2011	
		56	Title of the Paper: "Automatic Keyphrase Extraction and Segmentation of Video Lectures" Author: Vidhya Balasubramanian, Arun Balagopalan, Lalitha Lakshmi, Nithin Chandrasekharan and Aswin Damodar,	

			Name of the Conference: IEEE International Conference on Technology Enhanced Education (ICTEE), Month and Year of Publication: January 2012.	
		57	Title of the Paper: "Value based higher Education", Author: Dr.N.Radhika, Name of the Conference: International conference on global spiritual paradigm for surmounting global management crisis, to be held from at Varanasi. Month and Year of Publication: "Feb 24th Feb 26th, 2012 "	
		58	Title of the Paper: Human Gait Recognition and Classification Using Time Series Shapelets Authors: P. Bagavathi Sivakumar, Shajina. T Name of the Conference: Proceedings of International Conference on Advances in Computing and Communications (ICACC 2012)Cochin, IEEE Explore, Duration of the Conference: 2012 Name of the Organizer: Conference Venue: Page No: 31-34 Proceedings Published By:	Indexed in Scopus
		59	Title of the Paper: Object Detection and Tracking in Video using particle filter Authors: T.Senthil Kumar, Sivanandam, S.N Name of the Conference: International Conference on Computing, Communication and Networking Technology (ICCCNT12), Duration of the Conference: 26-28 July 2012 Name of the Organizer: Conference Venue: SNS College of Engineering, Coimbatore Page No: Proceedings Published By: published in IEEE Explore	
		60	Title of the Paper: A Secure and Efficient Registration for IP Mobility Authors: Senthil Kumar Mathi, M.L.Valarmathi and G.Ramprasath, Name of the Conference: International Conference SECURIT 2012 Duration of the Conference: 2012 Name of the Organizer: Amrita School of Engineering, Amritapuri, Kollam Conference Venue: Page No: Proceedings Published By:	
		61	Title of the Paper: Least Squares Channel estimation for 2x2 MIMO Millimeter Wave System	

			Authors: S.Kirthiga, M.Jayakumar and Ansu Mathew Name of the Conference: International Conference on Emerging Technological Trends in Advanced Engineering Research [ICETT 2012], Duration of the Conference: 2012 February 20-21 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		62	Title of the Paper: MMSE Based Channel Estimation for Millimeter Wave MIMO System using TSV Model Authors: S.Kirthiga, Deepak P, G Krishna Kanth, M Yella Reddy, Murali Manohar & G Siddharth Reddy Name of the Conference: International Conference on Electrical Electronics Engineering. (ICEEE-2012) Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		63	Title of the Paper: Computer Aided Detection and Diagnosis of Masses in Dense Tissue Breasts Authors: Lavanya R, G N Sunith, S Pradeep, Divya Bonagiri, A Anusha Abhipsa Samantra Name of the Conference: International Conference on Information Technology, Electronics & Communications (ICITEC - 2012) Duration of the Conference: March 3-4, 2012 Name of the Organizer: International Academic and Industrial Research (IAIR) Conference Venue: Bengaluru Page No: Proceedings Published By:	
		64	Title of the Paper: Detection of Bilateral Asymmetry in Digital Mammogram Using Interpolation Authors: R Lavanya, Sreedhiya R Name of the Conference: International Conference on Emerging Trends in Advanced Engineering Research (ICETT2012) Duration of the Conference: February 20-21, 2012 Name of the Organizer: Conference Venue: Baseline Mathews College of Engineering Kollam, Kerala Page No:	

			Proceedings Published By:	
		65	Title of the Paper: FPGA Implementation of Multiwavelet Transform using Systolic Array Authors: Vidhyalavanya. R, Madheswaran M Name of the Conference: The Second International Congress on Interdisciplinary Research and Development, Bangkok,Thailand Duration of the Conference: 31 May - 1 June 2012 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		66	Title of the Paper: Predicting BSE Sensex: Using Enhanced Black Litterman Model Authors: MalarvizhiArulraj, PVS Meghana, Suganya D MurugappanArun, KarthikaR Name of the Conference: In Proc. Fourth International Conference on Electronics Computer Technology(Archived-IEEE Xplore Digital Library) Duration of the Conference: April.2012 Name of the Organizer: Conference Venue: Page No: vol. 3, pp.238-241, Proceedings Published By:	
		67	Title of the Paper: Global Portfolio Optimization for BSE Sensex using the Enhanced Black Litterman Model Authors: MalarvizhiArulraj, Meghana PVS, Karthika R Name of the Conference: In Proc. International Conference on Modeling Optimization Computing, Technology (Archived-Elsevier Procedia Engineering) Duration of the Conference: April.2012 Name of the Organizer: Conference Venue: Page No: vol.38, 00. 2987-2997 Proceedings Published By:	
		68	Title of the Paper: Analysis of drain current model for multiple gate MOSFETs Authors: Santhi George and KarthighaBalamurugan Name of the Conference: International conference on Emerging technology trends in advanced Engg, research (ICETT 2012) Duration of the Conference: 20th - 21th of Feb 2012. Name of the Organizer: Baselios Mathew II college of Engg.,Sasthamcotta, Kollam Conference Venue:	

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			Proceedings Published By:	
		69	Title of the Paper: Extraction and Modeling of Metallization Capacitance of MOSFET for Millimeter-Wave CMOS Circuits Authors: Sari, KarthighaBalamurugan and M.Jayakumar Name of the Conference: 4th International Conference on Electronics Computer Technology- ICECT 2012,Kanyakumari Duration of the Conference: 8th April 2012 Name of the Organizer: Conference Venue: Page No: Proceedings Published By: The ICECT 2012 proceedings will be published by IEEE and All the papers will be archived in the IEEE Xplore and indexed by EiCompendex and ISI Proceedings http://www.icect.org/8th April 2012	
		70	Title of the Paper: VLSI Design of a High Throughput Viterbi Decoder Authors: KarthighaBalamurugan, Shreyas Narayanan, Abinaya G., Pradeep Kumar K, Sathyaraj R and Siva Subramaniam D Name of the Conference: International conference on Information Technology, Electronics and Communications (ICITEC-2012) Duration of the Conference: March 3-4, 2012 Name of the Organizer: Conference Venue: Bangalore Page No: 117-122 Proceedings Published By: IAIR	
		71	Title of the Paper: Leakage Power Reduction Techniques in Deep Submicron Technologies for VLSI Applications Authors: GeethaPriya, M., Baskaran, K. and Krishnaveni, D. Name of the Conference: International Conference on Communication Technology and System Design Duration of the Conference: December 7-9, 2011 Name of the Organizer: Conference Venue: Amrita VishwaVidyapeetham Coimbatore Page No: Proceedings Published By	
		72	Title of the Paper: Feature Extraction for Multimodal Biometrics and Study of Fusion Using Gaussian Mixture Model Authors: S.Arunvivek, J.Aravinth and	

			Dr.S.Valarmathy Name of the Conference: Proceedings of the IEEE International Conference on Pattern Recognition, Informatics and Medical Engineering Duration of the Conference: March 21-23, 2012 Name of the Organizer: Conference Venue: Periyar University, Salem Page No: Proceedings Published By:	
		73	Title of the Paper: Adaptive MRI Image Denoising Using Total-Variation and Local Noise Estimation Authors: NividhaVarghees,SabarimalaiManikandan, Rolantgini Name of the Conference: “ , IEEE International Conference on Advances in Engineering, Science and Management (IEEE-ICAESM) Duration of the Conference:2012 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		74	Title of the Paper: A New Framework to Automatically Select Noise Model for Rician Noise Estimation in MR Images Authors: NivithaVarghees V, SabarimalaiManikandan, and K. P. Soman, Rolantgini Name of the Conference: Second International Conference on Advances in Computing and Communications (ACC-2012) IEEE Conference Duration of the Conference: April 2012. Name of the Organizer: Conference Venue: Page No: Proceedings Published By	
		75	Title of the paper: Improvement of Transient Stability of the Power System Using Small Magnetic Energy Storage Authors: Dr. S.Balamurugan, S.Selvakumar, K.R.M. Vijaya Chandrakala Name of the conference: IEEE- International Conference on Advances in Engineering, Science and Management (IEEE-ICAESM 2012) Duration of conference: 30 to 31 March, 2012 Conference Venue: EGS Pillay Engineering College, Nagapattinam	
		76	Title of the Paper: Energy minimization in real time embedded systems by control of context	

			switches Authors: Anju S. Pillai, T.B.Isha Name of the Conference: 2nd international conference on smart technologies for materials, communication, controls, computing and energy Duration of the Conference: 2 days Name of the Organizer: Vel Tech Dr. RR and SR technical university, Chennai Conference Venue: Vel Tech Dr. RR and SR technical university, Chennai	
		77	"Title of the paper : "From Delhi to Halifax and Beyond: The Journey of The Immigrant. Authors : Dr.Harini Jayaraman & MS.M.G.Priya Name of the Conference : "Literary/Linguistic Responses to Contemporary Socio-Cultural and Paradigm Shifts in India and Canada: A Comparative Study". Venue : Bharathidasan University,Tiruchirappalli.	
		78	Title of the Paper:Optimization of Cutting Parameters using Genetic Algorithm Authors: Prakash Marimuthu K, J Gokulachandran Name of the Journal: 2nd International Conference on Simulation, Modeling and Analysis Duration of conference: 14-16 December 2011 Name of the Organizer: Amrita School of Engineering, Coimbatore, National institute of Technology, Calicut, NAFEMS - INDIA Page No:443-447	
		79	Title of the Paper: Signature analysis of Welding defects in STB joints using GMAW process, Authors: Syed Quadir Moinuddin, Rameshkumar.K, Saimurugan.M, Sathakumari.A. Name of the Conference: Proceedings of SOJOM 2012 Duration of the Conference: 2012 Name of the Organizer: ICA 069	
		80	Title of the Paper: Texel Identification Using K-Means Clustering Method Authors: S.Padmavathi, C.Rajalakshmi, K.P.Soman Name of the Conference: ICCSEA 2012 , Second International Conference on Computer Science, Engineering and Applications Duration of the Conference: 2012-05-25 - 2012-05-27 Name of the Organizer: AIRCC(Academic and Industry Research Collaboration Center) Conference Venue: Delhi Page No: 285-294 Proceedings Published By: Springer "Advances	

			in Intelligent and soft Computing 167, Advances in Computer Science, Engineering and Applications, David c. Wyld, Jan Zizka, Dhinaharan Nagamalai, ISBN 978-3-642-30110-0, DOI 10.1007/978-3-642-30111-7, e-ISBN978-3-642-30111-7	
		81	Title of the Paper: ITA- Improved Trust Aware Framework for Wireless Sensor Networks Authors: B.A.Sabarish, M.Priyanka et.al Name of the Conference: International Conference on Electrical Engg. and Computer Science (ICEECS) Duration of the Conference: 2 Days Name of the Organizer: IRnet Conference Venue: Hyderabad Page No: 32- 36 Proceedings Published By: IRnet	
		82	Title of the Paper: Nonic B-Spline Collocation Method for Eighth Order Boundary Value Problem Authors: P. Murali Krishna Name of the Conference: International Conference 57th Congress of ISTAM Duration of the Conference: 17th – 22nd December 2012 Name of the Organizer: Conference Venue: Defence Institute of Advanced Technology ,Pune Page No: Proceedings Published By:	
		83	Title of the Paper: Storage time and axial velocity distribution of electrons in a quadrupole Penning trap Authors: Dr. K T Sathyajith, B.M. Dyavappa, Sharath Ananthamurthy Name of the Conference: WHCI International Workshop TIFR Mumbai Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		84	Title of the Paper: A More Efficient and Faster Pairing Computation with Cryptographic Security Authors: Praveen .I and Sethumadhavan .M Name of the Conference: First International Conference on Security of Internet of Things, at Kerala Duration of the Conference: 17th -19th August 2012. Name of the Organizer: Conference Venue: Page No:	

			Proceedings Published By:	
	National Conference (Proceedings)	1	Title of the Paper: Effect of Skin–Rib Debond on Adhesive Bonded Composite Control Surface of a High Speed Aircraft Authors: Sivakumar, V., Karuppannan D., Byji Varughese Name of the Conference: National Conference on Composites, INCCOM11 Duration of the Conference: 2-3 November Name of the Organizer: Conference Venue: Amrita Vishwa Vidyapeetham University, Coimbatore Page No: Proceedings Published By: ISAMPE	
		2	Title of the Paper: Design and Implementation of Parametric Biorthogonal Wavelet filters in open source mathematics software-sage Authors: Arathy Nair, KP Soman Name of the Conference: ICACC 2012 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		3	Title of the Paper: Compressive channel Estimation for OFDM transmission in UWA channels using iterative sparse reconstruction Algorithms Authors: Lakshmi K, P Muralikrishna, K P Soman Name of the Conference: IEEE INDICON Duration of the Conference: Dec 2012 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		4	Title of the Paper: Study on Mechanical Properties of Plastic Fibre Reinforced Concrete, Authors: Divya Darshini, K., Sreeja Varma, K.P, Sree Narayanan Menon, N., Kiran Raj, C.Jayasree, Name of the Conference: Fifth CUSAT National Conference on Recent Advances in Civil Engineering Duration of the Conference: November 29- December 01,2012 Name of the Organizer: School of Engineering, Cochin University of Science and Technology, Conference Venue: Kochi, Page No: 174- 179. Proceedings Published By:	

		5	Title of the Paper: "Low Velocity Impact Studies on GFRP composites with different volume fraction" Authors: Rakesh Reghunath, Mahadevan Lakshmanan, K.M.Mini Name of the Conference: INCOM-11, 11th ISAMPE National Conference on Composites, Duration of the Conference:2012 Name of the Organizer: Conference Venue: Amrita Vishwa Vidyapeetham, Coimbatore	
		6	Title of the Paper: Secondary Doped Polyaniline as Counter electrode in Dye Sensitized Solar Cells Authors: E. J. Jelmy, S. Mohanraj, A.R. Rajamani, Duraisamy Kumaresan, Nikhil. K. Kothurkar Name of the Conference: <i>FAPS-MACRO-2013</i> Duration of the Conference: Name of the Organizer: Conference Venue: IISc Bangalore Page No: Proceedings Published By:	
		7	Title of the Paper: Effect of polar and nonpolar solvents in the synthesis of silver nanoparticles using <i>Azadirachta indica</i> leaf extract Authors: Mukundan, D., Rangarajan, M., Vikram, S., Dhakshnamoorthy, M., Vasanthakumari, R. Name of the Conference: <i>National Symposium on Emerging Horizons in Biotechnology – Challenges and Prospects</i>, Alpha Arts and Science College Duration of the Conference: September 20-21,2012 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		8	Title of the Paper: <i>Polyaniline nanocomposites: Effect of different carbon fillers and dopant acids on the electrical properties.</i> Authors: Jelmy, E.J., S.Ramakrishnan, N.K. Kothurkar, and M. Rangarajan. Name of the Conference: <i>Recent Advances in Polymer Science and Technology</i>. 2012. The Society for Polymer Science India, Trivandrum Duration of the Conference: 2012 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	

		9	Title of the Paper: Design and Development of Efficient Photosensitizers for the Dye Sensitized Solar Cells Authors: D. Kumaresan Name of the Conference: ISAMPE Duration of the Conference: 1 day,2012 Name of the Organizer: ISAMPE Conference Venue: NAL, Bangalore Page No: 14	
		10	Title of the Paper: Automatic Image Categorization and Annotation using Spatial Markov Kernel Authors: Ms. D.Bharathi, Ms. R Manjusha and Ms. P Malathi Name of the Conference: National Conference on Architecture, Software Systems and Green Computing, 2012 Duration of the Conference: Name of the Organizer: Conference Venue: Aarupadai Veedu Institute of Technology ,Chennai Page No: Proceedings Published By:	
		11	Title of the Paper: Data Compression Techniques: a survey Authors: Mohan Kumar, Aswathy, Manchineni, Palaniappan Preetham amd Srivatsa Name of the Conference: RTCSP 2013 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: 106-109,2013 Proceedings Published By:	
		12	Title of the Paper: Design of a multilayer Microstrip antenna for MIMO applications Authors: Jaivigneshwar, Karthikeyan, Ramya, Tharaini Yogesh, Jayakumaar Name of the Conference: RTCSP 2013 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: 110-113,2013 Proceedings Published By:	
		13	Title of the Paper: Frequency, Voltage and Angle Tracking for Photovoltaic Grid-Connected Inverter Based on SVPWM Technique Authors: A.N. Archana Name of the Conference: Conference on Advanced Trends in Engineering and Technology Duration of the Conference: 09 November 2012 Name of the Organizer: Vimal Jyothi	

			Engineering College, Chemperi Conference Venue: Vimal Jyothi Engineering College, Chemperi Page No: Proceedings Published By:	
		14	Title of the Paper: Development of a Smart Grid Simulator Authors: Mr. Nithin S, Dr. K.K. Sasi, Dr. T. N. P. Nambiar Name of the Conference: National Conference on Power Distribution Duration of the Conference: November 2012 Name of the Organizer: CPRI, Bangalore Conference Venue: CPRI, Bangalore Page No: Proceedings Published By:	
		15	Title of the Paper: Simulation and Experimental Verification of Transformationless Control of Series Active Filter for Mitigating Load Voltage Harmonics Authors: Mr. Anu G. Kumar, Dr. S. Srinath, Dr. M. P. Selvan Name of the Conference: National Power Systems Conference -2012 Duration of the Conference: December 2012 Name of the Organizer: Indian Institute of Technology- BHU, Varanasi Conference Venue: Indian Institute of Technology- BHU, Varanasi Page No: Proceedings Published By:	
		16	Title of the Paper: Experimental Verification of Unified Power Quality Conditioner with Transformation Less Combined Mode Control Authors: Mr. Anu G. Kumar, Dr. S. Srinath, Dr. M. P. Selvan Name of the Conference: National Power Systems Conference -2012 Duration of the Conference: December 2012 Name of the Organizer: Indian Institute of Technology- BHU, Varanasi Conference Venue: Indian Institute of Technology- BHU, Varanasi Page No: Proceedings Published By:	
		17	Title of the Book: Applications of Data Mining in Management of Metabolic and Degenerative Disorders Authors: Prashant R.Nair and Sandhya Joshi Name of the Conference: Applications of Data Mining in Management of Metabolic and Degenerative Disorders Duration of the Conference: 2 days, ISBN 978- 81-924422-0-4 Proceedings Published By: AMRITA	
		18	Title of the Paper: Calculation of Q Values for	

			alpha decay of A=152-181 using S- Matrix methods Authors: K.Aditya, M.Dharani, P. Prema, S.Mahadevan, C.S.Shastry Name of the Conference: DAE-BRNS National symposium on Nuclear Physics Duration of the Conference: Dec 2-7 , 2012 Name of the Organizer: Conference Venue: Delhi University, New Delhi	
		19	Title of the Paper: A new framework to automatically select noise model for Rician noise estimation in MR images Authors: Nivitha Verghese V.,Roland Gini,M Sabarimalai manikandan and K P Soman Name of the Conference: ICACC, 2012 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		20	Title of the Paper: GNU Radio-based Control System Authors: Anand R.,Hariharan V,Gintu Xavier,Neethu Prasannan,Rakesh Peter and K P Soman Name of the Conference: , ICACC 2012. Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		21	Title of the Paper: Protein Sequence Analysis Using Chaos Game Representation Signals in Excel Authors: Poornima S V, K P Soman Name of the Conference: RTCSP 2012 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		22	Title of the Paper: Optimization of Polyaniline [PANI] – Natural Rubber [NR] based blends using Design of Experiments [DoE] Authors: Smriti Pandalai, Krishna Pratap, S. Raghavendran, J. D. Sudha, S. S. Bhagawan Name of the Conference: National seminar on recent advances in polymer science and technology, SPSI [Society for Polymer Science] Duration of the Conference: June 23, 2012 Name of the Organizer: Conference Venue: Thiruvananthapuram, Page No:	

			Proceedings Published By: Title of the Paper: MoldFlow Analysis of an injection moulded nylon 66 Authors: Anand Sankar, Abhinesh Pandian, <u>Harihara Subramaniam</u>, Vineetha, Tharunaa Sakthi, Vinoj Vasu, M. Kannan, Geeta Baskaran, S. S. Bhagawan Name of the Conference: National seminar on recent advances in polymer science and technology, SPSI [Society for Polymer Science, India] Duration of the Conference: June 23, 2012. Name of the Organizer: Conference Venue: Thiruvananthapuram Page No:	
		23	Proceedings Published By: Title of the Paper: Peer to Peer File Sharing Using IRM Authors: K.Abirami and SumanReddy Name of the Conference: National Conference on Computer Science and Informatics(NCCSI'12) Duration of the Conference: 23rd and 24th April 2012 Name of the Organizer: Conference Venue: Page No:	
		24	Proceedings Published By: Title of the Paper: Density Based Score Fusion of Fingerprint, Iris and Face for User Authentication Authors: ArunVivek S, Shanthini S, Navaneethan P, Vibushita M, Aswin Ravi and J.Aravinth Name of the Conference: Proceedings of fifth National Conference on Recent trends in Information and Communication Technology(RTICT-2012) Duration of the Conference: 2-3 April 2012 Name of the Organizer: Conference Venue: Bannari Amman Institute of Technology , Sathyamangalam Page No:	
		25	Proceedings Published By: Title of the Paper: An efficient algorithm for the diameter of interconnection networks based on transposition sets Authors: Ashwin Ganesan Name of the Conference: International Conference on Networks in Biology, Social Science and Engineering Duration of the Conference: 12th - 14th July 2012	
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			Name of the Organizer: Conference Venue: IISc Bangalore Page No: Proceedings Published By:	
		27	Title of the Paper: Automorphism groups of Cayley graphs of connected transposition sets Authors: Ashwin Ganesan Name of the Conference: National Conference on Algebra and Number Theory, at CUSAT, Cochin Duration of the Conference: 16th – 18th August 2012 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
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		29	Title of the Paper: Improved Pairing Computations on Not Supersingular Elliptic Curves Authors: Praveen .I Name of the Conference: National Conference on Recent Trends in Advanced Mathematics(NCRTAM 2012) Duration of the Conference: 2nd -4th Feb 2012 Name of the Organizer: Conference Venue: Vidya Academy of Science & Technology, Thrissur Page No: Proceedings Published By:	
		30	Title of the Paper: Frequency, Voltage and Angle Tracking for Photovoltaic Grid-Connected Inverter Based on SVPWM Technique Authors: A.N. Archana Name of the Conference: Conference on Advanced Trends in Engineering and Technology Duration of the Conference: 09 November 2012 Name of the Organizer: Vimal Jyothi	

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		85	Title of the Paper: Influence of thermal oxidation on surface and thermo-mechanical properties of polyethylene Authors: Balasubramanian Suresh, S Maruthamuthu, Alika Khare, N Palanisamy, V S Muralidharan, R Ragunathan, M Kannan, K Navaneetha Pandiyaraj. Name of the Journal: Journal of Polymer Research Month and Year of Publication: 05/2011 Volume No.18	1.73

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		86	Title of the Paper: Mechanical and surface properties of low-density polyethylene film modified by photo-oxidation Authors: Balasubramanian Suresh, Sundaram Maruthamuthu, Murugasamy Kannan, Angannan Chandramohan Name of the Journal: Polymer Journal Month and Year of Publication: 05/2011 Volume No. 43 (4) Page No. :398-406	1.3
		87	Title of the Paper, “In situ microfibrillar blends and composites of polypropylene and poly (ethylene terephthalate): Morphology and thermal properties”, Authors: : K. Jayanarayanan, Sabu Thomas and Kuruvilla Joseph Name of the Journal: Journal of Polymer Research , Month and Year of Publication: January 2011 Volume No. 18(1) Page No. 1-11	1.733
		88	Title of the Paper: Water absorption behavior of PALF/GF hybrid polyester composites Authors: , L.Uma Devi, S. S. Bhagawan, K.C. Manikandan Nair, S. Thomas, Name of the Journal: Polymer Composites Month and Year of Publication: March 2011 Volume No. 32 (3) Page No. 335-346	
		89	Title of the Paper: Optimizing properties of nanoclay-nitrile rubber [NBR] composites using face centred central composite design Authors: Meera B Sasikumar, D. Sriram, R. Muraleekrishnan, S. S. Bhagawan, Name of the Journal: Materials & Design Month and Year of Publication: DOI information: 10.1016/j.matdes.2011.03.077	
		90	Title of the Paper: Influence of Superplasticizers on the Non-Newtonian characteristics of cement paste. Authors: C. Jayasree, J Muralikrishnan and Ravindra Gettu Name of the Journal: Materials and Structures Journal Month and Year of Publication: 2011 Volume No. RILEM 44 Page No. 929–942.	1.278
		91	Title of the Paper: “Convergence Analysis of Differential Evolution Variants on Unconstrained Global Optimization Functions” Authors: G.Jeyakumar and C.Shunmuga Velayutham Name of the Journal: International Journal of Artificial Intelligence & Applications (IJAIA), Academy and Industry Research Collaboration	

			Centre – AIRCC Month and Year of Publication: April-2011. Volume No. ISSN:2 Page No. 116 To 127	
		92	Title of the Paper: “Experimental Study on Recent Advances in Differential Evolution Algorithm” Authors: G.Jeyakumar and C.Shunmuga Velayutham Name of the Journal: International Journal of Applied Evolutionary Computation (IJAE), IGI Global Publishing Academy. Month and Year of Publication: June 2011. Volume No. ISSN: Vol 2, Issue 2 Page No. 58-81	
		93	Title of the Paper: “Application of Computer-Aided Music Composition in Music Therapy” Authors: G.Jeyakumar, J Vasudha, G Iyshwarya and A Tamarai Selvi Name of the Journal: International Journal of Innovation, Management and Technology (IJMT) Month and Year of Publication: February 2011 Volume No. ISSN Vol. 2, No. 1 Page No. 55-57	
		94	Title of the Paper: “Computer Aided Music Generation Using Genetic Algorithm and Its Potential Applications” Authors: G.Jeyakumar, J Vasudha, G Iyshwarya and A Tamarai Selvi Name of the Journal: International Journal of Computer Science and Engineering Technology (IJCSET) Month and Year of Publication: February 2011. Volume No. ISSN: Vol. 2, No. 1 Page No. 6-11	
		95	Title of the Paper: Performance study of Millimeter Wave system using Triple-SV Model Authors: S.K.Arjun, SheetalS.Shah, J. ShriramTatachari, A.S.Sripriya, J.B.Vivedhini. S.Krithiga, and M.Jayakumar Name of the Journal: International Journal of Information and Communication Technologies Month and Year of Publication:2011 Volume No. Page No.	
		96	Title of the Paper: Arbitrary defect diagnosis in combinational Digital circuits Authors: ReejaRaju,J.P.Anita and P.T.Vanathi Name of the Journal: International Journal of Micro and Nano Systems (IJMNS) Month and Year of Publication:2011 Volume No. Vol.2 No.1 Page No. 27-32	
		97	Title of the Paper: Gabor Functions for Interpolation on Hexagonal Lattice	

			Authors: S.Veni, K.A.Narayanankutty Name of the Journal: International Journal of Electronics & Communication Technology (IJECT) Month and Year of Publication: March 2011 Volume No. Volume 2, Issue 1 Page No.	
		98	Title of the Paper: Employing Hexagonal Wavelets for Detecting Microcalcification in Digital Mammography Authors: S.Veni, K.A.Narayanankutty, Fayas A Name of the Journal: ICGST-GVIP Journal Month and Year of Publication: March 2011 Volume No. Volume 11, Issue 1 Page No.	
		99	Title of the Paper: Hardware Implementation of Edge detection on Hexagonal Sampled Image Grids Authors: S.Veni, K.A.Narayanankutty, Mohammad Raffi Name of the Journal: International Journal of Computer Applications Month and Year of Publication: June 2011 Volume No. Volume 24, No.2, Page No. 0975 – 8887	0.835
		100	Title of the Paper: Power management during scan based sequential circuit testing Authors: Reshma, P. and GeethaPriya, M Name of the Journal: Advance Computing: An International Journal Month and Year of Publication: 2011. Volume No :Vol.2, No.3. Page No. 9-20	
		101	Title of the Paper: A Novel Design of Reversible Serial and Parallel Adder/Subtractor Authors: Krishnaveni, D. and GeethaPriya, M Name of the Journal: International Journal of Engineering Science and Technology Month and Year of Publication:2011 Volume No. Vol. 3, No. 3 Page No. 2280-2288	
		102	Title of the Paper: Low Power High Speed Multiplier using Parallel Multiplication Authors: MadhavThiyagarajan, MuraliManoharSelvaraj, SudharshanVeerabatheran, Prabhu E, Kumaravelkarthikeyan & KarthikeyanSubbiah Name of the Journal: International Journal of VLSI Design Month and Year of Publication:2011 Volume No. Vol.2 No.1 ISSN2229-3167. Page No. 75-78	
		103	Title of the Paper: Automatic Generation Control for Hydrothermal Plant with Variable Structure System Controller and Superconducting	

			Magnetic Energy Storage Authors: Ms. K.R.M.Vijaya Chandrakala, Dr. S.Balamurugan, Dr. K.Sankaranarayanan Name of the Journal: Automation Engineering and Systems Engineering Month and Year of Publication: September 2010 Volume No. No. 4, Issue No.3 Page No.142-153	
		10 4	Title of the Paper: Ruminations of Mysticism in Rabindranath Tagore and Rumi” Authors: Dr Harini Jayaraman and M G Priya Name of the Journal: M S Academic Month and Year of Publication: July 2011 Volume No: Vol. 1, No. 4, Page No: 42-49	
		10 5	Title of the Poem: “Who can Answer Them...?” Author: M.G.Priya Name of the Journal: an international journal, Labyrinth Month and Year of Publication: April 2011 Volume No: Vol. 2/No.2 Page No: pp.203	
		10 6	Title of the Paper: Tracking of nose tip: An alternative to mouse Authors: Gireesh Kumar T, K. J. Poornaselvan, Sattvik Sharma, Gulshan Kumar and Sreevathsan R Name of the Journal: Book: Lecture Notes in Computer Science (LNCS), Month and Year of Publication: Volume No. 6411Springer Verlag, Germany 2011 (Book Chapter) Page No.	
		10 7	Title of the Paper: I:- An alternative to mouse using gestures Authors: Gireesh Kumar T, K. J. Poornaselvan, Sattvik Sharma, Gulshan Kumar and Sreevathsan R Name of the Journal: 2011 International Journal of Data Analysis, Techniques and Strategies Month and Year of Publication: Volume No. Page No.	
		10 8	Title of the Paper: Orthodox Γ-Semirings Authors: Mr. R. Aruldoss Name of the Journal: Advances in Algebra Month and Year of Publication: February 2011 Volume No. Vol.4 No.1 Page No. pp35-40	
		10 9	Title of the Paper: Hydromagnetic Flow Through a Uniform Channel Bounded by Porous Media Authors: K. Shailendhra and K.Ramakrishnan Name of the Journal: Applied Mathematics and Mechanics, Month and Year of Publication:	Scopus 0.647

			Volume No. Volume 32, No.7 Page No. 837-846	
		110	Title of the Paper: Computational Modeling And Simulation Of Nano Molecular Switch For Alzheimer's Disease (A Gene Silencing Technique) Authors: OS. Deepa Gopakumar, K.U. Radhagayathri, Krishnan Namboori P.K., V.P. Mohandas, T.Subeesh, and K.I. Ramachandran, Name of the Journal: International Journal of Nano-Sciences (IJN) Month and Year of Publication: February 2011 Volume No. Vol. 10 Issue No.1 Page No.	
		111	Title of the Paper: On the Enhanced Heat Transfer in the Oscillatory Flow of Liquid Metals Authors: K. Shailendhra and S.P.Anjali Devi Name of the Journal: Journal of Applied Fluid Mechanics Month and Year of Publication: 2011 Volume No. Vol.4, No.2, Issue 1 Page No. 57-62	Scopus
		112	Title of the Paper: Pulsated Convective MHD Flow with Hall Current, Heat Source and Viscous Dissipation along a Vertical Porous Plate Authors: K. Shailendhra, S.P. Anjali Devi, and P.T.Hemamalini Name of the Journal: International Journal of Applied Mathematics and Computation Month and Year of Publication: 2011 Volume No. 3(2), Page No. 141-150	
		113	Title of the Paper: A Chi-Square-based Heuristic Statistical Procedure for Approximating Bid Price in a competitive Market Place: a Case Study Authors: J. Ravichandran Name of the Journal: International Journal of Emerald, Journal of Business and Industrial Management, Month and Year of Publication: 2011 March Volume No. 27 Page No. 69-76	1.00
		114	Title of the Paper: Determinantal Mates Authors: K. Somasundaram and P. Subramanian Name of the Journal: International Journal of Algebra, Month and Year of Publication: 2011 Volume No. 5, no.24 Page No. 1181-1187	
		115	Title of the Paper: Cognitive Environment for Pervasive Learners Authors: Sattvik Sharma, M. V. N. N. S.	

			Srikanth, Harshith C., Sreevathsan R., Gireesh Kumar T Name of the Journal: Communications in Computer and Information Science, Lecture Notes in Computer Science(LNCS) Month and Year of Publication: 2011 Volume No.191 Page No. pp506-515	
		11 6	Title of the Paper: Steganalysis for Calibrated and lower embedded uncalibrated images Authors: Deepa D. Shankar, Gireesh Kumar T., Hiran V. Nath Name of the Journal: Swarm, Evolutionary, and Memetic Computing, Lecture Notes in Computer Science Month and Year of Publication: 2011 Volume No. 7077 Page No. 294-300	
		11 7	Title of the Paper: A survey on digital image steganographic methods Authors: Amritha P. P., Gireesh Kumar T Name of the Journal: Book Chapter: Cyber Security, Cyber Crime and Cyber Forensics: Applications and Perspectives, IGI Global, US Month and Year of Publication: 2011 Volume No. Page No. 250-258	
		11 8	Title of the Paper Effect of axial pressure and tool rotation speed on temperature distribution during dissimilar friction stir welding Authors V Ratna KishorePadmanaban, V.Balusamy Name of the Journal Advanced materials research Month and Year of Publication Volume No. Page No. Accepted for Publication	2.911
		11 9	Title of the Paper: Adiabatic burning velocity and cellular flame characteristics of H₂-CO-CO₂-air mixtures Authors V. Ratna Kishore¹, M.R. Ravi, Anjan Ray Name of the Journal Combustion and Flame Month and Year of Publication Nov-11 Volume No. Vol. 158, Issue 11 Page No. 2149-2164	
		12 0	Title of the Paper Hybrid Fuzzy Model Based Expert System for Misfire Detection in Automobile Engines Authors Babu Devasenapati.S and Ramachandran.K.I Name of the Journal International Journal of Artificial Intelligence Month and Year of Publication Oct-11 Volume No. Volume 7, Number A11 Page No.	1.924

		12 1	Title of the Paper Neural Predictive Controller Based Diesel Injection Management System for Emission Minimisation Authors C.N.Arunaa, S.Babu Devasenapati, K.I.Ramachandran, K.Vishnuprasad, C.Surendra Name of the Journal International Journal of Green Computing Month and Year of Publication July-December 2011 Volume No. 2(2) Page No. 63-82	
		12 2	Title of the Paper A model to assess the agility of manufacturing organizations:systems approach and application Authors P.G.Saleeshya, A.Subash Babu, A.S.Vishnu Name of the Journal International Journal of Productivity and Quality Management (IJPQM) Month and Year of Publication 2011 Volume No. Vol.8, No.3 Page No. 265-295	
		12 3	Title of the Paper Application of goal programming to manage agility in manufacturing systems Authors P.G.Saleeshya, A.Subash Babu Name of the Journal International Journal of Agile Systems and Management (IJAMS) Month and Year of Publication 2011 Volume No. Vol.4, No.3 Page No. 222-237	Scopus
		12 4	Title of the Paper Class of Sustainable Supply Chain Routing Problems – Framework and Comprehensive Review Authors Sivakumar, P., Ganesh, K., Yves Ducq, and Anbuudayasankar, S.P Name of the Journal International Journal of Services and Operations Management Month and Year of Publication Accepted for Publication Volume No. Page No.	
		12 5	Title of the Paper Study of Multi-Commodity Network Flow Problem for the Patient Distribution System Authors Malairajan, R.A., Ganesh, K., Qureshi, M.N., Anbuudayasankar, S.P., and Tzong-Ru Lee Name of the Journal International Journal of Logistics Systems and Management Month and Year of Publication Accepted for Publication Volume No. 12 Issue : 1 Page No. 70 - 88	Scopus Listed
		12 6	Title of the Paper Comparison of meta-heuristics for container ship routing problem	Scopus Listed

			Authors S. Santhanakrishnan, T.T. Narendran, Ganesh, K. and Anbuudayasankar, S.P Name of the Journal International Journal of Services and Operations Management Month and Year of Publication Accepted for Publication Volume No.12, Issue : 3 Page No. 348 - 367	
		12 7	Title of the Paper Study and Suggestions on Inbound Logistics for Vehicle Utilization – A Case Study Authors Ganesh, K., Malairajan, R.A., Qureshi, M.N., Anbuudayasankar, S.P., and Mukesh Kumar Barua Name of the Journal International Journal of Innovation and Sustainable Development Month and Year of Publication Accepted for Publication Volume No. 6 Issue : 3 Page No. 237 - 264	Scopus Listed
		12 8	Title of the Paper Development of Temporal Confirmation Model for Knowledge Management Solution Implementation Authors Nagarajan, S., Ganesh, K., Resmi, A.T., Anbuudayasankar, S.P. and Hemachitra, R Name of the Journal International Journal of Business Information Systems Month and Year of Publication Accepted for Publication Volume No.11, Issue : 3 Page No. 253 - 282	Scopus Listed
		12 9	Title of the Paper Design for Taxonomy and Technology Architecture for Knowledge Management Solution Implementation Authors Nagarajan, S., Ganesh, K., Resmi, A.T., Anbuudaysankar, S.P. and Hemachitra, R Name of the Journal International Journal of Business Information Systems Month and Year of Publication Accepted for Publication Volume No.11, Issue : 2 Page No. 180 - 214	Scopus Listed
		13 0	Title of the Paper Class of Sustainable Supply Chain Routing Problems – Framework and Comprehensive Review Authors Sivakumar, P., Ganesh, K., Yves Ducq., and Anbuudayasankar, S.P Name of the Journal International Journal of Services and Operations Management Month and Year of Publication Accepted for Publication Volume No.12, Issue : 2 Page No. 188 - 220	Scopus Listed
		13 1	Title of the Paper An Investigation of the effect of Ni content and hardness on the wear behaviour of Sand Cast Cu-Ni-Sn Alloys	Scopus Listed

			Authors S.Ilayangovan, R.Sellamuthu Name of the Journal International Journal of Microstructure and Material Properties Month and Year of Publication Accepted for Publication Volume No. Page No.	
		13 2	Title of the Paper Predicting stock market trends using hybrid ant colony based data mining algorithms- An empirical validation on Bombay stock exchange Authors Binoy B. Nair, V.P Mohandas, N.R Sakthivel Name of the Journal International Journal of Business Intelligence and Data Mining Month and Year of Publication Accepted for Publication Volume No. Page No.	Scopus Listed
		13 3	Title of the Paper Application of standalone system and hybrid system for fault diagnosis of centrifugal pump using time domain signals and statistical features Authors N.R.Sakthivel, Binoy.B.Nair V.Sugumaran, and Rajkumar, S.Rai Name of the Journal International Journal of Data Mining Modeling and Management Month and Year of Publication Accepted for Publication Volume No. Page No.	Scopus
		13 4	Title of the Paper A combined AHP and DEA based approach to assess the agility of manufacturing systems Authors P.G.Saleeshya , A.Subash Babu Name of the Journal International Journal of Business and Systems Research Month and Year of Publication Accepted for publication-July 2011 Volume No. Page No.	
		13 5	Title of the Paper: Prediction of tool life using fuzzy method Authors: Gokulachandran J and Mohandas K, Name of the Journal: International Journal of Business Review and Manufacturing Management (IJBRMM) Month and Year of Publication: Accepted	
		13 6	Title of the Paper: Neighborhood Search Assisted Particle Swarm Optimization (NPSO) Algorithm for Partitional Data Clustering Problems, Authors: Karthi R, Rajendran C., Rameshkumar, K.	0.247

			Name of the Journal: Communications in Computer and Information Science Month and Year of Publication: 2011. Volume No. 192, Part 4, Page No. 552-561	
		13 7	Title of the Paper: Optimization of machining parameters in turning process using genetic algorithm and particle swarm optimization with experimental verification, Authors: Ganesan, H., Mohankumar.G, Ganesan, K., Rameshkumar K. Name of the Journal: International Journal of Engineering Science and Technology (IJEST) Month and Year of Publication: 2011. Volume No.3(2) Page No.1091-1102	
		13 8	Title of the paper : Dry sliding wear and friction studies on A1Si10Mg- fly ash - graphite hybrid metal matrix composites using Taguchi method Authors : Dr. N Radhika, S Venkat Prasat Journal : Tribiology : Materials, Surfaces & Interfaces, Volume : 5, Issue : 2 pp - 72 - 81, 2011	
		13 9	Title of the paper : Formation of nanoporous oxide layer over a binary B-phase titanium in simulated body fluid Authors : M Karthega Journal : Journal of porous materials. Issue : 19, pp : 573 - 377, 2011---1.238	
		14 0	Title of the paper : Modified Savings Heuristics and Genetic Algorithm for Bi - objective vehicle routing problem with forced backhauls Authors : M Karthega Journal :Expert systems with applications, volume : 39, Issue : 3, pp : 2296 - 2305 -2.203	
		14 1	Title of the Paper: Synthesis of TiO2 nanoscale rods with MHz femtosecond laser irradiation of single surface and characterization Authors: Sivakumar, M,B,Tan, K.Venkatakrishnan Name of the Journal: AIP Advances Month and Year of Publication: Volume No.1, 022134(2011). Page No.	
	National Journal	1.	Title of the Paper: The Split Edge Domination Number of a Graph Authors: Radha R Iyer and V.R. Kulli, Name of the Journal: National Journal, Ultra	

			Scientist Month and Year of Publication: March 2011 Volume No. Vol.23(1)M Page No. pp190-194(2011)	
		2	Title of the Paper: Parent - child relationship and mental health of adolescent girl students Authors: J Paranjothi Ramalingam & B Subathara. Name of the Journal: Indian Psychological Review Volume- 77, Special Issue 2011. Page No: 325-328	
		3	Title of the Paper: Synthesis of TiO ₂ nanoscale rods with MHz femtosecond laser irradiation of single crystal surface and characterization Authors: Sivakumar, M,B,Tan, K.Venkatakrishnan Name of the Journal: AIP Advances 1 Month and Year of Publication:2011 Volume No: 1 Page No: 22134	
		4	Title of the Paper: "Synthesis and characterization high temperature conductive graphite nanoparticles aggregate with femtosecond laser pulses" Authors: Sivakumar, M,B,Tan, K.Venkatakrishnan, Name of the Journal: Applied Surface Science, doi:10.1016/j.apsusc.2011.06.012, 2011. Month and Year of Publication:2011 Volume No: 257 Page No: 9780-9784	1.32
		5	Title of the Paper: Strauctural,optical,electrical and luminescence properties of electorn bean evaporated CdSe:In films Authors: M.G.Ahamed Basheer,K.S.Rajni,V.S.Vidhya,V.Swaminathan, A.Thayumanavan,K.R.Murali,M.Jayachandran Name of the Journal: Month and Year of Publication: Volume No: Page No:	0.879
	International Conference (Proceedings)	1.	Title of the Paper: Robust Voice Activity Detection Under Nonstationary Noise Environments Authors: P.Kathirvel,S.Soumya,V.K.Hemanth,M.Sabarim alai Manikandan and K.P.Soman Name of the Conference: International Conference on Computational Intelligence and Computing Research Duration of the Conference: Dec 15-18, 2011 Name of the Organizer: Conference Venue: Cape Institute of Technology Page No:	

			Proceedings Published By:	
		2	Title of the Paper: Demand Responsive Public Transportation using Wireless Technologies Authors: Prasanth, Geetha P and Shanmugha sundaram Name of the Conference: International Conference on Humanitarian Relief (ACWR 2011) Duration of the Conference: Dec 18-21, 2011 Name of the Organizer: Conference Venue: Amritapuri Page No: Proceedings Published By: The same paper won first prize of Cash Award 1 lakh from Bosh Bangalore in RBEIS inscribe_Innovation presentation Contest 82 on 16th Dec.2011.	
		3	Title of the Paper: A Decision Tree Based Land Cover Image Classification using Color Space and Texture Authors: V Sowmya, M Sabarimalai Manikandan, K P Soman Name of the Conference: IEEE International Conference on Computational Intelligence and Computing Research Duration of the Conference: 15th – 18th Dec. 2011 Name of the Organizer: Conference Venue: Cape Institute of Technology, Kanyakumari Page No: Proceedings Published By:	
		4	Title of the Paper: A Novel Compressive Sensing based Methodology for Detection and Localization of Transient Signals Authors: S Jansi Rani, M Sabarimalai Manikandan, V Sowmya and K P Soman Name of the Conference: IEEE International Conference on Computational Intelligence & Computing Research Duration of the Conference: 15th-18th December, 2011 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		5	Title of the Paper: Automated Cardiac Event Change Detection for Continuous Remote	

			Patient Monitoring Devices Authors: Britty Baby,M Sarimalai Manikandan, K P Soman Name of the Conference: International Conference on Wireless Technology for Humanitarian Relief (ACWR 2011) Duration of the Conference: 18-21, Dec 2011. Name of the Organizer: Conference Venue: Amrita Viswa Vidyapeetham, Amritapuri Page No: Proceedings Published By:	
		6	Title of the Paper: Novel Framework for Automated Skew Detection and Correction in Scanned Document Images 2011 Authors: Praveen Krishnan, M.Sabarimalai Manikandan and Dr. K.P.Soman Name of the Conference: IEEE International Conference on Computational Intelligence and Computing Research Duration of the Conference: Name of the Organizer: Conference Venue: Cape Institute of Technology, Levengipuram,Kanyakumari. Page No: Proceedings Published By: Month and Year of Publication: 16.12.11	
		7	Title of the Paper: Level-set based Binarization and Segmentation for scanned malayalam document image analysis Authors: Merin Cherian,Radhika G.,Shajeesh K U,K P Soman,M Sabarimalai Manikandan Name of the Conference: IEEE International Conference on Computational Intelligence & Computing Research Duration of the Conference: 15th-18th December 2011 Name of the Organizer: Conference Venue: Cape Institute of Technology Page No: Proceedings Published By:	
		8	Title of the Paper: Robust Voice Activity Detection under Non stationary Noise Environments Authors: P.Kathirvel, S.Soumya, V K Hemanth, M Sabarimalai Manikandan and K P Soman Name of the Conference: IEEE International Conference on Computational Intelligence & Computing Research Duration of the Conference: 15th-18th	

			December 2011 Name of the Organizer: Conference Venue: Cape Institute of Technology Kanyakumari Page No: Proceedings Published By:	
		9	Title of the Paper: Tamil to Hindi Machine Transliteration using Support Vector Machines Authors: Keerthana S,Dhanalakshmi V,Anand kumar M,Ajith V P ,Soman K P Name of the Conference: International Joint Conference on Advances in Signal Processing and information Technology SPIT 2011 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		10	Title of the Paper: A Level Set Methodology for Sanskrit Document Binarization and Character Segmentation Authors: Poornima S V ,Premjith B, Vidya M , Soman K P Name of the Conference: Second International Conference on Control, Communication and Computer Technology Duration of the Conference: Nov 2011 Name of the Organizer: Conference Venue: Interscience Research Network, Bengaluru Page No: Proceedings Published By:	
		11	Title of the Paper: A Decision Tree Based Land Cover Image Classification using Color Space and Texture Authors: V Sowmya, M Sabarimalai Manikandan, K P Soman Name of the Conference: IEEE International Conference on Computational Intelligence and Computing Research Duration of the Conference: Dec 2011 Name of the Organizer: Conference Venue: Cape Institute of Technology, Kanyakumari Page No: Proceedings Published By: (This paper was awarded a cash prize of Rs.5000/- for the best presentation)	
		12	Title of the Paper: A Novel Compressive Sensing based Methodology for Detection and Localization of Transient Signals Authors: S Jansi Rani,M Sabarimalai	

			Manikandan,V Sowmya and K P Soman Name of the Conference: IEEE International Conference on Computational Intelligence & Computing Research Duration of the Conference: December, 2011 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		13	Title of the Paper: Automated Cardiac Event Change Detection for Continuous Remote Patient Monitoring Devices Authors: Britty Baby,M Sarimalai Manikandan,K P Soman Name of the Conference: International Conference on Wireless Technology for Humanitarian Relief (ACWR) Duration of the Conference: Dec 2011 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		14	Title of the Paper: Model-Based Composition Control of Binary Batch Distillation Column Authors: Mukthinuthalapati, V., Sridaran, M., Soundararajan, J., Sharmila, S. R., and Murali Rangarajan Name of the Conference: COSMA 2011 Second International conference on Simulation, Modeling and Analysis Duration of the Conference: December 14 - 16, 2011. Name of the Organizer: Amrita Vishwa Vidyapeetham, Coimbatore Conference Venue: Page No: Proceedings Published By:	
		15	Title of the Paper: Actin-based Motility Propelled by Molecular Motors Authors: Upadyayula, S., and Murali Rangarajan Name of the Conference: International Conference on Advanced Nanomaterials and Nanotechnology (ICANN-2011) Duration of the Conference: December 8 - 10, 2011. Name of the Organizer: Conference Venue: IIT Guwahati Page No: Proceedings Published By:	
		16	Title of the Paper: Influence of Superplasticizers on the Hydration and Microstructure of cement	

			paste Authors: C. Jayasree and Ravindra Gettu Name of the Conference: International Conference on Advances in Materials and Techniques for Infrastructure Development Duration of the Conference: 28-30 September 2011 Name of the Organizer: Conference Venue: NIT Calicut Page No: Proceedings Published By:	
		17	Title of the Paper: Influence of Superplasticizers on the Hydration and Microstructure of cement paste. Authors: C. Jayasree and Ravindra Gettu Name of the Conference: International Conference on Advances in Materials and Techniques for Infrastructure Development, Duration of the Conference: 28-30 September 2011. Conference Venue: NIT Calicut,	
		18	Title of the Paper: 3D Reconstruction Of Human Retina From a Single Fundus Image Author: Hema P Menon, K. A. Narayanankutty , Jini Cheriyan, Name of the Conference: International Conference on Image Processing, Computer Vision and Pattern Recognition Volume: 1,Month and Year of Publication: July 2011	
		19	Title of the Paper: Ivano Malavolta Henry Muccini Supporting Architectural Design Decisions Evolution through Model Driven Engineering Author: Ms.V.Smrithirekha Name of the Conference: 3rd International Workshop on Software Engineering for Resilient Systems, Geneva, Switzerland Month and Year of Publication: September 29-30, 2011	
		20	Title of the Paper: Recurrence plot and recurrence quantification analysis as a tool for determining determinism in time series data: an empirical study on Indian stock data. Author: P. Bagavathi Sivakumar, Assistant Professor (S.G), Department of Computer Science & Engineering and Dr. V.P. Mohandas, Chairman/ECE. Name of the Conference: 4th International symposium on Recurrence Plots at the Hong Kong Polytechnic University, Hong Kong. Month and Year of Publication: December 5-7, 2011	
		21	Title of the Paper: Henry Muccini Managing Evolving Design Decisions Grace Hopper Celebration of Women in Computing India.	

			Author: Smrithi Rekha V Name of the Conference: Grace Hopper Celebration of Women in Computing India. Month and Year of Publication: 2011; 15.12.2011	
		22	Title of the Paper: “Centralized control station for smart grid test bed based on windows embedded XP2007 and EBOX 4861s”, Author: Dr.N.Radhika and Nithin Somasundaram Name of the Conference: International conference on wireless technologies for Humanitarian relief Month and Year of Publication: December 19th – December 21st 2011 at Amrita Vishwa Vidyapeetham, Amritapuri (Scopus Indexed).	
		23	Title of the Paper: “QoS based Performance Analysis of VoWLAN for Emergency Calls using QualNet” Author: Dr.N.Radhika, Chitra, Anjeetha and Anoop Name of the Conference: International conference on wireless technologies for Humanitarian relief Month and Year of Publication: December 19th – December 21st 2011 at Amrita Vishwa Vidyapeetham, Amritapuri.(Scopus Indexed)	
		24	Title of the Paper: “ Smart Grid test bed based on GSM”, Author: Dr.N.Radhika and Nithin Somasundaram Name of the Conference: International conference on communication Technology and system Design (ICCTSD 2011) Amrita Vishwa Vidyapeetham, Ettimadai (Elsevier publications). Month and Year of Publication: 2011.	
		25	Title of the paper: Reducing the Number of Context Switches in Real Time Systems Authors: Arya Paul, Anju S Pillai Name of the conference: International Conference of Process Automation, Control and Computing Duration of conference: July 2011 Conference Venue: Coimbatore Institute of Technology, Coimbatore	
		26	Title of the paper: Reduction of Context Switches due to Task Synchronization in Uniprocessor and Multiprocessor Platforms Authors: Arya Paul, Anju S Pillai Name of the conference: Conference on Computer Science and Information Technology Duration of conference: July 2011 Conference Venue: Bangalore	

		27	Title of the paper: Dynamic Voltage Scaling for Power Consumption Reduction in Real-Time Mixed Task Model Authors: Arya Lekshmi Mohan, Anju S Pillai Name of the conference: International Conference on Computer Science Engineering and Applications Duration of conference: July 2011 Conference Venue: Chennai	
		28	Title of the paper: Dynamic Voltage Scaling with Reduced Frequency Switching and Preemptions Authors: Arya Lekshmi Mohan, Anju S Pillai Name of the conference: International Conference on Computer Science and Information Technology Duration of conference: July 2011 Conference Venue: Bangalore	
		29	Title of the paper: Harmonic Current Estimation using Blind Signal Processing Techniques Authors: Supriya. P, T.N.Padmanabhan Nambiar Name of the conference: IEEE Conference on Signal Processing Duration of conference: 21 to 22 July,2011 Conference Venue: Kanyakumari	
		30	Title of the paper: Smart Grid test bed based on GSM Authors: Nithin.S, N Radhika N, V Vanitha Name of the conference: International Conference on Communication Technology and System Design Duration of conference: December 2011 Conference Venue: Amrita school of engineering, Coimbatore Volume 30, 2012 Pages 258–265	
		31	Title of the paper: Centralized control strategy for Smart Grid test bed based on Zigbee and Windows XP Embedded and Ebox Authors: Nithin Somasundaran , Radhika N Name of the conference: Proceedings of International Conference on wireless Technologies For Humanitarian Relief Duration of conference: Dec 2011 Conference Venue: Amrita school of engineering, Kollam	
		32	Title of the paper: Detection of Power Quality Disturbances with Overcomplete Dictionary and L1-norm Minimization Authors:M. Sabarimalai Manikandan, P. Maya, P. Kathirvel, K. P. Soman Name of the conference: International Conference on Power and Energy Systems ICPS2011	

			Duration of conference: 22 to 24 December 2011 Conference Venue: Chennai	
		33	Title of the Paper: Data Transfer using Wi-Fi methods, security and applications Authors: Deepika P. and Varun Darbari (students) Name of the Conference: International Conference on Advances in Computer and Communication Technology, organized by IETE Duration of the Conference: 17 and 18 February, 2012 Name of the Organizer: Conference Venue: Mumbai Page No: Proceedings Published By:	
		34	Title of the Paper: A Survey of different stages for monitoring traffic rule violation Authors: R. Aarthi, C. Arunkumar and S. Padmavathy Name of the Conference: 4th International Conference on Recent trends in Computing, Communication and Information Technologies Duration of the Conference: 9 to 11 December, 2011 Name of the Organizer: Conference Venue: Vellore Institute of Technology University, Vellore Page No: Proceedings Published By:	
		35	Title of the Paper: RFID for Supply Chain Management Authors: Prashant R.Nair Name of the Conference: 2nd International Conference on Simulation, Modelling and Analysis Duration of the Conference: 14 to 16 December, 2011 Name of the Organizer: Conference Venue: NIT Calicut and Amrita University at Amrita University, Coimbatore Page No: Proceedings Published By:	
		36	Title of the Paper: Decision Support Systems for Efficient Supply Chain Management Authors: Prashant R.Nair Name of the Conference: 2nd International Conference on Simulation, Modelling and Analysis Duration of the Conference: 14 to 16 December, 2011 Name of the Organizer: NIT Calicut and Amrita University at Amrita University, Coimbatore	

			Conference Venue: Page No:	
			Proceedings Published By:	
		37	Title of the Paper: A Hybrid Approach to Content Based Image Retrieval Using Visual Features and Textual Queries Authors: K. Raghesh Krishnan, R. Sudhakar and S. Muthukrishnan Name of the Conference: International Conference on Advanced Computing (ICoAC 2011) Duration of the Conference: 6 to 8 December, 2011 Name of the Organizer: Conference Venue: Madras Institute of Technology, Anna University Page No: Proceedings Published By:	
		38	Title of the Paper: Automatic Isolation and Classification of Vehicles in a Traffic video Authors: R. Aarthi, K Raghesh Krishnan and C Arunkumar Name of the Conference: World Congress on Information and Communication Technologies (WICT 2011), Duration of the Conference: 12 to 14 December, 2011 Name of the Organizer: Conference Venue: Mumbai, Page No: Proceedings Published By:	
		39	Title of the Paper: Near Field Communication in Android Authors: Kiruthika Aarthi (III B.Tech CSE E batch) Name of the Conference: Grace Hopper Conference 2011 on Women in Computing, Bangalore Duration of the Conference: 14 to 16 Dec 2011 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		40	Title of the Paper: Non Parametric Regression Curve Estimation Using Generalized Coiflets Authors: Mr. T. Palanisamy and Dr. J. Ravichandran Name of the Conference: International Conference on Recent Advances in Mathematical Sciences and Applications (ICRAMSA-2011),	

			Duration of the Conference: Name of the Organizer: Conference Venue: Calcutta Mathematical Society, Kolkata Page No: Proceedings Published By:	
		41	Title of the Paper: Exploring cluster based 3D Routing Algorithms for the Topologies of 3D NoC Authors: Dr. K. Somasundaram, Mr. N. Viswanathan, and Mr. K. Paramasivam Name of the Conference: International Conference on Computational Engineering, Practices and Techniques, Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		42	Title of the Paper: Exploring hierarchical, cluster based 3D Topologies for 3D NoC Authors: Dr. K. Somasundaram, Mr. N. Viswanathan and Mr. K. Paramasivam Name of the Conference: International Conference on Communication Technology and System Design Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		43	Title of the Paper: Multivariate non-quadratic public key schemes Authors: Mr. M. Sivasankar Name of the Conference: International conference on Algebra and its Applications Duration of the Conference: Name of the Organizer: Conference Venue: Periyar Maniammai University, Thanjavur. Page No: Proceedings Published By:	
		44	Title of the Paper: On the strictness of a bound for the diameter of Cayley graphs generated by transpositions trees Authors: Mr. Ashwin Ganesan Name of the Conference: International Conference on Mathematical Modelling & Scientific Computation Duration of the Conference: Name of the Organizer: Conference Venue: Gandhigram Rural Institute,	

			Page No:	
			Proceedings Published By:	
		45	Title of the Paper: Clause Boundary Identification for Tamil Language using Dependency Parsing Authors: Keerthana S., Dhalakshmi V., Anand kumar M., Ajith V.P.,Soman K.P Name of the Conference: International Joint Conference on Advances in Signal Processing and Information Technology, SPIT 2011 Duration of the Conference: Name of the Organizer: Conference Venue: Page No:	
			Proceedings Published By:	
		46	Title of the Paper: An Effective preprocessing algorithm for detecting noisy spectral bands in hyperspectral imagery Authors: D.Bharath Bhushan, V.Sowmya, M.Sabarimalai Manikandan, K.P.Soman Name of the Conference: IEEE International symposium on Ocean electronics Duration of the Conference: 2011 Name of the Organizer: Conference Venue: CUSAT, Cochin Page No:	
			Proceedings Published By:	
		47	Title of the Paper: Microfibrillar Composites from Polymer Blends Authors: K.Jayanarayanan ,Kuruville Joseph and Sabu Thomas Name of the Conference: First International Conference on Composites and Nanocomposites (ICNC 2011) organized by Center for Nanoscience and Nanotechnology Duration of the Conference: January 7-9,2011 Name of the Organizer: Conference Venue: Mahatma Gandhi University,Kottayam Page No:	
			Proceedings Published By:	
		48	Title of the Paper: Effect of Compatibilizer on the Morphology and Mechanical Properties of Novel Polymer - Polymer Composites from LDPE and PET Authors: K. Jayanarayanan, Sabu Thomas and Kuruville Joseph Name of the Conference: International Conference on Materials for Future (ICMF 2011) Duration of the Conference: February 23-25, 2011	

			Name of the Organizer: Govt.Engg. College,Trichur Conference Venue: Page No: Proceedings Published By:	
		49	Title of the Paper: Microfibrillar Composites from Polymer Blends Authors: K.Jayanarayanan, Sabu Thomas and Kuruvilla Joseph Name of the Conference: First International Conference on Composites and Nanocomposites (ICNC 2011) organized by Center for Nanoscience and Nanotechnology Duration of the Conference: January 7-9,2011 Conference Venue: Mahatma Gandhi University, Kottayam	
		50	Title of the Paper: Six Sigma – concepts and applications for chemical engineering Name of the Conference: International Conference on Recent Advances in Chemical Engineering & Technology Duration of the Conference: 10-12 March ,2011 Name of the Organizer: IICHE Conference Venue: IICHe , Kochi Center	
		51	Title of the Paper: Towards Predicting Heat Transfer to Immiscible Liquid Mixtures Authors: Sathiyar, S., Rangarajan, M., Kothurakar, N., and Ramachandran, S. Name of the Conference: CHEMCON 2011, MS Ramiah Institute, Bangalore Duration of the Conference: December 27-29, 2011 Conference Venue: MS Ramiah Institute, Bangalore	
		52	Title of the Paper: Thermal Effectiveness and Transfer Coefficients in Spiral Heat Exchangers for Liquid-Liquid Mixtures Authors: Sathiyar, S., Rangarajan, M., and Ramachandran, S. Name of the Conference: CHEMCON 2011 Duration of the Conference: December 27-29, 2011 Conference Venue: MS Ramiah Institute, Bangalore	
		53	Title of the Paper: “2D Atlas and Coronary Detection of Human heart for Educational Purposes” Authors : T.Senthilkumar: Presented a paper titled , at the on at Name of the Conference: International Conference on Emerging Trends in Electrical and Computer Technology” Duration of the Conference: Mar 23, 2011 Name of the Organizer: organized by IEEE. Conference Venue: St.Xavier’s Catholic College	

			of Engineering, Kanyakumari Page No: 876-881 Proceedings Published By: IEEE Xplore	
		54	Title of the Paper: 3D Reconstruction Of Facial Structures From 2D Images For Cosmetic Surgery Authors: Dr T Senthil Kumar, Rakesh P.B. Name of the Conference: Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		55	Title of the Paper: A Novel approach for Multiple arbitrary Fault diagnosis in Combinational circuits Authors: ReejaRaju,J.P.Anita and P.T.Vanathi Name of the Conference: Proc. IEEE sponsored International conference on Process Automation Control and Computing Duration of the Conference: July'11 Name of the Organizer: Conference Venue: Page No: Proceedings Published By: (indexed in IEEE Xplore)	
		56	Title of the Paper: Designing and modeling of CMOS LNA using a composite MOSFET model working at Millimeter-wave band Authors: Adhira Raj and KarthighaBalamurugan Name of the Conference: International conference on Advances in Information technology and mobile Communication(AIM – 2011, Nagpur) Duration of the Conference: 21st -22 of April 2011 Name of the Organizer: the Association of Computer Electronics and Electrical Engineers(ACEEE)- a division of IDEAS Conference Venue: Page No: 297-300 Proceedings Published By: Springer LNCS-CCIS and available in Springer digital library, (LNCS-CCIS 147)	
		57	Title of the Paper: Analysis of Adaptive Algorithms for Digital beam Forming in Smart Antennas Authors: Anurag Shivam Prasad, Sandeep Vasudevan, R.Selvalakshmi, K.Sreeram, G.Subhashini, S.Sujitha and Sabarish Narayanan B Name of the Conference: International Conference on Recent Trends in Information	

			Technology (ICRTIT 2011) Duration of the Conference: June 3-5, 2011 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		58	Title of the Paper: Automated Control of Real Power Flow through Transmission Line Using TSSC and PIC Micro-Controller Authors: Mr. Amith Anand S., Ms. Lekshmi R.R Name of the Conference: International Conference on Enhancements in Power Electronics and Controls Duration of the Conference: Name of the Organizer: Conference Venue: PSG College of Technology Page No: Proceedings Published By:	
		59	Title of the Paper: "From Delhi to Halifax and Beyond: The Journey of The Immigrant" Authors: Harini Jayaraman and M.G.Priya Name of the Conference: "Literary/Linguistic Responses to Contemporary Socio-Cultural and Paradigm Shifts in India and Canada: A Comparative Study" Duration of the Conference: 3 Days Name of the Organizer: Bharathidasan University Conference Venue: University Department, Tiruchirappally Page No: 31 Proceedings Published By: The Centre for Canadian Studies, Bharathidasan University, Tiruchirappalli	
		60	Title: "Use of Technology in Teaching Cross-Cultural Issues for Advanced Level Learners of English". Authors: Harini Jayaraman & M.G. Priya Duration : 2 days Organizer: Dept. of English & Foreign Languages, Alagappa University Conference Venue: University campus Page No: 8 Proceedings published by: Nitheeshpraba Pathippaham, Karaikudi	
		61	Title of the Paper: Scope for performance enhancement of CMU sphInx by parallelizing with openCL Authors: Balaji.D, Deepankumar.P, Harish S.C. and Vignesh.M Name of the Conference: International Conference on Wisdom-based Computing 2011 Duration of the Conference: 28 and 29 May 2011 Name of the Organizer: Conference Venue: Thiruvananthapuram	

			Page No:	
			Proceedings Published By:	
		62	Title of the Paper: A Hybrid approach to Content Based Image Retrieval using Visual Features and Textual Queries Authors: Raghesh Krishnan K, Dr.R.Sudhakar, Muthukrishnan S Name of the Conference: international Conference on Advanced Computing Duration of the Conference: Dec 14 2011 to Dec 16 2011 Name of the Organizer: Anna University Conference Venue: Anna University (MIT Campus) Page No: 241 – 247 Proceedings Published By: IEEE x'plore Digital Library DOI: 10.1109/ICoAC.2011.6165182	
		63	Title of the Paper: Tumor Growth in the Fractal Space-Time with Temporal Density Authors: P. Paramanathan Name of the Conference: International Conference on Logic, Information, Control & Computation Duration of the Conference: 25th -27th Feb 2011 Name of the Organizer: Conference Venue: Gandhigram Rural Institute, Gandhigram. Page No: Proceedings Published By:	
		64	Title of the Paper: Performance Analysis of Cluster Based 3D routing Algebra for the topologies of NoC Authors: K. Somasundaram, and N.Viswanathan Name of the Conference: IEEE- Recent Advances in Intelligent Computational Systems. Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		65	Title of the Paper: Finite element modeling of the cold rolling process and optimization using genetic algorithm Authors: Ajith Ramesh, Devarajan K, Prakash Marimuthu K Name of the Journal: 2nd International Conference on Simulation, Modeling and Analysis Duration of conference: 14-16S December 2011 Name of the Organizer: Amrita School of Engineering, Coimbatore, National institute of Technology, Calicut, NAFEMS - INDIA	

		66	Title of the Paper: Contact Stress - Strain and Wear Analysis of some Thermoplastics on Zerodur Glass Authors: Ajith Ramesh, Raghu V Prakash, Arun Kumar S, Dhayanidhi.N. Name of the Journal: 2nd International Conference on Simulation, Modeling and Analysis Duration of conference: 14-16 December 2011 Name of the Organizer: Amrita School of Engineering, Coimbatore, National institute of Technology, Calicut, NAFEMS - INDIA	
		67	Title of the Paper: Numerical Simulation of Material Flow during Dissimilar Friction Stir Welding Authors: R. Padmanaban, V. Balusamy, V. Ratnakishore, V. Balasubramanian Name of the Journal: 2nd International Conference on Simulation, Modeling and Analysis Duration of conference: 14-16 December 2011 Name of the Organizer: Amrita School of Engineering, Coimbatore, National institute of Technology, Calicut, NAFEMS - INDIA	
		68	Title of the Paper: Three Dimensional Mould Filling Simulation of Thin Wall Casting for Filling Rates Authors: J. Selvaraj, V. Ratna Kishore, Ganesh Babu Name of the Journal: 2nd International Conference on Simulation, Modeling and Analysis Duration of conference: 14-16 December 2011 Name of the Organizer: Amrita School of Engineering, Coimbatore, National institute of Technology, Calicut, NAFEMS - INDIA Page No: _____ Proceedings published by: _____	
		69	Title of the Paper: Experimental Investigations on Laser Weldability for different Stainless Steel Authors: Jeevanand Janardhanan, Gururaj Telsang, Thirumalini Subramaniam Name of the Journal: 2nd International Conference on Simulation, Modeling and Analysis Duration of conference: 14-16 December 2011 Name of the Organizer: Amrita School of Engineering, Coimbatore, National institute of Technology, Calicut, NAFEMS - INDIA Page No: _____ Proceedings published by: _____	
		70	Title of the Paper: Influence of Process Parameters on Wear Behavior Of Hybrid	

			Aluminum Composites Authors: N. Radhika, Subramanian R Name of the Journal: 2nd International Conference on Simulation, Modeling and Analysis Duration of conference: 14-16 December 2011 Name of the Organizer: Amrita School of Engineering, Coimbatore, National institute of Technology, Calicut, NAFEMS - INDIA	
		71	Title of the Paper: Tool wear classification using statistical features and fuzzy classifier in turning Authors: Elangovan Mahadevan, Ramachandran K.I, Sugumaran V Name of the Conference: International conference on Simulation, Modeling and Analysis Duration of the Conference: 14-16 December 2011 Name of the Organizer: Amrita School of Engineering, Coimbatore, National Institute of Technology, Calicut, NAFEM-INDIA	
		72	Title of the Paper: Research prospects in sustainable supply chain routing problems Authors: K. Ganesh, P. Sivakumar, S.P Anbudayasankar Name of the Conference: International conference on Simulation, Modeling and Analysis Duration of the Conference: 14-16 December 2011 Name of the Organizer: Amrita School of Engineering, Coimbatore, National Institute of Technology, Calicut, NAFEM-INDIA	
		73	Title of the Paper: Manufacturing Process Improvements for global Electrical and electronics products Manufacturing Organization -A case study Authors: R. Malairajan, K. Ganesh, S.P Anbudayasankar, S. Nagarajan. Name of the Conference: International conference on Simulation, Modeling and Analysis Duration of the Conference: 14-16 December 2011 Name of the Organizer: Amrita School of Engineering, Coimbatore, National Institute of Technology, Calicut, NAFEM-INDIA	
		74	Title of the Paper: Organisational Structure and Communication Design for Knowledge Management Solution Implementation Authors: K. Ganesh, S.P Anbudayasankar, S. Nagarajan	

			Name of the Conference: International conference on Simulation, Modeling and Analysis Duration of the Conference: 14-16 December 2011 Name of the Organizer: Amrita School of Engineering, Coimbatore, National Institute of Technology, Calicut, NAFEM-INDIA	
		75	Title of the Paper: An Improved Discrete PSO Algorithm for static Permutation Scheduling Problems to Minimize Makespan Authors: K. Ramesh Kumar, Chandrasekharan Rajendran, K. M Mohanasundaram Name of the Conference: International conference on Simulation, Modeling and Analysis Duration of the Conference: 14-16 December 2011 Name of the Organizer: Amrita School of Engineering, Coimbatore, National Institute of Technology, Calicut, NAFEM-INDIA	
		76	Title of the Paper: Application of Naïve Bayes and Decision Tree for Fault Classification of Monoblock Centrifugal Pump Authors: N. R Sakthivel, Sugumaran V, Binoy B Nair Name of the Conference: International conference on Simulation, Modeling and Analysis Duration of the Conference: 14-16 December 2011 Name of the Organizer: Amrita School of Engineering, Coimbatore, National Institute of Technology, Calicut, NAFEM-INDIA	
		77	Title of the Paper: Fuzzy Classification Approach to Fault Diagnosis of Monoblock Centrifugal Pump Using Histogram Features Authors: N. R Sakthivel, Sugumaran V, Binoy B Nair Name of the Conference: International conference on Simulation, Modeling and Analysis Duration of the Conference: 14-16 December 2011 Name of the Organizer: Amrita School of Engineering, Coimbatore, National Institute of Technology, Calicut, NAFEM-INDIA	
		78	Title of the Paper: Condition Monitoring of Single point Cutting Tool using Discrete Wavelet transform-Theory Vs Practice Authors: Elangovan Mahadevan, Ramachandran K.I, Sugumaran V	

			Name of the Conference: International conference on Simulation, Modeling and Analysis Duration of the Conference: 14-16 December 2011 Name of the Organizer: Amrita School of Engineering, Coimbatore, National Institute of Technology, Calicut, NAFEM-INDIA	
		79	Title of the Paper: Fault Diagnosis of Roller Bearings using Stationary Wavelet Transform- Theory vs Practice Authors: Ramachandran K.I, Sugumaran V Name of the Conference: International conference on Simulation, Modeling and Analysis Duration of the Conference: 14-16 December 2011 Name of the Organizer: Amrita School of Engineering, Coimbatore, National Institute of Technology, Calicut, NAFEM-INDIA	
		80	Title of the Paper: Assesment of Reuseability of Cutting Tools for Reuse using Machine Learning Approach Authors: J Gokulachandran, Mohandas K Name of the Conference: International conference on Simulation, Modeling and Analysis Duration of the Conference: 14-16 December 2011 Name of the Organizer: Amrita School of Engineering, Coimbatore, National Institute of Technology, Calicut, NAFEM-INDIA	
		81	Title of the Paper: wavelet domain wiener filtering for automotive engine vibration signal denoisin Authors: Neethu Suman, Babu Devasenapathi S, Ramachamndarn K. I, Kavitha Name of the Conference: International conference on Simulation, Modeling and Analysis Duration of the Conference: 14-16 December 2011 Name of the Organizer: Amrita School of Engineering, Coimbatore, National Institute of Technology, Calicut, NAFEM-INDIA	
		82	Title of the Paper: An improved Discrete PSO Algorithm (DPSOA) for static permutation flowshop scheduling problems to minimize makespan,	

			Authors: Rameshkumar K, Chandrasekharan Rajendran, and Mohanasundaram K.M. Name of the Conference: Proceedings of the 2nd International Conference on “Simulation Modeling and Analysis” COSMA 2011 Duration of the Conference: 14-16 Dec., 2011.	
		83	Title of the Paper: A study on the Machining parameters optimization of ZrB₂ +SiC Composites using Electrical Discharge Machining, Authors: Sumesh A, Dr.K.Rameshkumar, and Hanamantray Baluragi. Name of the Conference: 2nd International Conference on “Simulation Modeling and Analysis” COSMA 2011 Duration of the Conference: 14-16 Dec., 2011.	
		84	Title of the Paper: Modified Discrete Particle Swarm Optimization Algorithm (MDPSOA) for static permutation flowshop scheduling to minimize total flowtime of jobs. Authors: Dr.K.Rameshkumar, Rajendran C, Karthi R Name of the Conference: Proceedings in “Emerging Trends in Industrial Engineering” ETRIM 2011 Duration of the Conference: 2011 Name of the Organizer: NIT Calicut Page No: Proceeding’s published by:	
		85	Title of the Paper: Decision support system using artificial immune recognition system for fault classification of centrifugal pump. Authors: N.R. Sakthivel, V. Sugumaran, Binoy B. Nair and Rajkumar S.Rai Name of the Journal: Int. J. Data Analysis Techniques and Strategies Month and Year of Publication: Article in press Volume No: Article in press Page No: Article in press	
		86	Title of the Paper Spherical indentation of Nickel-thin film on Steel - 4340 substrate Authors Raghu V. Prakash, Arun Kumar. S, and Ajith Ramesh Name of the Conference Proceedings of ASME- 2011 International Mechanical Engineering Congress and Exposition: IMECE-2011 Duration of the Conference November 11-17, 2011 Name of the Organizer ASME Conference Venue Denver, Colarado, USA Proceedings Published By ASME	Scopus
		87	Title of the Paper Prediction of Roughness	

			Based on Tool Condition and Cutting Parameters using Regression Analysis Authors M. Elangovan, and K.I. Ramachandran Name of the Conference INCROME 2011 Duration of the Conference April21-22,2011 Name of the Organizer M.G.R University Conference Venue M.G.R University , Chennai	
		88	Title of the Paper Spherical indentation of Nickel-thin film on Steel - 4340 substrate Authors Raghu V. Prakash, Arun Kumar. S, and Ajith Ramesh Name of the Conference Proceedings of International Conference on Advances in Materials and Techniques for Infrastructure Development: AMTID-2011 Duration of the Conference June 22-24, 2011 Name of the Organizer National Institute of Technology, Calicut Conference Venue NIT, CALICUT, INDIA Proceedings Published By AMTID-2011	
		89	Title of the Paper Finite Element Simulation of Thermal History during Friction Stir Welding of Dissimilar Aluminum Alloys AA 6061 and AA7075 Authors R.Pdmanaban, V.Balusamy, V.Balasubramaniam, Arun.J and M.Vignesh Kumar Name of the Conference INCROME 2011 Duration of the Conference April21-22, 2011 Name of the Organizer M.G.R University Conference Venue M.G.R University , Chennai.	
		90	Title of the paper : Supercontinuum generation in ZnO waveguides containing Au nanoparticles Authors : Ms.Lakshmi Mohan, Dr. K S Sreelatha, Dr. M Sivakumar, Dr S SaravanaKumar Conference : National Conference NCNSD-2011, Thiruchirapally	
		91	Title of the paper :A study of Reentrant Smectic ordering in Hydrogen Bonded Liquid Crystal Homologous series Authors : Mr.K.Murugadass, V.N. VijyaKumar Conference : Soft Condensed matter work shop at Raman Research Institute, Bangalore	
		92	Title of the paper :Synthesis and Characterization of 5,10,15,20 meso tetra (4-aminophenyl) porphyrin functionalized graphene oxide. Authors : Dr. R Yamuna, Keerthy Dhara, S. Ramakrishnan, R. Devi, Nikhil K. Kothurkar Conference : 2nd International Conference on Advanced Nanomaterials and Nanotechnology (ICANN- 2011) organized by I.I.T., Guwahati.	
		93	Title of the paper :Azo functionalized graphene oxide: synthesis and characterization Authors : Dr. R Yamuna, Keerthy Dhara, S.	

			Ramakrishnan, R. Devi, Nikhil K. Kothurkar Conference : 2nd International Conference on Advanced Nanomaterials and Nanotechnology (ICANN- 2011) organized by I.I.T., Guwahati.	
	National Conference (Proceedings)	1.	Title of the Paper: Design of Linear Phase Filters through Optimisation[Linear Programming] Authors: Lakshmi K.,K.P.Soman Name of the Conference: National Conference On Information, Communication And Intelligent Systems (Ncicis 2011) Duration of the Conference: Name of the Organizer: Conference Venue: Page No:	
		2	Title of the Paper: Filter Design Using Sparse Signal Restoration Techniques Authors: Lakshmi K., K.P.Soman Name of the Conference: IEEE Recent Advances in Intelligent Computational Systems 2011 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		3	Title of the Paper: A level set methodology for segmentation of flouroscent microscopy DNA images Authors: Poornima S.V. and K.P.Soman Name of the Conference: National Conference on Computing and Information Processing 2011. Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		4	Title of the Paper: Noise Robust Zero- Crossing rate Computation for Audio Signal Classification Authors: P. Kathirvel, M Sabarimalai Manikandan, S Senthil kumar, K P Soman Name of the Conference: Trendz in Information Sciences and Computing 2011(TISC 2011), Duration of the Conference: Dec-2011 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		5	Title of the Paper: Sorption Characteristics of Polymer Electrolyte Membranes Authors: P. Kanakasabai Name of the Conference: CHEMCON 2011	

			Duration of the Conference: December 27-29, 2011 Name of the Organizer: Conference Venue: M S Ramaiah Institute of Technology, Bangalore Page No: 231-232. Proceedings Published By:	
		6	Title of the Paper: Actin-Based Motility of Listeria: Right-Handed Helical Trajectories Authors: Murali Rangarajan Name of the Conference: 56th DAE Solid State Physics Symposium (DAE - SSPS 2011) Duration of the Conference: , Dec 19 - 23, 2011 Name of the Organizer: Conference Venue: SRM University, Chennai Page No:	
		7	Title of the Paper: Synthesis of Multi-Walled Carbon Nanotubes using RF-CCVD Authors: Ramakrishnan, S., Johny, J. E., Baladandapani, A., Murali Rangarajan, and Nikhil Kothurkar Name of the Conference: 56th DAE Solid State Physics Symposium (DAE - SSPS 2011) Duration of the Conference: December 19 - 23, 2011 Name of the Organizer: Conference Venue: SRM University, Chennai Page No: Proceedings Published By:	
		8	Title of the Paper: Thermal Effectiveness and Transfer Coefficients for Spiral Heat Exchangers for Liquid-Liquid Mixtures Authors: Sathiyar, S., Murali Rangarajan, and Ramachandran, S Name of the Conference: CHEMCON 2011 64th Annual Session of the Indian Institute of Chemical Engineers, Duration of the Conference: Dec 27 - 29, 2011. Name of the Organizer: Conference Venue: Bangalore Page No: Proceedings Published By:	
		9	Title of the Paper: Towards Predicting Heat Transfer to Liquid-Liquid Mixtures: Modeling and Experiments Authors: Murali Rangarajan, Sathiyar, S., Nikhil Kothurkar, and Ramachandran, S Name of the Conference: CHEMCON 2011 – 64th Annual Session of the Indian Institute of Chemical Engineers Duration of the Conference: December 27 - 29, 2011 Name of the Organizer: Conference Venue: Bangalore Page No:	

			Proceedings Published By:	
		10	Title of the Paper: Design, Testing and Analysis of a Vertical Axis Wind Turbine Authors: Raju. S Ananth., Rajesh Senthil Kumar, T., Chitra Nair., Vaisakh Das., Viswanath Ravendran Name of the Conference: 5th Symposium on Applied Aerodynamics and Design of Aerospace Vehicles (SAROD 2011) Duration of the Conference: 16-18 November 2011 Name of the Organizer: Conference Venue: Bangalore. Page No: Proceedings Published By:	
		11	Title of the Paper: Design and Analysis of Micro propeller and Wing Planform for Micro flyers Authors: Rajesh Senthil Kumar, T., Ajay Karthick,C., Krithika,R., Naveen,B., Siva Suddha J.,Vimalraj,A Name of the Conference: 5th Symposium on Applied Aerodynamics and Design of Aerospace Vehicles (SAROD 2011) Duration of the Conference: 16-18 November 2011 Name of the Organizer: Conference Venue: Bangalore Page No: Proceedings Published By:	
		12	Title of the Paper: Optimizing Properties of Natural Rubber for Damping Application Using Design of Experiments Authors: Sivakumar, V., Meera Balachandran, M. R. Sreeja, K. I. Ramachandran and S. S. Bhagawan Name of the Conference: 5th National Conference on Plastic & Rubber technology (POLYCON-2011) Duration of the Conference: 25-26 April 2011 Name of the Organizer: Conference Venue: Sri Jayachamarajendra College of Engineering, Mysore, India Page No: Proceedings Published By:	
		13	Title of the Paper: A Novel Approach to spectrum sensing Authors: Aravind H, K P Soman Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing, Duration of the Conference: Feb 2011 Name of the Organizer:	

			Conference Venue: Page No:	
			Proceedings Published By:	
		14	Title of the Paper: A Simple Approach to Image Segmentation in Excel Authors: Aravind H,K P Soman Name of the Conference: National Conference on Information Communication and Intelligent Systems Duration of the Conference: Feb 2011 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		15	Title of the Paper: Synthesis of Multiwalled Carbon Nanotubes Using RF-CCVD and a Bimetallic Catalyst Name of the Conference : DAE-SSPS 2011, Department of Atomic Energy and SRM University, Chennai Author: Ramakrishnan, S., Jelmy, E. J., Kothurkar, N.,Rangarajan, M. Duration of the conference: December 19-23, 2011	
			Title of the Paper: Quantum Mechanics: Applications to Materials and Device Design Name of the Conference : State Level Symposium on Advances in Physics, Sri Parasakthi College of Women, Courtallam,March, 2011 Author: Rangarajan, M.	
		16	Title of the Paper: Hardware Trojan Detection – A survey Authors: Anamika thakir, Prabu sivaraj, Rajesh periasamy, Sharanya alagaraj, Sowjanya and Mohankumar Name of the Conference: 3rd National Conference on Recent Trends in Communication Computation and Signal Processing Duration of the Conference: March 1-2, 2011. Name of the Organizer: Conference Venue: Page No: 102 – 105, Proceedings Published By:	
		17	Title of the Paper: Data Compression Techniques: A survey,” Authors: Mohankumar, Aswathy, Manchineni Anudeep, Palaniappan, Preetham sukumar and Srivatsa Krishna Name of the Conference: 3rd National Conference on Recent Trends in Communication Computation and Signal Processing Duration of the Conference: March 1-2, 2011.	

			Name of the Organizer: Conference Venue: Page No: 106– 109 Proceedings Published By:	
		18	Title of the Paper: Design of Multilayer Microstrip Antenna for MIMO applications Authors: Jai Vigneshwar, Karthikeyan, Ramya, Tharini, Yogesh and Jayakumar Name of the Conference: 3rd National Conference on Recent Trends in Communication Computation and Signal Processing Duration of the Conference: March 1-2, 2011 Name of the Organizer: Conference Venue: Page No: 110 – 113 Proceedings Published By,	
		19	Title of the Paper: Novel approach to remote sensing Authors: Aravind, Gandhiraj, Soman Name of the Conference: of 3rd National Conference on Recent Trends in Communication Computation and Signal Processing Duration of the Conference: March 1-2, 2011. Name of the Organizer: Conference Venue: Page No: 40 – 44, Proceedings Published By:	
		20	Title of the Paper: Compact double layer microstrip patch antenna for triple frequency applications Authors: Amrutha harichandran, Ameelia roselin, Esther Florence, Richards, Alexmarin and Malathi Name of the Conference: 3rd National Conference on Recent Trends in Communication Computation and Signal Processing Duration of the Conference: March 1-2, 2011 Name of the Organizer: Conference Venue: Page No: 137 – 139 Proceedings Published By:	
		21	Title of the Paper: Optimized modelling f attenuation due to vegetation at millimetre wave frequencies Authors: Ravichandran, pavithra, Ashmita, Aghil, Sreyas and Jayakumar Name of the Conference: 3rd National Conference on Recent Trends in Communication Computation and Signal Processing Duration of the Conference: March 1-2, 2011 Name of the Organizer: Conference Venue:	

			Page No: 140 – 143	
			Proceedings Published By:	
		22	Title of the Paper: Dual band dual polarised microstrip array antenna with parasitic patch Authors: Esther Florence, Bhuwaneshwari, Amritha harichandran, Alex marin, Richards and Malathi Name of the Conference: 3rd National Conference on Recent Trends in Communication Computation and Signal Processing Duration of the Conference: March 1-2, 2011. Name of the Organizer: Conference Venue: Page No: 144 – 146 Proceedings Published By:	
		23	Title of the Paper: Secure and effective transmission in wireless sensor network using cooperative diversity and a novel AES ECC based hybrid encryption scheme, Authors: Anirudh rangasamy, Naveen manikandan, Sethu and Sundarajan Name of the Conference: 3rd National Conference on Recent Trends in Communication Computation and Signal Processing Duration of the Conference: March 1-2, 2011 Name of the Organizer: Conference Venue: Page No: 197 – 202	
		24	Title of the Paper: Algebraic equations during runtime Authors: Anand Subramanian, Arunkumar, Anand swaroop, Anandh, Ramkumar, Vinu and Kayalvizhi Name of the Conference: 3rd National Conference on Recent Trends in Communication Computation and Signal Processing Duration of the Conference: March 1-2, 2011 Name of the Organizer: Conference Venue: Page No: 222 – 226	
		25	Title of the Paper: Performance comparison of Wavelet Based Denoising Algorithms on a phoneme recognition system Authors: Ganapathy raman, preetham Samuel, Ramsrinivas, Sathyarayanan, Vignesh and Santhoshkumar Name of the Conference: of 3rd National Conference on Recent Trends in Communication Computation and Signal Processing Duration of the Conference: , March 1-2, 2011 Name of the Organizer: Conference Venue: Page No: 251 – 253	

			Proceedings Published By: Title of the Paper: SVM based fault detection in motorbike by acoustic signal processing Authors: Nair Pravin Ramachandran, Prasath kumar, Saravana Bharath, Shajeev, Santhoshkumar Name of the Conference: 3rd National Conference on Recent Trends in Communication Computation and Signal Processing Duration of the Conference: March 1-2, 2011. Name of the Organizer: Conference Venue: Page No: 258- – 261 Proceedings Published By:	
		26	Title of the Paper: Radio planning for GSM Networks- A case study Authors: Subramanian, Siddharth, Hariharan, Goutham kashyap, Leelakrishnan, Giresankar and Sabarish narayanan Name of the Conference: 3rd National Conference on Recent Trends in Communication Computation and Signal Processing Duration of the Conference: March 1-2, 2011 Name of the Organizer: Conference Venue: Page No: 332 – 335 Proceedings Published By:	
		27	Title of the Paper: Fingerprint Based Electronic Voting Machine Authors: Sajitha AS, Sumesh EP Name of the Conference: Third conference MiNDSS 2010, Muthayammal Engineering College, Rasipuram Duration of the Conference: 2010 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		28	Title of the Paper: Palmprint Authentication System Authors: J.Aravinth, A.saranya, M.Niveatha and G.Yuvaraj Name of the Conference: Third National Conference on Electrical and Instrumentation Systems Duration of the Conference: March 19, 2010 Name of the Organizer: Conference Venue: Page No: 161-165 Proceedings Published By:	
		29	Title of the Paper: Database Construction for Facial Expressions using CBIR	
		30		

			Authors: J.Aravinth,M.Abitha thangam, B.Aboorva and M.Banupriya Name of the Conference: Third National Conference on Electrical and Instrumentation Systems Duration of the Conference: March 20, 2010 Name of the Organizer: Conference Venue: Page No: 293-295 Proceedings Published By:	
		31	Title of the Paper: Data flow transformation for optimization of Digital/DSP circuits Authors: Nithyakalyani, Bala Tripura sundari and S.R.Ramesh Name of the Conference: 3rd National Conference on Recent Trends in Communication Computation and Signal Processing Duration of the Conference: March 1-2, 2011 Name of the Organizer: Conference Venue: Page No: 217 – 221 Proceedings Published By	
		32	Title of the Paper: Stock Market Prediction-A Survey Authors: K.M. Niranjana Name of the Conference: Computer Society of India (CSI) Southern Regional Conference (SRC) Duration of the Conference: 22 and 23 March, 2011 Name of the Organizer: Conference Venue: Karunya University, Coimbatore Page No: Proceedings Published By:	
		33	Title of the Paper: Performance of Color Based Face Detection Algorithm Authors: Pankaj Kumar Name of the Conference: Computer Society of India (CSI) Southern Regional Conference (SRC) Duration of the Conference: 22 and 23 March, 2011 Name of the Organizer: Conference Venue: Karunya University, Coimbatore Page No: Proceedings Published By:	
		34	Title of the Paper: SSL/TLS based VPN Authors: Abinaya.D, Neelima Menon and Dhaarini G Name of the Conference: Computer Society of	

			India (CSI) Southern Regional Conference (SRC) Duration of the Conference: 22 and 23 March, 2011 Name of the Organizer: Conference Venue: Karunya University, Coimbatore Page No: Proceedings Published By:	
		35	Title of the Paper: Analysis of Windows Registry in Memory for Forensics Authors: Athira Sudhakaran and M. Soundarya Name of the Conference: Computer Society of India (CSI) Southern Regional Conference (SRC) Duration of the Conference: 22 and 23 March, 2011 Name of the Organizer: Conference Venue: Karunya University, Coimbatore Page No: Proceedings Published By:	
		36	Title of the Paper: Various Schemes involved in the Detection of Routing Misbehaviour in MANETs Authors: Anusha Baskaran, Durga Lakshmipathy and Ganga Praveen Name of the Conference: Computer Society of India (CSI) Southern Regional Conference (SRC) Duration of the Conference: 22 and 23 March, 2011 Name of the Organizer: Conference Venue: Karunya University, Coimbatore Page No: Proceedings Published By:	
		37	Title of the Paper: Survey paper on secured socket layer/transport layer security based VPN Authors: Abinaya.D, Alagu Roobendran.K, Dhaarini.G, Jishnu Krishnakumar and Neelima G Name of the Conference: National Conference on Information Science Duration of the Conference: 29th April 2011 Name of the Organizer: Conference Venue: Manipal University Page No: Proceedings Published By:	
		38	Title of the Paper: Scheduling in cloud computing using modified ACO Authors: Dineshkumar.T, Gowthaman.K,	

			Narendrakumar and Vineeth Maddi Name of the Conference: IBM-HPC road show at Coimbatore Institute of Technology Duration of the Conference: 8th and 9th April 2011 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		39	Title of the Paper: Resource allocation in cloud Computing Authors: Balaji.M, Gokulkumar.S, Manojkumar.D, Meyyappan.S Name of the Conference: IBM-HPC road show at Coimbatore Institute of Technology Duration of the Conference: 8th and 9th April 2011 Name of the Organizer: Conference Venue: Page No:	
2010	International Journal	1.	Title of the Paper: Influence of Superplasticizers on the Non-Newtonian characteristics of cement paste Authors: C. Jayasree, J Muralikrishnan and Ravindra Gettu Name of the Journal: Materials and Structures Month and Year of Publication: Online November 2010 Volume No. Page No.	0.753
		2.	Title of the Paper: Analysis of Infilled Frames – A Study Using Artificial Neural Network Authors: K. M. Mini, K. Subramanian Name of the Journal: International Journal of Design Engineering, Inderscience Month and Year of Publication:2010 Volume No.Vol.3, No.1 Page No. 77-96.	
		3	Title of the Paper: Study of Venturi Aerator using Non-dimensional Parameters Authors: K.M.Mini, N.Narayana Pillai Name of the Journal: International Journal of Environmental Science and Engineering Research Month and Year of Publication:2010 Volume No. Vol1(1), Page No. 15-22	
		4	Title of the Paper: Stochastic Meshfree Method for Elasto-Plastic Damage Analysis Authors: Arun, C. O., Rao, B. N., Srinivasan, S. M. Name of the Journal: Computer Methods in Applied Mechanics and Engineering	1.806

			Month and Year of Publication: 2010 Volume No. 199 Page No. 2590-2606	
		5	Title of the Paper: Continuum Damage Growth Analysis Using Element Free Galerkin Method Authors: Arun, C. O., Rao, B. N., Srinivasan S. M. Name of the Journal: Sadhana Month and Year of Publication: June 2010 Volume No. 35 Page No. 279-301	0.276
		6	Title of the Paper: Correlating properties of superplasticized paste, mortar and concrete Authors: C. Jayasree and Ravindra Gettu Name of the Journal: Indian Concrete Journal Month and Year of Publication: July 2010 Volume No. 84 Page No. 7-18	
		7	Title of the Paper: "Financial Market Analysis of Bombay Stock Exchange using an Agent Based Model" Authors: PN Kumar, Rahul Seshadri.G, Hariharan.A, VP Mohandas Name of the Journal: International Journal of Computer Application. Month and Year of Publication: Oct - 2010 Volume No. ISSN: Page No.	
		8	Title of the Paper: A Methodology for Aiding Investment Decision between Assets in Stock Markets Using Artificial Neural Network Authors: PN Kumar, Rahul Seshadri.G, Hariharan.A, VP Mohandas, P Balasubramanian Name of the Journal: International Journal of Computer Science Month and Year of Publication: November 2010. Volume No. ISSN:Issues (IJCSI) Volume 7, Issue 6, Page No.	0.242
		9	Title of the Paper: " An Empirical Comparative Performance Analysis of Differential Evolution, Distributed and Mixed-Variants Distributed Differential Evolution Variants" Authors: G.Jeyakumar and C.Shunmuga Velayutham Name of the Journal: International Journal of Computational Intelligence Research (IJCIR) Month and Year of Publication: 2010 Volume No. ISSN: ISSN 0973-1873, Vol. 6 Page No. 735-742	
		10	Title of the Paper: Article:Penn Treebank-Based Syntactic Parsers for South Dravidian Languages using a Machine Learning Approach Authors: Antony P J, Nandini. J Warriar and Dr.	

			Soman K P Name of the Journal: International Journal of Computer Applications Month and Year of Publication: October 2010 Volume No. 7(8): Page No. 14–21	
		11	Title of the Paper: Error Linear Complexity Measures of Binary Multisequences Authors: M. Sindhu, Sajan Kumar.S and M. Sethumadhavan Name of the Journal: Cyber Security, Cyber Crime and Cyber Forensics: Applications and Perspectives Month and Year of Publication: 2010. Volume No. Page No. 240-249	
		12	Title of the Paper: Performance Comparison of Fractional Frequency Reuse Techniques for Inter-Cell Interference Avoidance in OFDMA Systems Authors: S.Kirthiga and M.Jayakumar Name of the Journal: International Journal of Advances in Communication Engineering Month and Year of Publication: Jul-Dec 2010 Volume No. vol. 2, No. 2 ISSN: 0975-6094 Page No	
		13	Title of the Paper: An Adaptive Power Allocation Scheme For Robust Transmission Of Jpeg Compressed Images Over Mimo-Ofdm Systems Authors: R. Deepa, K. Baskaran Name of the Journal: International Journal of Engineering Science and Technology Month and Year of Publication: 2010 Volume No. Vol. 2(7) Page No. 3120-3127	
		14	Title of the Paper: MIMO Based Jpeg Image Transmission And Reception Employing Spatial Multiplexing Authors: R. Deepa, K. Baskaran Name of the Journal: International journal on futuristic computer applications (IJFCA) (A special Issue of ICFCA 2010) Month and Year of Publication: Volume No. Page No.	
		15	Title of the Paper: An Improved Denoising Algorithm Using Parametric Multiwavelet for Image Enhancement Authors: VidhyaLavanya R., Madheswaran M Name of the Journal: International Journal of Advanced Science and Technology Month and Year of Publication: March 2010 Volume No. Vol. 16 Page No.	

		16	Title of the Paper: Fault detection in Induction motor using WPT and Multiple SVM Authors: AravindhKumar.B, Saranya G, Selvakumar R, Swetha Shree R, Saranya M, Sumesh.E.P Name of the Journal: International Journal of Control and Automation Month and Year of Publication: June, 2010 Volume No. Vol. 3, No. 2, Page No. 9-20.	
		17	Title of the Paper: Multi-Stage, Multi-Resolution Method for Automatic Characterization of Epileptic Spikes in EEG Authors: Ganesan.M, Sumesh.E.P, Vidhyalavanya.R Name of the Journal: International Journal of Signal Processing, Image Processing and Pattern Recognition Month and Year of Publication: June, 2010 Volume No. Vol. 3, No. 2 Page No. 33-40	
		18	Title of the Paper: "The Paranormal Vs Powerless: An Analysis of the Euripidean World of Naturals and Supernaturals with reference to his Plays Alcestis and Hippolytus Authors: Dr.R.Shanthakumari& K.A.Krishnalalitha Name of the Journal: MS Academic (an international multi-disciplinary, refereed journal) Month and Year of Publication: Nov.2010 Volume No. 1 Page No. 5-12	
		19	Title of the poem-Dream Authors: Sreena. K. Name of the Journal: Published a poem in Labyrinth: The Biannual Literary Journal of Postmodernism ,Month and Year of Publication: Volume No: Vol.1/No.2 Page No: Sept. 2010.	
		20	Title of the Paper: MVNNS Srikanth and Sreevathsan R, "Network Intrusion detection system based on machine learning algorithms Authors: Vipin Das, Vijaya Pathak, Gireesh Kumar T, Sattvik Sharma Name of the Journal: International Journal of Computer Science and Information Technology Month and Year of Publication: 2010 Volume No. 2(6) Page No. 138-151	
		21	Title of the Paper: Commuting Regular Γ-Semiring Authors: R. Arul Doss and S. Krishnamoorthy Name of the Journal: International Journal of	

			Mathematical and Statistical Sciences Month and Year of Publication: June 2010 Volume No. Vol.2 No.4 Page No. 151-153	
		22	Title of the Paper: A review of preliminary test-based statistical methods for the benefit of Six Sigma quality practitioners Authors: Dr. J. Ravichandran Name of the Journal: International Journal Springer Month and Year of Publication: September 2010 Volume No. Page No.	0.595
		23	Title of the Paper: Commuting Regular - Semirings Authors: R. Arul Doss and S.Krishnamoorthy Name of the Journal: International Journal of Computational and Mathematical Sciences Month and Year of Publication: 2010 Aug Volume No. Vol. 4, No. VIII Page No. 376-378	
		24	Title of the Paper: Homomorphisms of Inverse Γ -Semirings Authors: R. Arul Doss and S. Krishnamoorthy Name of the Journal: International Journal of Physical Sciences Month and Year of Publication: 2010 Volume No. Vol.22(3)M Page No. 822-826	0.05
		25	Title of the Paper: Analytical Model for Chip Area and Power Consumption of 3D NoC Authors: Dr. K. Somasundaram, N. Viswanathan, and Dr. K. Paramasivam Name of the Journal: National Journal, MES Journal of Technology and Management Month and Year of Publication: November 2010 Volume No. Vo.1 No.2 Page No. pp162-166	
		26	Title of the Paper: Kernels and Grundy Functions of Hypergraphs Authors: Kumar Abhishek and Germina K.A, Name of the Journal: South East Asian Journal of Mathematics and Mathematical Sciences (SEAJMMSc.), Month and Year of Publication: 2010 Volume No. Vol.9, No.1 Page No.	
		27	Title of the Paper: Studies on Bayes classifier for condition monitoring of single point carbide tipped tool based on statistical and histogram features, Expert Systems with Applications Authors: M. Elangovan, K.I. Ramachandran, V. Sugumaran Name of the Journal: Month and Year of Publication: 15 March 2010	2.9

			Volume No. 37, Issue 3 Page No. 2059-2065	
		28	Title of the Paper: Generalized Dimensional Analysis - A Simplification Authors: N. Narayana Pillai and K.I. Ramachandran Name of the Journal: International Journal of Applied Engineering Research Month and Year of Publication: 2010 Volume No. 5 Number 16 Page No. 2763–2774	
		29	Title of the Paper: Robust Heart Sound Activity Detection in Noisy Environments Authors: M. Sabarimalai Manikandan and K P Soman Name of the Journal: Electronics Letters Month and Year of Publication: 5th August 2010 Volume No. Vol. 46 (16 Page No.	1.159
		30	Title of the Paper: Fault diagnosis of spur bevel gear box using artificial neural network (ANN), and proximal support vector machine (PSVM) Authors: N. Saravanan, V.N.S. Kumar Siddabattuni, K.I. Ramachandran Name of the Journal: Applied Soft Computing Month and Year of Publication: January 2010 Volume No. 10, Issue 1 Page No. 344-360	2.415
		31	Title of the Paper: Incipient gear box fault diagnosis using discrete wavelet transform (DWT) for feature extraction and classification using artificial neural network (ANN) Authors: N. Saravanan, K.I. Ramachandran Name of the Journal: Expert Systems with Applications Month and Year of Publication: June 2010 Volume No. 37, Issue 6 Page No. 4168-4181	2.415
		32	Title of the Paper: Misfire identification in a four-stroke four-cylinder petrol engine using decision tree Authors: S. Babu Devasenapati, V. Sugumaran, K.I. Ramachandran Name of the Journal: Expert Systems with Applications Month and Year of Publication: 15 March 2010 Volume No. 37, Issue 3 Page No. 2150-2160	2.59
		33	Title of the Paper: Misfire Detection in a Spark Ignition Engine using Support Vector Machines Authors: Babu Devasenapati, S. Ramachandran, K.I. and Sugumaran, V	0.835

			Name of the Journal: International Journal of Computer Applications Month and Year of Publication: August 2010 Volume No. 5– No.6 Page No. 25-29.	
		34	Title of the Paper: Paradigm Based Morphological Analyzer for Kannada Language Using Machine Learning Approach Authors: Antony P J, Anand Kumar M and Soman K P Name of the Journal: International journal on-Advances in Computer Science and Technology (ACST) Month and Year of Publication: 2010, Volume No. Vol 3 No. 4, ISSN 0973-6107 Page No. 457–481	
		35	Title of the Paper: A Simple Approach to Clustering in Excel Authors: Aravind H, C Rajagopal, Soman KP Name of the Journal: International Journal of Computer Applications Month and Year of Publication: December 201 Volume No. 11(7) Page No. 19-25	0.835
		36	Title of the Paper: Penn Treebank-Based Syntactic Parsers for South Dravidian Languages using a Machine Learning Approach Authors: Antony P J, Nandini. J. Warriar and Soman K P Name of the Journal: International journal on Computer Application (IJCA), Month and Year of Publication: 2010 Volume No. 08 Page No.	0.835
		37	Title of the Paper: A Novel Approach for English to South Dravidian Language Statistical Machine Translation System Authors: Unnikrishnan P, Antony P J and Soman K P Name of the Journal: International Journal on Computer Science and Engineering (IJCSE) Month and Year of Publication: Volume No. Vol. 02, No. 08 Page No.	
		38	Title of the Paper: A Novel Data Driven Algorithm for Tamil Morphological Generator Authors: Anand Kumar M., Dhanalakshmi V., Rekha R. U., Soman K. P and Rajendran S Name of the Journal: International Journal of Computer Applications(IJCA) - Foundation of Computer Science Month and Year of Publication: Volume No. 6(12) Page No. 52,56	0.835
		39	Title of the Paper: A Sequence Labeling	

			Approach to Morphological. Analyzer for Tamil Language Authors: Anand Kumar M., Dhanalakshmi V., Soman K. P. and Rajendran S. Name of the Journal: International Journal on Computer Science and Engineering (IJCSE), Month and Year of Publication: Volume No. Vol. 02, No. 06 Page No. 2201-2208	
		40	Title of the Paper: A Natural Language Processing Tools for Tamil Grammar Learning and Teaching Authors: Dhanalakshmi V., Anand Kumar M., Soman K. P. and Rajendran S Name of the Journal: International Journal of Computer Applications(IJCA) Foundation of Computer Science Month and Year of Publication: Volume No. Page No.	0.835
		41	Title of the Paper: Multi-User Spectrum Sensing Based on Multitaper Method for Cognitive Environments Authors: R. Gandhiraj, Silpa. S. Prasad, K. P. Soman Name of the Journal: International Journal of Computer Applications - Foundation of Computer Science Month and Year of Publication: July 2010 Volume No. Page No.	0.835
		42	Title of the Paper: A Novel Methodology for Linear Phase IIR Filters Authors: R. Ramanathan, K. P. Soman Name of the Journal: ACEEE International Journal on Communication Month and Year of Publication: Jan 2010 Volume No. , Vol. 1, No. 1 Page No.	
		43	Title of the Paper: Insilico Analysis Of Pac-1 As An Enhancer For Caspase-3 To Promote Apoptosis Authors: Mala S Kumar, Dhanya Purushothaman, Varun Gopal .K, Premkumar. P, Deepa Gopakumar, Krishnan Namboori P.K, Name of the Journal: International journal of Biotechnology and Biochemistry Month and Year of Publication: 2010 Volume No. volume 6, number 4 Page No. 595-600	
			Title of the Paper: Designing A Drug Additive Against Antibiotic Resistant Gram-Positive Bacteria Authors: Aghila V, Lainu K.L, Arun Mohan, K.U Radhagayathri, Varun Gopal.K, Krishnan Namboori P.K, Deepa Gopakumar	

			Name of the Journal: International journal of Biotechnology and Bioengineering Research Month and Year of Publication: 2010 Volume No. volume 1, number 1 Page No. 53-60	
		44	Title of the Paper: Designing A Promotor For A Novel Target Site Identified In Caspases For Initiating Apoptosis In Cancer Cells Authors: Mala.S.Kumar, Lainu K.L, Aghila V, Dhanya Purushothaman, Krishnan Namboori P.K, Varun Gopal.K, Vrinda Harishankar, Name of the Journal: CCIS ICT 2010, Springer LNCS Month and Year of Publication: Volume No. 101, Part 3 Page No. 62–67	0.296
		45	Title of the Paper: Homology Modeling And Protein Ligand Interaction To Identify Potential Inhibitor For E1 Protein Of Chikungunya Authors: C.S. Vasavi, Saptharshi, R. Radhika Devi, Lakshmi Anand, Megha. P. Varma, P.K. Krishnan Namboori Name of the Journal: CCIS ICT 2010, Springer LNCS Month and Year of Publication: Volume No. 101, Part 3 Page No. 510–513	0.296
		46	Title of the Paper: Designing a drug additive against antibiotic resistant gram positive bacteria.”, Authors: V.Aghila,K.L. Lainu,Arun Mohan,K.U.Radha gayathri,K.Varun Gopal,P.K.Krishnan Namboori,Deepa Gopakumar Name of the Journal: International Journal of Biotechnology and Bioengineering Research, Month and Year of Publication: 2010 Volume No. 1 Number 1 Page No. 53-61	
		47	Title of the Paper: Insilico Analysis of Nano Polyamidoamine (PAMAM) Dendrimers for Cancer Drug Delivery Authors: Radhika R.,Rohith V.,Anil kumar N.C.,Varun Gopal K.,Krishnan Namboori P.K.,Deepak O.M Name of the Journal: Int. J. of Recent Trends in Engineering and Technology Month and Year of Publication: Nov 2010. Volume No. 4, No.1 Page No.	
		48	Title of the Paper: Designing a Promoter for a novel Target site identified in Caspases for Initiating Apoptosis in Cancer cells. Authors: Mala S Kumar,K.L.Lainu,V.Aghila,Dhanya	

			Purushothaman,K.Varun Gopal,P.K.Krishnan Namboori,Vrinda Harishankar Name of the Journal: ICT 2010,CCIS 101 Month and Year of Publication: 2010 Volume No. Springer-Verlag Berlin Heidelberg 2010. Page No. 62-67	
		49	Title of the Paper: Insilico Analysis of PAC-1 as an enhancer for Caspace-3 to Promote Apoptosis Authors: Mala S Kumar,Dhanya Purushothaman,K.Varun Gopal,P.Premkumar,Deepa Gopakumar,P.K.Krishnan Namboori Name of the Journal: International journal of biotechnology and biochemistry Month and Year of Publication: 2010 Volume No. Volume 6 Number 4 ISSN 0973- 2691 Page No. 595-600.	
		50	Title of the Paper: Translocation dynamics of ions through bionanopores-A computational analysis Authors: Bharath Parimalam,Radhika devi R.,Varun gopal K.,Krishnan Namboori P.K.,Deepak O.M Name of the Journal: Int. J. of Recent Trends in Engineering and Technology Month and Year of Publication: Nov 2010 ,ACEEE 2010 Volume No. 4,No.1 Page No.	
		51	Title of the Paper: An Approach to handle Idioms and Phrasal Verbs in English-Tamil Machine Translation System Authors: Thirumeni P G,Anand Kumar M,Dhanalakshmi V,K P Soman Name of the Journal: International Journal of Computer Applications (0975-8887) Month and Year of Publication: July 2011. Volume No. 26-No.10 Page No.	
		52	Title of the Paper: A Sequence Labeling Approach to Morphological Analyzer for Tamil Language Authors: M Anand Kumar Name of the Journal: Month and Year of Publication: Volume No. Page No.	
		53	Title of the Paper: Bactericidal effects of silver plus titanium dioxide-coated endotracheal tubes on Pseudomonas aeruginosa and Staphylococcus aureus Authors: Keiko M Tarquinio, Nikhil K Kothurkar, Dharendra Y Goswami, et al Name of the Journal: International Journal of	Impact Factor : 2.612

			Nanomedicine, Month and Year of Publication: March 2010, Volume No. 2010 :5, Page No. 177-183	
		54	Title of the Paper: In situ microfibrillar blends and composites of polypropylene and poly (ethylene terephthalate): Morphology and thermal properties, Authors: K. Jayanarayanan, Sabu Thomas, kuruvila Joseph, Name of the Journal: Journal of Polymer Research (Springer) Month and Year of Publication: January 2010, Volume No. 18 (1)	Impact Factor:0.76
		55	Title of the Paper: Fast Pyrolysis of Expandable Polystyrene Beads, Authors:P. Kannan, J.J. Biernacki, D. P. Visco Jr, Name of the Journal: AICHE Journal, Month and Year of Publication: June 2010, Volume No. 56 (6), Page No. 1569-1577	Impact factor:0.55
		56	Title of the Paper: Solvent Uptake and Accelerated Solar Aging Studies of Cotton-Polypropylene Commingled Composite Systems, Authors: E Tomlal Jose, P.C.Thomas, K. Jayanarayanan and Kuruvilla Joseph, Name of the Journal: Polymers and Polymer Composites, RAPRA Technology Publications, Month and Year of Publication: 2010, Volume No. 18 (2), Page No. 103-112	Impact Factor 1.364
		57	Title of the Paper: Modeling NBR- layered silicate nanocomposites: A DoE approach, Authors: Meera Balachandran , Lisha P Stanly , R. Mulaleekrishnan and S.S. Bhagawan, Name of the Journal: Journal of Applied Polymer Science, Month and Year of Publication: July 2010, Volume No. 118 (6), Page No.3300-3310	Impact Factor :1.955
		58	Title of the Paper: Effect of sequence of nanoclay addition in TPU/PP blends: thermomechanical properties, Authors: M.Kannan et al, Name of the Journal: Journal of Materials Science. Month and Year of Publication: Feb,2010. Volume No. 45(4), Page No. 1078 – 1085	Impact factor:1.5
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		60	Title of the Paper: Bactericidal effects of silver plus titanium dioxide-coated endotracheal tubes on Pseudomonas aeruginosa and Staphylococcus aureus. Authors: Tarquinio, K.M., N.K. Kothurkar, D.Y. Goswami, R.C. Sanders, A.L. Zaritsky, and A.M. LeVine Name of the Journal: International Journal of Nanomedicine Month and Year of Publication: 2010 Volume No. 5(1) Page no: 177-183	
		61	Title of the Paper: Dynamic mechanical analysis of pineapple leaf/glass hybrid fibre reinforced polyester composites Authors: L. Uma Devi, S. S. Bhagawan, Sabu Thomas Name of the Journal: Polymer Composites Month and Year of Publication: June 2010 Volume No. 31 [6] Page No. 956-965	
		62	Title of the Paper: Preparation and characterization of nanoclay filled Polyurethane and Polypropylene (TPU/PP) blends Authors: M.Kannan, S.S. Bhagawan, Tomlal Jose, Sabu Thomas, Kuruvilla Joseph Name of the Journal: Poly Engg & Science Month and Year of Publication: Sep 2010 Volume No. 50(9) Page No. 1878-1886	
		63	Title of the Paper: Impact, Tear, and Dielectric Properties of Cotton/ Polypropylene Commingled Composites Authors: E Tomlal Jose., P.C.Thomas, K. Jayanarayanan, Jacob Mathew and Kuruvilla Joseph Name of the Journal: Journal of Reinforced Plastics and Composites Month and Year of Publication: June 2010 Volume No. , 29(12) Page No.1861-1874----	0.727
		64	Title of the Paper: Morphology and mechanical properties of normal blends and in situ microfibrillar composites from low density polyethylene and poly (ethylene terephthalate)",	1.279

			Authors: K. Jayanarayanan, R.Archana, R.Dhivya, S.Monikumar, V. Abirami, S.Thomas and K.Joseph Name of the Journal Polymer-Plastics Technology and Engineering Month and Year of Publication: April 2010 Vol. 49 (5) pp. 442- 48	
		65	Title of the Paper: Influence of Superplasticizers on the Non-Newtonian characteristics of cement Authors: C. Jayasree, J Muralikrishnan and Ravindra Gettu Name of the Journal: Materials and Structures Month and Year of Publication: Online November 2010 Volume No. Page No.	0.753
		66	Title of the Paper: Analysis of Infilled Frames – A Study Using Artificial Neural Network’ Authors: K. M. Mini, K. Subramanian Name of the Journal: International Journal of Design Engineering, Inderscience, Month and Year of Publication: Volume No. Vol.3, No.1 Page No. 77-96.	
		67	Title of the Paper: Study of Venturi Aerator using Non-dimensional Parameters’ Authors: K.M.Mini, N.Narayana Pillai Name of the Journal: International Journal of Environmental Science and Engineering Research Month and Year of Publication: Volume No :Vol1(1. Page No. 15-22	
		68	Title of the Paper: Stochastic Meshfree Method for Elasto-Plastic Damage Analysis Authors: Arun, C. O., Rao, B. N., Srinivasan, S. M. Name of the Journal: Computer Methods in Applied Mechanics and Engineering Month and Year of Publication: 2010 Volume No. 199 Page No. 2590-2606	
		69	Title of the Paper: On Material Discontinuity Treatment in Element Free Galerkin Method Authors: Arun, C. O., Rao, B. N., Srinivasan, S. M. Name of the Journal: Journal of Structural Engineering Month and Year of Publication: 2009, Volume No. 36 Page No. 182-194	
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			Applied Mechanics and Engineering Month and Year of Publication: 2010 Volume No. 199 Page No. 2590-2606	
		71	Title of the Paper: Applicability of non-rigid medical image registration using Moving Least Squares Authors: Hema P Menon and Dr. K. A. Narayanankutty Name of the Journal: International Journal of Computer Applications Month and Year of Publication: Feb 25th 2010 Volume No. number6/238-256 Page No. 238-256	
		72	Title of the Paper: Color Image Enhancement in Compressed DCT Domain Authors: Baskar.A, J. Christopher Clement, PrabuKumar.M Name of the Journal: ICGST International Journal on Graphics, Vision and Image Processing, GVIP Month and Year of Publication: February 2010 Volume No. ISSN: 1687-398X, Volume 10, Issue 1 Page No. 31-38	
		73	Title of the Paper: "A Survey of Call Market (Discrete) Agent based Artificial Stock Markets" Authors: PN Kumar, Ashutosh Jha, Gautham TK, Jitesh Mohan, Rama Subramanian AJ , VP Mohandas Name of the Journal: International Journal on Computer Science and Engineering Month and Year of Publication: 2010 Volume No. Vol. 02, No. 09 Page No. 3025-3032	SCOPUS listed
		74	Title of the Paper: "Performance Analysis of Hybrid Forecasting models with Traditional ARIMA Models - A Case Study on Financial Time Series Data" Authors: P. Bagavathi Sivakumar, Dr. V.P.Mohandas Name of the Journal: International Journal of Computer Information Systems and Industrial Management Applications (IJCISIM) Month and Year of Publication:2010 Volume No. ISSN: 2150-7988 Vol.2 Page No.187-211	
		75	Title of the Paper: "An Empirical Performance Analysis of Differential Evolution Variants on Unconstrained Global Optimization Problems" Authors: G.Jeyakumar and C.Shunmuga Velayutham Name of the Journal: International Journal of Computer Information Systems and Industrial Management Applications(IJCISIM)	Citation Index--3

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		76	Title of the Paper: “Differential Evolution and Dynamic Differential Evolution for High Dimensional Function Optimization – An Empirical Scalability Study” Authors: G.Jeyakumar and C.Shunmuga Velayutham Name of the Journal: International Journal of Computer Science and Engineering (IJCSE) Month and Year of Publication: 2010 Volume No. Vol. 02, No. 09 (Indexed in SCOPUS). Page No. 2932-2941	
		77	Title of the Paper: Complexity Measures of Cryptographically Secure Boolean Functions, Authors: C. Srinivasan, K. V. Lakshmy, and M. Sethumadhavan Name of the Journal: Cyber Security, Cyber Crime and Cyber Forensics: Applications and Perspectives Month and Year of Publication: 2010 Volume No. Page No. 220-230,	
		78	Title of the Paper: Extended Time Machine Design using Reconfigurable Computing for Efficient Recording and Retrieval of Gigabit Network Traffic Authors: Sajan Kumar S., Hari Krishna Prasad M., Suresh Raju Pilli, Name of the Journal: Cyber Security, Cyber Crime and Cyber Forensics: Applications and Perspectives Month and Year of Publication: 2010 Volume No. Page No. 168-177	
		79	Title of the Paper: Low Budget Honeynet Creation and Implementation for Nids and Nips Authors: Aathira K. S., Hiran V. Nath, Thulasi N. Kutty, Gireesh Kumar T., Name of the Journal: International Journal of Computer and Network Security Month and Year of Publication: August 2010. Volume No. 2, No. 8 Page No. 27-32,	
		80	Title of the Paper: Network Intrusion Detection System Based On Machine Learning Algorithms Authors: Vipin Das, Vijaya Pathak, Sattvik Sharma, Sreevathsan, M. V. V. N. S. Srikanth, Gireesh Kumar T Name of the Journal: International Journal of Computer Science & Information Technology (IJSIT),	

			Month and Year of Publication: December 2010 Volume No. 2, No 6 Page No.	
		81	Title of the Paper: Mobile Robot Pose Estimation Based on Particle Filters for Multi-dimensional State Spaces Authors: J. Divya Udayan,T. Gireesh Kumar, Roshy M. John,K. J. Poornaselvan,S. A. Lakshmanan Name of the Journal: Lecture Notes in Computer Science, Month and Year of Publication: 2010 Volume No. Vol. 101 Page No. 602-605	scopus Listed
		82	Title of the Paper: Self Localization and pose estimation of Mobile robot Authors: Gireesh Kumar T., Divya Udayan J., Roshy M. John, K. J. Poornaselvan Name of the Journal: International journal of Embedded System and Computer Engineering, Month and Year of Publication: 2010. Volume No. Vol.2,No.1 ISSN:0975-4482 Page No.	
		83	Title of the Paper: Fuzzy Support Vector Machine-Based Multi-agent Optimal Path Planning Approach to Robotics Environment Authors: Gireesh Kumar T., K. J. Poornaselvan, M. Sethumadhavan Name of the Journal: Defence Science Journal, Month and Year of Publication: July 2010. Volume No. 60, No. 4 Page No. 387-391	scopus Listed
		84	Title of the Paper: Payload Estimation in Universal Steganalysis Authors: Amritha P. P., Anoj Madathil Name of the Journal: Defence Science Journal Month and Year of Publication: 2010 Volume No.60, No. 4, Page No. 412-414	scopus Listed
		85	Title of the Paper: Unconditional Steganalysis of JPEG and BMP Images and Its Performance Analysis Using Support Vector Machine Authors: P. P. Amritha, Anoj Madathil, T. Gireesh Kumar Name of the Journal: Lecture Notes in Computer Science Month and Year of Publication: 2010 Volume No. 101 Page No. 638-640	scopus Listed
		86	Title of the Paper: A Novel Approach for Compressed Video Steganography Authors: A. P. Sherly, Sapna Sasidharan, Ashji S. Raj, P. P. Amritha Name of the Journal: Recent Trends in Network Security and Applications, Communications in	scopus Listed

			Computer and Information Science Month and Year of Publication: 2010 Volume No89, Part 3,. Page No. 567-575	
		87	Title of the Paper: A Compressed Video Steganography using TPVD Authors: Sherly A. P., Amritha P. P Name of the Journal: International Journal of Database Management Systems Month and Year of Publication: 2010. Volume No. 2, No.3 Page No. 67-80	
		88	Title of the Paper: Design and Implementation of an Optimized Double PRECISION Floating Point Divider on FPGA Authors: Ramesh.S.R, Shamna.K Name of the Journal: Advanced Science and Technology Month and Year of Publication: May 2010 Volume No. 18 Page No. 41-48	
		89	Title of the Paper: High Speed Low Complexity Folded, Polymorphic Wavelet Architecture Using Reconfigurable Hardware. Authors: R.Lavanya, Saranya.B Name of the Journal: IJCA (0975-8887) Month and Year of Publication: June 2010 Volume No. 2, No.8 Page No. 1-4	
		90	Title of the Paper: Fault diagnosis of digital circuits using the Optimal Neural network model Authors: J.P.Anita, P.T.Vanathi, Anumol varkey omana Name of the Journal: IJAICR 2010 Month and Year of Publication: Jan 2010 Volume No. 2 Page No. 29-33	
		91	Title of the Paper: Automatic test pattern generator using Generalized Hopfield Neural network model. Authors: J.P.Anita, P.T.Vanathi, Anumol varkey omana Name of the Journal: IJPCSC 2010 (nternational Journal of Power,Control,Signal and Computation.) Month and Year of Publication: April 2010 Volume No. 1 Page No. 139-143	
		92	Title of the Paper: VLSI Realization of Artificial Neural Networks with Improved Fault Tolerance Authors: M.Nirmala Devi, N.Mohan Kumar, Jayalakshmi Nair Name of the Journal: International Journal of	

			Computer Applications(IJCA) Month and Year of Publication: June 2010 Volume No. 2, No.9 Page No. 32-37	
		93	Title of the Paper: Hardware Implimentation of Genetic Algorithm Based Digital Colour Image Watermarking. Authors: M.Nirmala Devi, N.Mohan Kumar,S.Sreejith Name of the Journal: International Journal of Recent Trends in Engineering Month and Year of Publication: May 2010 Volume No.3, No.3 Page No. 35-39	
		94	Title of the Paper: Implementation of Lightweight QR Decomposition on FOGA Authors: K.A.Narayanan Kutty, Abin Paulose Name of the Journal: International Journal of Power Control Signal and Computation(IJCSC) Month and Year of Publication: June 2010 Volume No. 2 Page No. 124-129	
		95	Title of the Paper: Throughput Multipliers Using Delay Equalization Authors: N.Kayalvizhi, Alka Raj, Name of the Journal: International Journal of Computer Applications(0975 – 8887) Month and Year of Publication: June 2010. Volume No. 2 – No.4 Page No.	
		96	Title of the Paper: Trapezoidal Algorithm with weighted aggregation scheme for floorplanning Authors: R Sundararajan, Amrutha K P Name of the Journal: International Journal of Computer Application IJCA Month and Year of Publication: June 2010. Volume No. 2,no.8 Page No. 24-27	
		97	Title of the Paper: System Level Thermal Analysis of System-on-Programmable-Chip (SoPC) for various Heat Spreader thickness Authors: D.S. Harish Ram Krishna M. Viswanath Name of the Journal: International Journal of Digital Signal Processing, DOI: DSP052010003 Month and Year of Publication: May 2010 Volume No. Print ISSN: 0974-9691 Page No. 49-54.	
		98	Title of the Paper:	

			Improved Precoding Method For PAPR Reduction In OFDM With Bounded Distortion Authors: Sudheesh.P , Namitha.A.S, Name of the Journal: International Journal Of Computer Applications(0975 – 8887)IJCA Month and Year of Publication: June 2010. Volume No. 2– No.4 Page No. 691-697	
		99	Title of the Paper: Mimo based Efficient JPEG Image Transmission and Reception by Multistage Receivers Authors: Deepa.R Name of the Journal: International Journal of Computer Applications (IJCA) Month and Year of Publication: Feb 2010 Volume No.1, No.15 Page No.12-21	
		100	Title of the Paper: Automatic Test Pattern Generator using Generalized Hopfield neural network model Authors: J.P.Anita, Anumol Varkey Omana and P.T.Vanathi Name of the Journal: International Journal of Power,Control,Signal and Computation (IJCSC) Month and Year of Publication: 2010 Volume No. 1 No.2 Page No. 139-143	
		101	Title of the Paper: Fault diagnosis of digital circuits using the optimal neural network model Authors: J.P.Anita, Anumol Varkey Omana and P.T.Vanathi Name of the Journal: International Journal of Artificial intelligence and computational research (IJAICR) Month and Year of Publication: 2010. Volume No. 2 No.1 Page No. 29-33	
		102	Title of the Paper: Image Enhancement of Medical Images using Gabor Filter Bank on Hexagonal Sampled Grids Authors: S.Veni , K.A.Narayanankutty Name of the Journal: WASET Journal Month and Year of Publication: May 2010 Volume No. Issue 65 Page No. 816-821	
		103	Title of the Paper: Mimo Based Jpeg Image Transmission And Reception Employing Spatial Multiplexing Authors: R. Deepa, K. Baskaran Name of the Journal: International Journal on computer applications, IISc Bangalore Month and Year of Publication: feb 2010 Volume No.	Scopus Listed

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		10 4	Title of the Paper: Design and Implementation of an Optimized Double Precision Floating Point Divider on FPGA Authors: Ramesh.S.R ,Shamna.K Name of the Journal: International Journal of Advanced Science and Technology Month and Year of Publication: May,2010 Volume No. 18, Page No.	
		10 5	Title of the Paper: MIMO based efficient JPEG image transmission and reception by multiusage receivers Authors: R. Deepa Name of the Journal: International Journal on futuristic computer applications (IJFCA Month and Year of Publication: Volume No. Page No.	Scopus Listed
		10 6	Title of the Paper: MIMO - OFDM based cognitive Radio with Antenna Selection and modulation recognition Authors: R. Deepa Name of the Journal: International Journal on futuristic computer applications (IJFCA Month and Year of Publication: Volume No. Page No.	Scopus Listed
		10 7	Title of the Paper: Single step modification of copper electrode for the highle sensitive ans selelctive non- enzymatic determination of glucose Authors: T G Satheesh Babu Name of the Journal: Microchimica Acta169(2010) Month and Year of Publication: Volume No. Page No. 49 – 55	2.648
		10 8	Title of the Paper: Automatic Generation Control for Hydrothermal Plant with Variable Structure System Controller and Superconducting Magnetic Energy Storage Authors: Ms. K.R.M.Vijaya Chandrakala, Dr. S.Balamurugan, Dr. K.Sankaranarayanan Name of the Journal: Automation Engineering and Systems Engineering Month and Year of Publication: June 2010 Volume No. No. 4, Issue No.3 Page No.142-153	
		10 9	Title of the Paper: Software Agents for Supply Chain Management Authors: Prashant R.Nair Name of the Journal: International Journal of Decision Making in Supply Chain and Logistics Month and Year of Publication: January-June 2010	

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		11 0	Title of the Paper: IT Enabled Supply Chain Management using Decision Support Systems Authors: Prashant R.Nair and OA Balasubramaniam Name of the Journal: CSI Communications Month and Year of Publication: May 2010 Volume No.34, No.2 Page No.34-40	
		11 1	Title of the Paper: "On Pseudo Symmetric Ideas in -Semirings" Authors: R. Arul Doss and S. Krishnamoorthy Name of the Journal: International Journal of Algebra Month and Year of Publication: 2010 Volume No. Vol.4, No.1. Page No. pp.1-8	
		11 2	Title of the Paper: Multi-level Sequential Circuit Partitioning for Test Vector Generation for Low Power Test in VLSI Authors: K. Somasundaram and Prathyush, Name of the Journal: International Journal of Engineering Sciences and Technology Month and Year of Publication: 2010 Dec Volume No. 2, Issue 11, Page No. 82-89,	
		11 3	Title of the Paper: Study of startup transients and power ramping of natural circulation boiling systems Authors: Pradeep, K.P., Iyer, K.N., Lakshmanan, S.P., Pandey Name of the Journal: Nuclear Engineering and Design Month and Year of Publication: 2010 Volume No . 239 Page No. 1076-1083.	Impact factor: 0.785 Citation: 1
		11 4	Title of the Paper: Experimental and Numerical investigation on a two phase natural circulation test facility. Authors: Pradeep, K.P., Khardekar, A.V., Iyer K.N Name of the Journal: Heat Transfer engineering Accepted for publication in special issue of Special Issue of international journal	Listed in Scopus
		11 5	Title of the Paper: Studies on Bayes classifier for Condition Monitoring of Single Point Carbide Tipped Tool based on Statistical and Histogram Features, Expert Systems with Applications Authors: M. Elangovan, K. I. Ramachandran and V. Sugumaran Name of the Journal: Month and Year of Publication: March 2010	2.9

			Volume No. Volume 37, Issue 3 Page No. 2059-2065.	
		11 6	Title of the Paper: Application of Support Vector Machine (SVM) and Proximal Support Vector Machine (PSVM) for Fault Classification of Monoblock Centrifugal Pump. Authors: N.R. Sakthivel, V. Sugumaran, Binoy B. Nair Name of the Journal: International Journal of Data Analysis Techniques and Strategies, Month and Year of Publication: 2010 Volume No: 2 Page No: 38 - 61	Listed in Scirus and ASAP.
		11 7	Title of the Paper: Vibration Based Fault Diagnosis of Monoblock Centrifugal Pump using Decision Tree Authors: N.R. Sakthivel, V. Sugumaran, S. Babudevasenapati Name of the Journal: International Journal of Expert systems with application. Month and Year of Publication:2010 Volume No: 1 Page No:38-61	2.908
		11 8	Title of the Paper: Comparison of Decision Tree-Fuzzy and Rough set-Fuzzy Methods for Fault Categorization of Monoblock Centrifugal Pump Authors: N.R. Sakthivel, V. Sugumaran, Binoy B. Nair Name of the Journal: International Journal of Mechanical Systems and Signal Processing Month and Year of Publication:2010 Volume No: 24 Page No: 1887–1906,	2.075
		11 9	Title of the Paper: A Method for Minimum Sample Size Calculation for a Classification Problem in Fault Diagnosis of Centrifugal Pump. Authors: V. Indira, R. Vasanthakumari, N.R. Sakthivel and V. Sugumaran Name of the Journal: International Journal of Statistics and Systems Research India Publications. Month and Year of Publication: 2010 Volume No: 5 Page No: 183–202.	
		12 0	Title of the Paper: A Genetic Algorithm Optimized Decision Tree-SVM based Stock Market Trend Prediction System Authors: Binoy B. Nair, V.P Mohandas, N.R. Sakthivel Name of the Journal: International Journal on Computer Science and Engineering, Month and Year of Publication:2010 Volume No: 2 Page No: 2981-2988	Listed in Scopus

		12 1	Title of the Paper: Application of Goal Programming to measure the agility of manufacturing systems Authors: P.G.Saleeshya & A.Subashbabu Name of the Journal: International Journal of Agile Systems and Management (IJASM) Month and Year of Publication: Accepted on 11/5/2010	Listed in Scirus
		12 2	Title of the Paper: A model to assess the lean capabilities of automotive companies Authors: P.G.Saleeshya, A.Dane.A, K.Vamsi Name of the Journal: International Journal of Productivity and Quality Management (IJPQM) Month and Year of Publication: Accepted on 04-05-2010	Listed in Scopus
		12 3	Title of the Paper: Dry sliding wear behavior of Aluminium/alumina/graphite hybrid metal matrix composites Authors: N.Radhika, S.Subramanian,S.Venkat prasat Name of the Journal: Industrial Lubrication and Tribology Accepted: Issue 6, 2012.	
		12 4	Title of the Paper: A Decision tree- Rough set Hybrid System for Stock Market Trend Prediction Authors: Binoy.B.Nair, V.P Mohandas, N. R. Sakthivel Name of the Journal: International Journal of Computer Applications (IJCA). Month and Year of Publication: Sep 2010 Volume No: 6 Page No: 1-6	
		12 5	Title of the Paper: Measurement of surface roughness through RSM : effect of coated carbide tool on 6061-t4 aluminium Authors: Dr. S P Anbuudayasankar Name of the Journal: International Journal of Enterprise Network Management(IJENM) Month and Year of Publication: Volume No. Page No.	SCOPUS listed
		12 6	Title of the Paper: Traditional Industry sector in the changing business environment - a case study of the finnish steel product industry Authors: Dr. S P Anbuudayasankar Name of the Journal: International Journal of Electronic Customer relationship management Month and Year of Publication: Volume No. Page No.	SCOPUS listed
		12 7	Title of the Paper: Profit Optimisation in three echelon supply chains revenue management through heuristic optimiser Authors: Dr. K Ramesh Kumar	SCOPUS listed

			Name of the Journal: International Journal of revenue management Month and Year of Publication: Volume No. Page No.	
		12 8	Title of the Paper: unified calculation of Q- values and half lives of alpha decay of super heavy elements Authors: S. Mahadevan, C. S. Shastry and Y. K. Gambhir Name of the Journal: International Journal of Modern Physics Month and Year of Publication: 2010 Volume No.19, 10 Page No. 2033-2043	0.643
		12 9	Title of the Paper: Study of metallic fibrous nanoparticles aggregate produced using femtosecond laser radiation under ambient condition Authors: Sivakumar.M., K. Venkatakrishnan and B. Tan Name of the Journal: Nanotechnology Month and Year of Publication: 2010 Volume No: 21, 22 Page No: 225601	3.137
		13 0	Title of the Paper: S-matrix and wave function methods for the calculation of small decay widths Authors: Basudeb Sahu.Y.K.Gambhir. C.S.Shastry Name of the Journal: Mod. Phys.Lett. A Month and Year of Publication: 2010 Volume No: 25 Page No: 535-547	1.075
		13 1	Title of the Paper: Resonant states and transmission coefficient oscillations for potential wells and barrirs Authors: Uma Maheswari.A., P.Prema and C.S.Shastry Name of the Journal: Am. J. Phys Month and Year of Publication: 2010 Volume No: 78, 2 Page No:	0.292
		13 2	Title of the Paper: Enhancement of silicon nanostructures generation using dual wavelength double pulse femtosecond laser under ambient condition Authors: Sivakumar,M., B. Tan, K. Venkatakrishnan Name of the Journal: Journal of Applied Physics Month and Year of Publication: 2010 Volume: 107 Pages: 44307	2.072

		13 3	Title of the Paper: Shear bond stress of composite bonded to KrF excimer laser treated enamel Authors: Sivakumar, M., V. Oliveira, R. Vilar, S. Oliveira Name of the Journal: International Journal of Abrasive Technology Month and Year of Publication: 2010 Volume: 3, 2 Pages:	1.91
		13 4	Title of the Paper: Quantum Mechanics, Consciousness and Cosmos Authors: Narayanankutty Karuppath and Achuthan.P Name of the Journal: NeuroQuantology Month and Year of Publication: 2010 Volume: 8, 1 Pages:	
		13 5	Title of the Paper: Synthesis of Nanoscale Tips Using Femtosecond Laser Radiation under Ambient Condition Authors: Sivakumar, M., K. Venkatakrishnan Name of the Journal: Nanoscale Research Letters Month and Year of Publication: 2010 Volume: 5 Pages: 438-441	2.894
		13 6	Title of the Paper: Bond strength of an etch and rinse adhesive to KrF excimer laser treated dentin Authors: Eugenio.S.,R.Osorio,M.Sivakumar, R.Vilar, M.Toledano Name of the Journal: Photomedicine and Laser Surgery Month and Year of Publication: 2010 Volume: 28, Pages: 97-102	1.756
		13 7	Title of the Paper: Essential Oils as VCI for mild steel in Various environments Authors: N. Poongothai, M. Natesan, S. C. Murugavel and T. Ramachandran Name of the Journal: Material Performance Month and Year of Publication: April 2010 Volume No: 49 No.4 Page No: 50-55	0.592
		13 8	Title of the Paper: The Performance of VCI coated paper for corrosion prevention of copper in HCl environment . Authors: N. Poongothai, S.C. Murugavel, M. Natesan and T. Ramachandran Name of the Journal: Asian J. of Research in Chem.	1.344

			Month and Year of Publication: April- June 2010 Volume: 3, Issue 2 Page No: 472- 476	
		139	Title of the Paper: Evaluation of Vitis vinifera as a Corrosion Inhibitor for Mild Steel in 1 M HCl. Authors: R.Saratha, P.Thilagavathy and N.Kasthuri Name of the Journal: Asian Journal of Research in Chemistry Month and Year of Publication: Jan – Mar 2010 Volume: 3, 1 Page No: 132-138	
		140	Title of the Paper: The Performance of VCI Coated Paper for Prevention of Corrosion of Copper in HCl Environment. Authors: Poongothai.N., T. Ramachandran Name of the Journal: Asian Journal of Research in Chemistry Month and Year of Publication: April- June 2010 Volume: 3, 2 Page No: 65-69	
		141	Title of the Paper: Development of highly sensitive non-enzymatic sensor for the selective determination of glucose and fabrication of a working model Authors: Satheesh Babu T.G., T.Ramachandran Name of the Journal: Electrochimica Acta Month and Year of Publication: 2010 Volume: 55 Page No: 1612–1618	3.56
		142	Title of the Paper: matrix based unified calculation of Q-values and half lives of alpha decay of super heavy elements Authors: P.Prema, S. Mahadevan, C. S. Shastry and Y. K. Gambhir, S Name of the Journal: International Journal of Modern Physics E Month and Year of Publication: 2010 Volume No. Vol 19, No 10 Page No. 2033-2043	
		143	Title of the Paper: Resonant states and transmission coefficient oscillations for potential wells and barrirs, Authors: Uma Maheswari.A., P.Prema and C.S.Shastry Name of the Journal: Am. J. Phys Month and Year of Publication: February 2010 Volume No. 78(2), Page No.	
		144	Title of the Paper: Enhancement of silicon nanostructures generation using dual wavelength double pulse femtosecond laser under ambient condition	Impact Factor: 2.201

			Authors: Sivakumar,M., B. Tan, K. Venkatakrishnan Name of the Journal: Journal of Applied Physics Month and Year of Publication: 2010 Volume No. 107 Page No. 044307	
		14 5	Title of the Paper: Bo Tan,Characterization of MHz pulse repetition rate femtosecond laser-irradiated gold-coated silicon surfaces Authors: Manickam Sivakumar, Krishnan Venkatakrishnan, Name of the Journal: Nanoscale Research Letters Month and Year of Publication: 2011 Volume No. Page No. 6:78 http://www.nanoscalereslett.com/content/6/1/78	
		14 6	Title of the Paper: Gold Nanoparticles Modified Titania Nanotube Arrays for Amperometric Determination of Ascorbic Acid Authors: Satheesh Babu T.G., P.V.Suneesh, T.Ramachandran Name of the Journal: Analytical Letters Month and Year of Publication: 13 dec 2010 Volume No. Page No. 2809-2822	
		14 7	Title of the Paper: Evaluation of Vitis vinifera as a Corrosion Inhibitor for Mild Steel in 1 M HCl Authors: R.Saratha, P.Thilagavathy and N.Kasthuri Name of the Journal: Asian Journal of Research in Chemistry Month and Year of Publication: ,Jan – Mar 2010 Volume No. 3, Issue-1 Page No. 132-138.	
		14 8	Title of the Paper: The Performance of VCI Coated Paper for Prevention of Corrosion of Copper in HCl Environment Authors: Poongothai.N., T. Ramachandran Name of the Journal: Asian Journal of Research in Chemistry (AJRC), Month and Year of Publication: April- June 2010 Volume No. 3,Issue 2 Page No. . 65-69.	
		14 9	Title of the Paper: Essential Oils as Vapour Phase Corrosion Inhibitors for mild steel in sea water, rain water, SO2 and H2S Environments Authors: Poongothai.N., T. Ramachandran, Name of the Journal: Material Performance Journal (MP) Month and Year of Publication: April 2010 Volume No. 49, Page No. 50-55	
		15	Title of the Paper: Agonies of Children of	

		0	divorced parents Authors: Premalatha M & J Paranjothi Ramalingam. Name of the Journal: Journal of School Social Work Month and Year of Publication: Nov 2010 Vol: VII , Issue -6 Page No: 9-15	
		15 1	Title of the Paper: Bactericidal effects of silver plus titanium dioxide-coated endotracheal tubes on Pseudomonas aeruginosa and Staphylococcus aureus Authors: Keiko M Tarquinio, Nikhil K Kothurkar, Dharendra Y Goswami, et al Name of the Journal: International Journal of Nanomedicine, Month and Year of Publication: March 2010, Volume No. 2010 :5, Page No. 177-183	Impact Factor : 2.612
	National Journal	1.	Title of the Paper: Dynamic mechanical analysis of pineapple leaf/glass hybrid fibre polyester composites, Polymer Composite Authors: Uma Devi L, Bhagawan S S and Thomas S Name of the Journal: Polymer Composite Month and Year of Publication: June 2010 Volume No. 31 [6] Page No.: 956-965	0.998
		2	Title of the Paper: Preparation and characterization of nanoclay filled Polyurethane/ Polypropylene blends Authors: Kannan M, Bhagawan S S, Tomlal Jose, Sabu Thomas and Kuruvilla Joseph Name of the Journal: Polymer Engineering and Science Month and Year of Publication: September 2010 Volume No. 50(9) Page No. 1878-1886	1.296
		3	Title of the Paper: An Experimental Study of Spiral Plate Heat Exchanger for Nitrobenzene-Water Two-Phase System Authors: Sathiyar S, Murali Rangarajan, Ramachandran S Name of the Journal: Journal of Bulgarian Chemical Communications Month and Year of Publication: October 2010 Volume No. 42,(3) Page No.: 205-209	0.234
		4	Title of the Paper: Characterization of nanoclay filled polymer blends Authors: Kannan M Name of the Journal: SPE Plastics research, Online: Plastics Nanotechnology Month and Year of Publication: September 2010	

			Doi : 10.1002/spepro.003051	
		5	Title of the Paper: Genomic sequence of Hypocrea lixii isolate MTCC 10730 translation elongation factor 1 alpha (tef1alpha) gene, partial cds Authors: Ramesh,P., Baskar,R. and Gaanappriya,M. Name of the Journal: pubmed Month and Year of Publication: Volume No. Page No:	
		6	Title of the Paper: isolate identified and deposited in MTCC (Microbial Type Culture Collection) under general category deposition with accession number as follows(i) Trichoderma harzianum: MTCC acc no.10730 Authors: Ramesh, P. Fungal Name of the Journal: Month and Year of Publication: Volume No. Page No.	
		7	Title of the Paper: Continuum Damage Growth Analysis Using Element Free Galerkin Method Authors: Arun, C. O., Rao, B. N., Srinivasan, S. M. Name of the Journal: Sadhana Month and Year of Publication: June 2010 Volume No. 35 Page No. 279-301	Impact factor -1.806
		8	Title of the Paper: Correlating properties of superplasticized paste, mortar and concrete Authors: C. Jayasree and Ravindra Gettu Name of the Journal: Indian Concrete Journal Month and Year of Publication: July 2010 Volume No. 84 Page No. 7-18	
		9	Title of the Paper: Study of Plunging Hollow-jet Aerators using Non-dimensional Parameters Authors: Dr K M Mini, M.G.Kaimal, Dr N Narayana Pillai Name of the Journal: Institution of Engineers EN Month and Year of Publication: Volume No. Vol.91 Page No. 20-26	
		10	Title of the Paper: Analytical Model for Chip Area and Power Consumption of 3D NoC Authors: Dr. K. Somasundaram, N. Viswanathan, and Dr. K. Paramasivam Name of the Journal: MES Journal of Technology and Management	

			Month and Year of Publication: November 2010 Volume No. 1 No.2, Page No. 162-166	
		11	Title of the Paper: Metaheuristic Approach for Simultaneous Delivery and Pick-Up Problem of Banking Industry Authors: Anbuudayasankar, S.P., Ganesh, K. and Mohandas, K. Name of the Journal: The ICFAI University Journal of Operations Management Month and Year of Publication: Volume No. VIII Page No.	
		12	Title of the Paper: CORE: a heuristic to solve a vehicle routing problem with mixed delivery and pick-up Authors: Anbuudayasankar, S.P., Ganesh, K. and Mohandas, K. Name of the Journal: The ICFAI University Journal of Supply Chain Management Month and Year of Publication: Volume No.V Page No.	
		13	Title of the Paper: Anger Management among Children Authors: Premalatha M & J Paranjothi Ramalingam. Name of the Journal: Journal of School Social Work Month and Year of Publication: Aug 2010. Volume No. Vol – VII – Issue 3 Page No: 15-20	
		14	Title of the Paper: Trafficking of Girl children- Reaching through professional intervention Authors: Premalatha M & J Paranjothi Ramalingam. Name of the Journal: Journal of School Social Work Month and Year of Publication: Oct 2010 Volume No. Vol –Vii, Issue –v 11 Page No: 22-28	
	International Conference (Proceedings)	1.	Title of the Paper: Elastomer Based Composites Authors: S.S. Bhagawan and Meera Balachandran Name of the Conference: International Conference on Latest in Polymers – 2010 Duration of the Conference: 12-13 August, 2010 Name of the Organizer: J.J Murphy Research	

			Centre, Rubber Park India (P) Ltd., Kochi Conference Venue: Page No: Proceedings Published By:	
		2	Title of the Paper: Approaches in Approaches to Modeling Properties of Polymer Nanocomposites Authors: S.S. Bhagawan and Meera B Sasikumar Name of the Conference: International Conference on Natural Polymers, Bio-polymers, Bio-Materials, their composites, Blends, IPNs and Gels Polyelectrolytes and Gels: Macro to Nano Scales, ICNP-2010 Duration of the Conference: September 24-26, 2010 Name of the Organizer: Conference Venue: Centre for Nanoscience and Nanotechnology, Mahatma Gandhi University, Kottayam, Kerala Page No: 35-36. Proceedings Published By:	
		3	Title of the Paper: High Selectivity Slurries for STI CMP Authors: S. Ramanathan, R. Manivannan and Vineeth Venunath Name of the Conference: Electrochemical Society 218th meeting, ECS Transactions Duration of the Conference: October 10-15th, 2010 Name of the Organizer: Conference Venue: Las Vegas Page No: 31-42, 2010. Nevada, 33 (10) Proceedings Published By:	
		4	Title of the Paper: Mechanical And Visco-Elastic Properties Of Silicone Rubber – Nanoclay Composites And Its Application In Vibration Damper Authors: Pradip P Sairam, Sreeja M R, Ajith Ramesh, Meera Balachandran Name of the Conference: International Conference on Manufacturing Science and Technology (ICMST 2010) Duration of the Conference: October 29-31, 2010. Name of the Organizer: Conference Venue: Indian Institute of Space Science and Technology and Materials Research Society of India, Thiruvananthapuram Page No: Proceedings Published By:	
		5	Title of the Paper: Influence of blend ratio on the mechanical and sorption behaviour of polymer-	

			polymer microfibrillar composites from LDPE and PET Authors: K. Jayanarayanan, Sabu Thomas, Kuruvila Joseph Name of the Conference: The International Conference on Recent Trends in Material Science and Technology-2010 (ICMST-2010) Duration of the Conference: October 29-31,2010 Name of the Organizer: Indian Institute of Space Science and Technology jointly with Materials Research Society of India at Thiruvananthapuram Conference Venue: Page No: 3.47-3.49 Proceedings Published By:	
		6	Title of the Paper: Studies on nanoclay filled Polyurethane and Polypropylene (TPU/PP) blends Authors: M.Kannan, S.S.Bhagawan, Tomlal Jose, Sabu Thomas, Kuruvilla Joseph Name of the Conference: The International Conference on Recent Trends in Material Science and Technology-2010 (ICMST-2010) Duration of the Conference: October 29-31,2010 Name of the Organizer: Indian Institute of Space Science and Technology jointly with Materials Research Society of India at Thiruvananthapuram Conference Venue: Page No: Proceedings Published By:	
		7	Title of the Paper: Role of DoE [Design of Experiments] in development of nanoclay – nitrile rubber composites Authors: S.S. Bhagwawan and Meera B. Sasikumar Name of the Conference: International Conference on Manufacturing Science and Technology (ICMST 2010) Duration of the Conference: October 29-31, 2010. Name of the Organizer: Indian Institute of Space Science and Technology and Materials Research Society of India, Thiruvananthapuram Conference Venue: Page No: Proceedings Published By	
		8	Title of the Paper: Heat Transfer in Spiral Plate Heat Exchangers with Water-Organics Liquid-Liquid Two-Phase Systems Authors: Sathiyar, S., Rangarajan, M.,	

			Ramachandran. S Name of the Conference: 63rd Annual Session of Indian Institute of Chemical Engineers, CHEMCON 2010 Duration of the Conference: December 2010 Name of the Organizer: Conference Venue: Annamalai University, Annamalainagar Page No: 173 Proceedings Published By:	
		9	Title of the Paper: Modeling of Liquid-Liquid Two-Phase Heat Transfer in Spiral Plate Heat Exchanger Authors: Rangarajan, M., Sathiyar, S., Ramachandran, S Name of the Conference: 63rd Annual Session of Indian Institute of Chemical Engineers, CHEMCON 2010 Duration of the Conference: December 2010 Name of the Organizer: Annamalai University, Annamalainagar Conference Venue: Page No: 173 Proceedings Published By:	
		10	Title of the Paper: Water Sorption Characteristics of Ionic Polymer Blend Membranes Authors: P. Kanakasabai, Mahesh Arigonda, BVRSN Prasad, Abhijit P Deshpande, Susy Varughese Name of the Conference: Symposium on Recent and Emerging Advances in Chemical Engineering (REACH) Duration of the Conference: December 2-4, 2010 Name of the Organizer: Indian Institute of Technology Madras, Chennai Conference Venue: Page No: 151 Proceedings Published By:	
		11	Title of the Paper: Cement-superplasticizer compatilby and its effect on superplasticized paste and concrete Authors: C.Jayasree, Ravindra Gettu Name of the Conference: Asian conference on Ecstasy in Concrete Duration of the Conference: Dec-6-8,2010 Name of the Organizer: Conference Venue: IIT, Madras Page No: Proceedings Published By	
		12	Title of the Paper: : "Taguchi Method Based Parametric study of Generalized Generation Gap	Scopus Listed

			Model" Authors : S. Thangavelu and C.Shunmuga Velayutham Name of the Conference: International conference on Swarm, Evolutionary and Memetic Computing (SEMCCO 2010) Duration of the Conference: December 16 - 18, 2010. Name of the Organizer:Springer and SRM University Conference Venue: SRM University, Chennai Page No: 344-350 Proceedings Published By: LNCS, Springer	
		13	Title of the Paper: A Novel dynamic context Aware middleware for efficient service delivery in heterogeneous mobile environments Authors : Dr.N.Radhika Name of the Conference: International conferences on Advances in Communication Networks and Computing CNC 2010. Duration of the Conference: October 05, 2010 Name of the Organizer: Conference Venue: Calicut, Kerala, India. Page No245-247 Proceedings Published By: Conference proceeding is published by IEEE CS - Conference publishing services and it is archived in the IEEE Xplore and IEEE CS Digital Library.	
		14	Title of the Paper: AutoRegressive channel modeling and estimation using Kalman filter for downlink LTE systems Authors: S.Kirthiga and M.Jayakumar Name of the Conference: ACM International Conf, A2CWiC Duration of the Conference: September 2010 Name of the Organizer: Conference Venue: Page No: Proceedings Published By	
		15	Title of the Paper: Online Noise Reduction Technique for Mobile Communication Using LABVIEW Authors: Ramesh.S.R ,Mohankumar.B Name of the Conference: International Conference on Embedded Systems (ICES 2010) Duration of the Conference: July14-16,2010 Name of the Organizer: EEE Department, Coimbatore Institute of Technology Conference Venue: Page No: Proceedings Published By:	
		16	Title of the Paper: Design and Implementation of an Optimized Double Precision Floating Point	

			Divider using Cache Memory Authors: Ramesh.S.R ,Shamna.K Name of the Conference: International Conference on Embedded Systems (ICES 2010) Duration of the Conference: July14-16,2010 Name of the Organizer: EEE Department, Coimbatore Institute of Technology Conference Venue: Page No: Proceedings Published By:	
		17	Title of the Paper: Cross talk Effects on Mixed Signal CMOS ICs Authors: Ramesh.S.R, AnuBaby,ReejaRaju Name of the Conference: International Conference on Advances in Information Communication Technology and VLSI Design Duration of the Conference: Aug 6th&7th 2010 Name of the Organizer: ECE department, PSG College of Technology Conference Venue: Page No: Proceedings Published By:	
		18	Title of the Paper: VLSI Implementation of Asynchronous CDMA using Matched Filter Authors: Ramesh.S.R ,SavithaManojna.D ,SriSakthi.S Name of the Conference: International Conference on Communication and Computational Intelligence-2010 Duration of the Conference: 27-29th December 2010 Name of the Organizer: Kongu Engineering College ,Perundurai, Erode Conference Venue: Page No: Proceedings Published By:	
		19	Title of the Paper: VLSI Module Placement with Symmetry of devices for analog layout Authors: Prabhu.E Name of the Conference: International Conference on Communication and Computational Intelligence-2010 Duration of the Conference: December 27-29, 2010 Name of the Organizer: Conference Venue: Page No: 190-195 Proceedings Published By:	
		20	Title of the Paper: Differential power analysis on FPGA implementation of MICKEY 128 Authors: Sandeep, S. , Rajesh, C.B Name of the Conference: 3rd IEEE International	

			Conference on Computer Science and Information Technology (ICCSIT) Duration of the Conference: July 9-11, 2010. Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		21	Title of the Paper: Electromagnetic Analysis of Carbon Nano Tube Surfaces for Salisbury Screen Authors: Arul Iyyapan, Azhagu Mariaapan, Navin Kumar M, Sampathkumar P, Karthik Prasad R, Shivsankar R and Sabarish Narayanan B Name of the Conference: Eleventh International Conference on Electromagnetic Interference and Compatibility (INCEMIC 2010) Duration of the Conference: November 25-26, 2010. Name of the Organizer: Conference Venue: Page No: 173-180 Proceedings Published By:	
			Title of the Paper: Efficiency Improvement of Induction Motor Driven from a Three Phase AC Chopper. Authors: Ratheesh.C.K, Devarajan.A.T, T.N.P.Nambiar, Sasi.K.K, Isha.T.B. Name of the Conference: IDAEPSC 2010 Duration of Conference: 9-10 July 2010. Conference venue: SKCET, Coimbatore	
		22	Title of the Paper: Optimum Efficiency of Induction Motor. Authors: Devarajan.A.T, T.N.P.Nambiar, Sasi.K.K, Isha.T.B Name of the Conference: ACEEE, Chennai. Duration of Conference: 28 July 2010. Conference venue: Chennai	
		23	Title of the Paper: SVM based Generation Control on Smart Grid. Authors: D.Prasannavadana, Sasi.K.K Name of the Conference: Innovative Research in Engineering & Technology (ICIRET 2010), Coimbatore. Duration of Conference: 12-14 August 2010. Conference venue:Coimbatore	
		24	Title of the Paper: Space Vector Modulation to Balance the Neutral Voltage in a Three level Inverter. Authors: Krishna.R, E.S.Deepak, Kottayil.S.K, Leijon.M Name of the Conference: IEEE PEDES ,2010, New Delhi. Duration of Conference: 20 December 2010.	

			Conference venue: New Delhi	
		25	Title of the Paper: Efficient scheduling with Adaptive Fault Tolerance in Heterogeneous Microprocessor Systems Authors: V Radhamani Pillay, Radu Dobrin, Sasikumar Punnekkat, Senthil Kumar Chandran. Name of the Conference: International Conference on Computer & Electrical Engineering Duration of Conference: November 16-18, 2010. Conference venue: Chengdu, China	
		26	Title of the Paper: Optimizing Resources in Real-Time Scheduling for Fault Tolerance Processor Authors: V.Radhamani Pillay, Sasikumar Punnekkat, Senthil Kumar Chandran. Name of the Conference: International Conference on Parallel, Distributed and Grid Computing Duration of Conference: October 2010. Conference venue: Himachal Pradesh, India	
		27	Title of the paper: Hybrid Genetic Algorithm for Optimal Power Flow with TCPS. Authors: Ms Lekshmi R.R., Dr. D. Devaraj Name of the conference: International Conference on Computing, Communication and Networking Technologies. Duration of conference: July 29-31, 2010. Conference Venue: Chettinad College of Engineering & Technology, Karur	
		28	Title of the Paper: Design and Validation of a Neural Predictive Controller for Emission Minimisation in IC Engines Authors: Arunaa C.N., Ramachandran K.I., Babu Devasenapati. S., Vijaya Chandrakala K.R.M. Name of the Conference: Recent Trends in Communication, Computation and Signal Processing Duration of conference: March 01-02, 2011. Conference Venue:Coimbatore	
		29	Title of the Paper: Reducing the Number of Preemptions in Real Time Systems Scheduling by CPU Frequency Scaling Authors: Abhilash Thekkilakattil, Anju S. Pillai, Radu Dobrin and Sasikumar Punnekkat Name of the Conference: 18th International Conference on Real-Time and Network Systems Duration of the Conference: November 4 to 5, 2010 Name of the Organizer: Conference Venue: Toulouse, France	

			Page No: Proceedings Published By	
		30	Title of the Paper: Vehicle detection in static images using color and corner map Authors: Aarthi R, S. Padmavathi and Amudha J Name of the Conference: Recent Trends in Information, Telecommunication and Computing Duration of the Conference: 12 and 13 March, 2010 Name of the Organizer: Conference Venue: Kochi Page No: Proceedings Published By:	
		31	Title of the Paper: Decision Support Systems for Efficient Supply Chain Management Authors: Prashant R.Nair, OA Balasubramaniam and A Somu Name of the Conference: 5th International Conference on Logistics and Supply Chain Management Duration of the Conference: 4th August, 2010 Name of the Organizer: Central Michigan University at PSG Institute of Management, Coimbatore Conference Venue: Page No: Proceedings Published By:	
		32	Title of the Paper: Hiearchical Semantic Search over a P2P network Authors: Bindu K R, Jothirlatha V, Divya Ria Thomas Name of the Conference: Computer Applications Duration of the Conference: 23 to 27 December, 2010 Name of the Organizer: Conference Venue: Pondicherry Page No: Proceedings Published By:	
		33	Title of the Paper: Human face detection and r ecognition using a hybrid approach Authors: Gireesh Kumar T, Sattvik Sharma, Raghupathy M, Prashanth M, Vrishod K.S and Sreevathsan R Name of the Conference: Computing organized by Advanced Computing Research Society at IDSA Duration of the Conference: 27 and 28 December, 2010 Name of the Organizer: Conference Venue: Delhi Page No:	

			Proceedings Published By:	
		34	Title of the Paper Mechanical and Visco-Elastic Properties of Silicone Rubber – Nanoclay Composites and its Application in Vibration Damper Authors Pradip P. Sairam, Sreeja M. R., Ajith Ramesh, Meera Balachandran Name of the Conference Proceedings of International Conference on Manufacturing Science and Technology: ICMST 2010 Duration of the Conference October 29-31, 2010 Name of the Organizer Indian Institute of Space Science and Technology, and Materials Research Society of India Conference Venue Thiruvananthapuram, INDIA Proceedings Published By ICMST-2010 Page No1.65-1.68	
		35	Title of the paper : Unified description of Q-Values and half lives of alpha decay for A=152-181. Authors : Dr. S Mahadevan, C S Shastry, A Bhagawat Conference : DAE-BRNS National symposium on Nuclear Physics held during Dec 20-24 , 2010 at BITS, Pilani, Rajasthan	
		36	Title of the Paper: Aerodynamic Optimization of Locomotives Authors: V. Sivadas, A. Gayathri, S. Simon, R.K. Arjun, Gayathri Menon Name of the Conference: ICTACEM-2010 Duration of the Conference: Dec.27-29, 2010 Name of the Organizer: Conference Venue: IIT-Kharagpur Page No: Paper ID-64 Proceedings Published By:	
		37	Title of the Paper: Analysis of Interlaminar Stresses in Multilayered Composite Skew Plate With Elliptical Cutout Under Out-of Plane Loading Authors: Sivakumar, V., Vinesh, D Name of the Conference: FE, Proceedings of 5th International Conference on Theoretical, Applied, Computational and Experimental Mechanics, Duration of the Conference: 27-29 December 2010 Name of the Organizer: Conference Venue: IIT Kharagpur ISBN 978-93-80813-03-5. Page No: 288,715-718 Proceedings Published By	
		38	Title of the Paper: Novel Preprocessing and HT-Based Peak-Finding Techniques for Detection of	

			R-peaks in ECG Signal Authors: M. Sabarimalai Manikandan and Rahul Tyagi, Name of the Conference: IEEE NCC 2010 Duration of the Conference: Name of the Organizer: Conference Venue: Madras, India Page No: Proceedings Published By:	
		39	Title of the Paper: Thermal Analysis Of Nanofluids Using Modeling And Molecular Dynamics Simulation Authors: Krishnan Namboori P.K., Varun Gopal.K, Vasavi.C.S., Sabarish Narayanan.B, Deepa Gopakumar and K.I.Ramachandran Name of the Conference: American Institute of Physics Conf. Proc.1276 (2010), Duration of the Conference: Name of the Organizer: Conference Venue: Page No: 407- 412. Proceedings Published By:	
		40	Title of the Paper: In-Silico Characterization Of Multi Walled Carbon Nanotubes (Mwcnts) To Develop Gas Sensors Authors: Premkumar.P, Krishnan Namboori P.K, Deepa Gopakumar, V.P. Mohandas, K.U.Radhagayathri Name of the Conference: American Institute of Physics Conf. Proc.1276 (2010) Duration of the Conference: Name of the Organizer: Conference Venue: Page No: 302- 306 Proceedings Published By:	
		41	Title of the Paper: Kernel Method for English to Kannada Transliteration Authors: Antony P J, Ajith V P and Soman K P Name of the Conference: International Conference on-Recent Trends in Information, Telecommunication and Computing Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		42	Title of the Paper: SVM Based Parts Speech Tagger for Malayalam Authors: Antony P J, Ajith V P and Soman K P Name of the Conference: International Conference on-Recent Trends in Information, Telecommunication and Computing	

			Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		43	Title of the Paper: Kernel Based Part of Speech Tagger for Kannada Authors: Antony P J and Soman K P Name of the Conference: International Conference on Machine Learning and Cybernetics Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		44	Title of the Paper: Feature Extraction Based English to Kannada Transliteration Authors: Antony P J, Ajith V P and Soman K P Name of the Conference: Third International Conference on Semantic E-business and Enterprise Computing Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		45	Title of the Paper: Morphological Generator for Tamil a New Data Driven Approach Authors: R. U. Rekha, Anand kumar M., Dhanalakshmi V., Soman K. P and Rajendran S Name of the Conference: 9th Tamil Internet Conference, Chemmozhi Maanaadu, Coimbatore, India Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		46	Title of the Paper: Grammar Teaching Tools for Tamil Authors: Dhanalakshmi V., Anand kumar M., Rekha R. U., Soman K. P. and Rajendran S Name of the Conference: Technology for Education Conference (T4E), Duration of the Conference: Name of the Organizer: Conference Venue: IIT Bombay, India Page No: Proceedings Published By:	
		47	Title of the Paper: A Novel Approach to	

			Morphological Generator for Tamil Authors: Rekha R. U., Anand kumar M., Dhanalakshmi V., Soman K. P. and Rajendran S Name of the Conference: 2nd International Conference on Data Engineering and Management (ICDEM 2010) Duration of the Conference: Name of the Organizer: Conference Venue: Trichy, India Page No: Proceedings Published By:	
		48	Title of the Paper: Morphological Analyzer for Malayalam using Machine Learning Authors: Abeera V. P., Aparna S., Rekha R. U., Anand kumar M., Dhanalakshmi V., Soman K. P. and Rajendran S Name of the Conference: 2nd International Conference on Data Engineering and Management (ICDEM 2010), Duration of the Conference: Name of the Organizer: Conference Venue: Trichy, India Page No: Proceedings Published By:	
		49	Title of the Paper: Morphological Analyzer for Telugu using Support Vector Machine Authors: Kiranmai G., Mallika K., Anand kumar M., Dhanalakshmi V., Soman K. P. and Rajendran S Name of the Conference: International Conference on Advances in Information and Communication Technologies (ICT 2010) Duration of the Conference: Name of the Organizer: Conference Venue: Kochi, India Page No: Proceedings Published By:	
		50	Title of the Paper: A Novel Algorithm for Tamil Morphological generator Authors: Anand kumar M., Rekha R. U., Dhanalakshmi V., Soman K. P. and Rajendran S Name of the Conference: 8th International Conference on Natural Language Processing (ICON2010) Duration of the Conference: Name of the Organizer: Conference Venue: IIT Kharagpur, India Page No: Proceedings Published By:	
		51	Title of the Paper: Building a WordNet for Dravidian Languages Authors: Rajendran S., Shivapratap G.,	

			Dhanalakshmi V. and Soman K. P Name of the Conference: 5th International Conference of the Global WordNet Association (GWA2010) Duration of the Conference: Name of the Organizer: Conference Venue: Indian Institute of Technology, Mumbai, India Page No: Proceedings Published By:	
		52	Title of the Paper: English to Tamil Machine Translation System Authors: Saravanan S., Menon A. G., Soman K. P Name of the Conference: INFITT 2010 Duration of the Conference: Name of the Organizer: Conference Venue: Coimbatore Page No: Proceedings Published By:	
		53	Title of the Paper: Visual Based Pronunciation Dictionary for Indian Languages Authors: Kathirvel P., Murugesan, Manikandan S, K P Soman Name of the Conference: The Second International Conference on Technology for Education (T4E'10) Duration of the Conference: Name of the Organizer: Conference Venue: IIT-Mumbai Page No: Proceedings Published By:	
		54	Title of the Paper: Statistical Method for English to Kannada Transliteration Authors: Antony P J, Ajith V P and Soman K P Name of the Conference: International Conference on Recent Trends in Business Administration and Information Processing (BAIP 2010), Communications in Computer and Information Science Duration of the Conference: Name of the Organizer: Conference Venue: Page No: 356-362 ,Volume 70 Proceedings Published By:	
		55	Title of the Paper: Grammar Teaching Tools for Tamil Language Authors: Dhanalakshmi V., Anand kumar M., Rekha R. U., Soman K. P., Rajendran S Name of the Conference: The Second International Conference on Technology for Education (T4E'10)	

			Duration of the Conference: Name of the Organizer: Conference Venue: IIT-Mumbai Page No: Proceedings Published By:	
		56	Title of the Paper: Telugu Morphological Analyzer Using Support Vector Machine Authors: Sai Kiranmai G., Malliga K., Anand Kumar M., Dhanalakshmi V., Soman K. P Name of the Conference: International Conference on Advances in Information and Communication Technologies (ICT 2010) Duration of the Conference: 2010 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		57	Title of the Paper: Intrusion Detection Using Software Defined Noise Radar Authors: Deepthi Maheswari Chinnam, Madhusudhan J., Nandhini C., Prathyusha S. N., Sowmiya S. W., Ramanathan R., Dr. Soman K. P Name of the Conference: Second International Conference on Computing Communication and Networking Technologies (ICCCN2010) Duration of the Conference: 2010 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		58	Title of the Paper: Implementation of a Low Cost Synthetic Aperture Radar Using Software Defined Radio Authors: Deepthi Maheswari Chinnam, Madhusudhan J., Nandhini C., Prathyusha S. N., Sowmiya S. W., Ramanathan R., Dr. Soman K. P Name of the Conference: Second International Conference on Computing Communication and Networking Technologies (ICCCN2010) Duration of the Conference: 2010 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		59	Title of the Paper: A Review on the Spectrally Efficient Transmission of Signals with Software Defined Radio Authors: Silpa S. Prasad, R. Gandhiraj, K. P. Soman Name of the Conference: The 3rd International	

			Conference on Communications and Electronics (ICCE 2010 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		60	Title of the Paper: Super Resolution Blind Reconstruction of Low Resolution Images Using Framelets Based Fusion Authors: Bharath Bhushan D, Soumya V, Soman K. P Name of the Conference: International Conference on Recent Trends in Information Telecommunication and Computing (ITC 2010), Duration of the Conference: 2010 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		61	Title of the Paper: Efficient Spectral Estimation with Slepian Tapers in Cognitive Environment A Review Authors: R.Gandhiraj, Silpa.S.Prasad, K. R.Gandhiraj, Abinav, Anil kumar, Naveena Karthika, Pratibha, Ronsen, K.P.Soman Name of the Conference: International Conference on Embedded Systems, at CIT- Coimbatore Duration of the Conference: July 13-15, 2010 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		62	Title of the Paper: SVM Based Classification of Digitally Modulated Signals for Software Defined Radio Authors: R.Gandhiraj, Silpa.S.Prasad, K R.Gandhiraj, Abinav, Anil kumar, Naveena Karthika, Pratibha, Ronsen, K.P.Soman Name of the Conference: International Conference on Embedded Systems, at CIT- Coimbatore Duration of the Conference: July 13-15, 2010 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		63	Title of the Paper: SVM Based Classification of Digitally Modulated Signals for Software Defined Radio Authors: R.Gandhiraj, Abinav, Anil kumar,	

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		64	Title of the Paper: SVM Based Parts Speech Tagger for Malayalam Authors: Antony P. J., Santhanu P Mohan, Soman K P Name of the Conference: International Conference on-Recent Trends in Information, Telecommunication and Computing (ITC 2010) Duration of the Conference: March 12-13, 2010 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		65	Title of the Paper: Machine learning approaches to determine the “drug – likeness “ of the proteomic targets Authors: Harilal P., Saikrishna A, Varun Gopal K., Jiyesh M.M., Sankakanarayanan A.,P.K.Krishnan Namboori Name of the Conference: International conference on Control, Communication and Power Engineering 2010 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		66	Title of the Paper: Quantum mechanical characterization of single walled carbon Nanotube (SWCNT) to evaluate stability and conductivity Authors: Anirudh Ranganath,Ashish G., Varun Gopal K., K.Narayanan Kutty, Krishnan Namboori P.K., Deepa Gopakumar Name of the Conference: International conference on advances in Computer Engineering(2010 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		67	Title of the Paper: Heat Transfer in Spiral Plate Heat Exchangers with Water-Organics Liquid-	

			Liquid Two-Phase Systems Authors: Sathiyar, S., Rangarajan, M., and Ramachandran, S. Name of the Conference: CHEMCON 2010 Duration of the Conference: December 27-29, 2010 Name of the Organizer: IICHE Conference Venue: Annamalai University, Chidambaram	
		68	Title of the Paper: Modeling of Liquid-Liquid Two-Phase Heat Transfer in Spiral Plate Heat Exchanger Authors: Sathiyar, S., Rangarajan, M., and Ramachandran, S. Name of the Conference: CHEMCON 2010 Duration of the Conference: December 27-29, 2010 Name of the Organizer: IICHE Conference Venue: Annamalai University, Chidambaram	
		69	Title of the Paper: Performance Prediction for Parallel Computations of Streaming Applications on FPGA Platform Authors: Dr.Radha Guha Name of the Conference: Accepted for the Proceedings of 12th International Conference on Computer Modeling and Simulation, UKSIM2010 Duration of the Conference: 2010 Proceedings Published By: Accepted for the Proceedings of 12th International Conference on Computer Modeling and Simulation	
		70	Title of the Paper: Efficient and Scalable Multi-Geography Route Planning to appear Authors: Vidhya Balasubramanian, Dmitri Kalashnikov, Sharad Mehrotra and Nalini Venkatasubramanian Name of the Conference: 13th International Conference on Extending Database Technology (EDBT) Duration of the Conference: Mar 2010	
		71	Title of the Paper: "Financial Market Prediction and Investment Strategy: An Approach Based On Neural Networks" Authors: PN Kumar, Rahul Seshadri. G, Hariharan. A. Name of the Conference: International Conference on Mathematical Computing and Management jointly organized by MACFAST Duration of the Conference: 2010 Name of the Organizer: Conference Venue: Thiruvalla and Dept of	

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		72	Title of the Paper: “Agent based Modeling of Financial Markets” Authors: PN Kumar, Rahul Seshadri.G, Hariharan.A, VP Mohandas , P Balasubramanian Name of the Conference: 2010 IEEE International Conference on Computational Intelligence and Computing Research Duration of the Conference: 2010	
		73	Title of the Paper: Generation of Medical Atlas from Brain MR Images through Segmentation Authors: Ms. Hema P Menon, Mr. Majo John, Dr. K. A. Narayanankutty Name of the Conference: 3rd International Conference on Intelligent and Advanced Systems (ICIAS2010) Duration of the Conference: June 2010	
		74	Title of the Paper: “Enhancing the performance of Wireless Sensor Networks using E-CAR “ Authors : Ananthanarayanan.V, Sabarish.B.A Name of the Conference: International Conference on Innovative Computing Technologies MKCEICT2010 on conducted by M.Kumarasamy College of Engineering, Karur Duration of the Conference: 12th and 13th Feb, 2010 Name of the Organizer: M.Kumarasamy College of Engineering, Karur Conference Venue: M.Kumarasamy College of Engineering, Karur	
		75	Title of the Paper: Feature Based Steganalysis using Wavelet Decomposition and Magnitude Statistics Authors: Gireeshkumar T., Jithin R., Deepa Suresh Name of the Conference: Advances in Computer Engineering (ACE), 2010 International Conference Duration of the Conference: 2010 Name of the Organizer: Conference Venue: Page No: 298–300 Proceedings Published By:	
		76	Title of the Paper: Feature based Classification System for Image Steganalysis Authors: Deepa D. Shankar, Gireesh Kumar T Name of the Conference: International Conference on Computer Communication and	

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		77	Title of the Paper: An Advanced Steganographic Scheme with Diamond Encoding and Morphological Neural Network Authors: Sapna Sasidharan, Sherly A. P., Karthikha N. R., Avani Y., Gireeshkumar T Name of the Conference: Macmillan Advance Research Series Duration of the Conference: Name of the Organizer: Conference Venue: Page No: 3-14 Proceedings Published By:	
		78	Title of the Paper: An Efficient Embedding and Restoration Steganographic Scheme for Secure Multimedia Communication Authors: Gireeshkumar T., Sapna Sasidharan, Sherly A. P., Karthikha N. R., Avani Y Name of the Conference: IEEE Computer Society Duration of the Conference: 2010 Name of the Organizer: Conference Venue: Page No: 361-363 Proceedings Published By:	
		79	Title of the Paper: On-chip FPGA Implementation of Receiver Components Authors: Ramesh.S.R,Abeesh.T,Logesh.S.M Name of the Conference: International Conference on Emerging Trends in Signal Processing and VLSI Design Duration of the Conference: 11-13 June, 2010, Name of the Organizer: Department of ECE, Guru Nanak Engineering College, Ibrahimpatnam Conference Venue: Guru Nanak Engineering College, Ibrahimpatnam Page No: 655-660 Proceedings Published By: Guru Nanak Engineering College, Ibrahimpatnam	
		80	Title of the Paper: Multiple Fault Diagnosis with Improved Diagnosis Resolution for VLSI Circuits Authors: J.P.Anita,P.T.Vanathi Name of the Conference: International conference on Computing,Communication and Networking Technologies (ICCN-2010), Duration of the Conference: 29-31, July, 2010	

			Name of the Organizer: Chettinadu College of Engg.,Karur Conference Venue: Chettinadu College of Engg.,Karur Page No: CD Proceedings Published By: Chettinadu College of Engg.,Karur	
		81	Title of the Paper: High Speed Area Efficient VLSI Structure For Real Time Image Computing Authors: Sumesh E.P and R.Vidhyalavanya , Abithamol V.P, Name of the Conference: International conference on intelligent information system and management (IISM2010) Duration of the Conference: 10th -12 th June 2010 Name of the Organizer: RVS College of Engineering Conference Venue: RVS College of Engineering Page No: 54-59 Proceedings Published By: RVS College of Engineering	
		82	Title of the Paper: Wave Pipelined Array Multiplier Authors: N.Kayalvizhi, Alka Raj, Name of the Conference: International Conference on Advanced Computing and Communication(ICACC -2010) Duration of the Conference: 3rd -4th May 2010. Name of the Organizer: Amal Jyothi College of Engineering, Palai, Kerala; Conference Venue: Amal Jyothi College of Engineering,Palai,Kerala; Page No: 242-246; Proceedings Published By: Amal Jyothi College of Engineering,Palai,Kerala;	
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		85	Title of the Paper: Proposal for an Efficient Reconfigurable Fixed-width Multiplier Authors: D. Gokila, Aswathy Sudhakar Name of the Conference: 12th International Conference on Networking, VLSI and Signal Processing (WSEAS) Duration of the Conference: UK20th-22nd Feb. 2010. Name of the Organizer: CIET Coimbatore, University of Cambridge Conference Venue: CIET Coimbatore, University of Cambridge Page No: ; 79-82; Proceedings Published By: CIET Coimbatore, University of Cambridge	
		86	Title of the Paper: "Modified Baugh-Wooley Multipliers with Optimized Speed Authors: D. Gokila, Aswathy Sudhakar Name of the Conference: International Conference on Intelligent Information Systems & Management (IISM"10), Duration of the Conference: 10th-12th June 2010. Name of the Organizer: RVS College of Engineering Coimbatore Conference Venue: RVS College of Engineering Coimbatore Page No: 19-22; Proceedings Published By: RVS College of Engineering Coimbatore	
		87	Title of the Paper: High-Speed VLSI Implementation of 2-D DWT Using Parallelism and Pipelining Authors: Vidhya Lavanya R, Sumesh E P , Maya Babuji, Name of the Conference: International conference on intelligent information system and management (IISM2010), Duration of the Conference: 10th -12th June 2010.	

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		88	Title of the Paper: Modified Precoding Technique For PAPR Reduction In OFDM System Authors: Sudheesh.P , Namitha.A.S, Name of the Conference: International Conference On Advanced Computing And Communication,(ICACC -2010), Duration of the Conference: 3rd -4th May 2010 Name of the Organizer: Amal Jyothi College of Engineering,Palai,Kerala;. Conference Venue: Amal Jyothi College of Engineering,Palai,Kerala; Page No: 76-82 Proceedings Published By: Amal Jyothi College of Engineering,Palai,Kerala;.	
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		90	Title of the Paper: A Systolic Architecture for Efficient Colour to Grey Scale Conversion and Reconstruction Authors: Ramesh.S.R, Arun Scaria, Badari Nath.D Name of the Conference: First International Conference on Emerging Trends in Signal Processing and VLSI Design Duration of the Conference: 11-13 June, 2010 Name of the Organizer: Department of ECE, Guru Nanak Engineering College, Ibrahimpatnam Conference Venue: Page No: Proceedings Published By:	
		91	Title of the Paper: Discrete state space channel modeling and channel estimation using Kalman filter for OFDMA systems	

			Authors: S.Kirthiga, Geethu.T.K, M.Jayakumar Name of the Conference: WSEAS 12th International Conference on Networking, VLSI and Signal Processing, ICNVS 2010 Duration of the Conference: Feb 18 - 20, 2010 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		92	Title of the Paper: Fast, High Performance, Low Complexity Polymorphic Wavelet Architecture Using Reconfigurable Hardware Authors: R.Lavanya, B.Saranya Name of the Conference: Intelligent Information Systems and Management, IISM 2010 Duration of the Conference: 10th-12th, June 2010 Name of the Organizer: Conference Venue: RVS College of Engineering and Technology, Tamil Nadu Page No: Proceedings Published By:	
		93	Title of the Paper: Preemption Control using Frequency Scaling in Fixed Priority Scheduling Authors: Ms. Anju.S.Pillai et al Name of the Conference: 8th IEEE International Conference on Embedded and Ubiquitous Computing-IEEE/IFIP 2010 Duration of the Conference: 11 to 13, 2010. Conference Venue: : Hong Kong SAR, China	
		94	Title of the Paper: Computation of Resonant Frequency of Electrically Thin and Thick Rectangular Patch Antenna Using Emotional Back Propagation Network Authors: G.C.V.Bharadwaj, D.Prasanna Vadana and V.Vanitha Name of the Conference: International Conference and Workshop on Emerging Trends in Technology(ICWET) Duration of the Conference: Feb 26-27,2010 Conference Venue: : Thakur College of Engineering and Technology,Mumbai Page No: pp.834-837 Proceedings Published By:	
		95	Title of the Paper: A Novel Backpropagation Network for Character Recognition Authors: Ms. D.Prasanna vadana et al Name of the Conference: international conference on Systemics, Cybernetics, Informatics (ICSCI 2010) Duration of the Conference: Jan 2010	

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		96	Title of the Paper: A Modification Of Feedback Linearizing Controller For Systems With Unstable Zero Dynamics Authors: Sangeetha G.R., Sarath S.Nair et al Name of the Conference: International Conference on control, communication and computing-ICCC 2010 Duration of the Conference: February 2010 Conference Venue: : College of engineering, Trivandrum	
		97	Title of the Paper: Analysis and Synthesis of Square Patch Antenna parameters using Derivative-based Optimization Networks Authors: Ganesh Bharadwaj CV, Prasanna Vadana.D Name of the Conference: ", IEEE proceedings of the 2010 international Conference on recent trends in Information, Telecommunications and Computing (ITC2010) Duration of the Conference: Mar 2010 Conference Venue: : Kochi, India Page No: pp.196-199	
		98	Title of the Paper: A Preliminary Investigation on Control Requirements in an Integrated Renewable Energy System Authors: Vaidyanath Raman, Sivaprasad K G and Sasi K Kottayil Name of the Conference EPSCICON 2010 Duration of the Conference: 3-6 Jan 2010 Conference Venue: Thrissur	
		99	Title of the Paper: Direct predictive current control of grid connected neutral point clamped inverter for wave power extraction Authors: Krishna R., Kottayil S. K., Leijon M. Name of the Conference :Int Symp on Power Electronics, Electrical drives, Automation and Motion (SPEEDAM 2010), PEC0565 Duration of the Conference: June 14-16, 2010. Conference Venue: Italy	
		100	Title of the Paper: Predictive Current Controller for a Grid Connected Three Level Inverter with Reactive Power Control Authors: Krishna R., Kottayil S. K., Leijon M., Name of the Conference : IEEE Workshop on Control and Modeling for Power Electronics, University of Colorado, Boulder, CO, USA, Duration of the Conference: June 28-30, 2010 Sivraj P, R. Shanmugha Sundaram, S. Adarsh, "Design and Implementation of Windows CE 6.0 based Vehicle Management System GUI", Proceedings of the International Conference on	

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		10 1	"Title of the paper : “The relevance of Sri Aurobindo’s ‘The Upanishads’ in the 21st century multilingual world””. Authors : Dr.Harini Jayaraman & MS.M.G.Priya Name of the Conference :International Conference on “The Role of Translation in Nation Building”. Venue : New Delhi, Organised By: Indiantranslators Association&Lingualndia	
		10 2	Title of the paper : Sri Aurobindo: Inaugurator of Modern Indian Criticism Authors : Dr. Harini Jayaraman Name of the conference : Seminar on “Re-Reading Sri Aurobindo” Venue : Pondicherry University, Pondicherry	
		10 3	Title of the paper : “Blogging & Podcasting for English Language Teaching” Authors : Ms K A Krishnalalitha Name of the conference : Venue :Kongu Engineering College, perundurai, Erode.	
		10 4	Title of the Paper: Barrier Properties Of Dna-Protein Bio-Nanopores Using Monte Carlo Simulation Technique Authors: OS. Deepa Gopakumar, Simi M Sabu, Suchithra M.S., Radhagayathri K.U., Sathyamoorthy. S,Krishnan Namboori P.K Name of the Conference: TECHSYM 2010, IIT Kharagpur, IEEE 2010 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		10 5	Title of the Paper: Quantum Mechanical Charecterization Of Single Walled Carbon Nanotube (Swcnt) To Evaluate Stability And Conductivity Authors: OS. Deepa Gopakumar, Anirudh Ranganath, Ashish.G, Varun Gopal.K, K. Narayanan Kutty, Krishnan Namboori P.K, Name of the Conference: IEEE Xplorer, ACE 2010.79, (2010) Duration of the Conference: Name of the Organizer: Conference Venue: Page No: 39-42 Proceedings Published By:,	

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		10 7	Title of the Paper: Application of hybrid adaptive filters for stock market prediction Authors: Binoy.B.Nair, Dr.Mohandass,Sakthivel. N.R. Name of the Conference: International conference on Communication and computational intelligence Duration of the Conference:2010 Dec 27-29 Name of the Organizer:Kongu engg college,Erode Page No:443-447 Proccedings published by: IEEE Explorer(On line)	
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		10 9	Title of the Paper: Productivity improvement of a manufacturing industry using Value Stream Mapping (VSM) approach: A case study in a discrete manufacturing sector Authors: K. Rameshkumar, V.T.Ciby Austin, P.Krishnakumar, A.Sumesh, S.P.Anbuudya sankar Name of the Conference: ORSI 2010 Duration of the Conference: December 15-17, 2010 Name of the Organizer: ORSI Conference Venue: TCE, Madurai Page No: Proceedings Published By: : ORSI	
	National Conference	1.	Title of the Paper: Transforming a Supply Chain through innovation	

	(Proceedings)		Authors: Prashant R.Nair Name of the Conference: Interactive conference on 3PL perspectives Duration of the Conference: 22 July, 2010 Name of the Organizer: Confederation of Indian Industry (CII) and CII Institute of Logistics at Hotel Residency Conference Venue: Coimbatore Page No: Proceedings Published By:	
		2	Title of the Paper: Enterprise Networking tools for Supply Chain Management Authors: Prashant R.Nair Name of the Conference: National Conference on "Networking Paradigms and Cyber Security Duration of the Conference: 14th August, 2010 Name of the Organizer: IETE South Zonal seminar, Coimbatore Conference Venue: Page No: Proceedings Published By:	
		3	Title of the Paper: A hierarchical fault detection and recovery in a computational grid using watchdog timers Authors: Bhagyashree AH, Deepthi Pradeep, Jayanthi N, Mounica KV, Nivejaa S and Saranya Dharani Name of the Conference: Networking Paradigms and Cyber Security" organized as part of IETE South Zonal seminar, Coimbatore Duration of the Conference: 14th August, 2010 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		4	Title of the Paper: Fast vertical handoff with media independent handover function and horizontal handoff using fast binding algorithm Authors: Bhagyashree AH, Naveen S, Swetha S, Vasantha Kumar V, Vyshak K, Alekya Y Name of the Conference: National Conference on "Networking Paradigms and Cyber Security Duration of the Conference: 14th August, 2010 Name of the Organizer: Conference Venue: IETE South Zonal seminar, Coimbatore Page No: Proceedings Published By:	
		5	Title of the Paper: "Implementation of Collaborative Robotics of Live Human Bodies in a Disastrous Environment using Wireless	

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		6	Title of the Paper: “A Comparative Study on Theoretical and Empirical Evolution of Population Variance of Differential Evolution Variants” Authors: G.Jeyakumar and C.Shunmuga Velayutham Name of the Conference: Lecture Notes in Computer Science (LNCS-6457) Springer Verlag Berlin Heidelberg 2010 Duration of the Conference: 2010 Name of the Organizer: Conference Venue: K.Deb et al. (Eds) Page No: 75-79 Proceedings Published By:	SCOPUS listed
		7	Title of the Paper: “Empirical Study on Migration Topologies and Migration Policies for Island Based Distributed Differential Evolution Variants, Authors: G.Jeyakumar and C.Shunmuga Velayutham Name of the Conference: ”, Lecture Notes in Computer Science (LNCS-6466), Springer-Verlag Berlin Heidelberg Duration of the Conference: 2010. Name of the Organizer: B.K.Panigrahi et al. (Eds.) Conference Venue: Page No: . 29-37 Proceedings Published By:	SCOPUS listed
		8	Title of the Paper: “Analyzing the Explorative Power of Differential Evolution Variants on Different Classes of Problems Authors: G.Jeyakumar and C.Shunmuga Velayutham Name of the Conference: ”, Lecture Notes in Computer Science (LNCS-6466), Springer-Verlag Berlin Heidelberg Duration of the Conference: 2010 Name of the Organizer: B.K.Panigrahi et al. (Eds.)	SCOPUS listed

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		9	Title of the Paper: “ Social computing in universities: an evaluation of practicality” Authors: V. Smrithi Rekha, Vidhya Balasubramanian, V. Adinarayanan Name of the Conference: Proceedings of the 1st Amrita ACM-W Celebration on Women in Computing in India Duration of the Conference: Sep - 2010 Name of the OrganizerACM Conference Venue: Amrita Vishwa Vidyapeetham, Ettimadai. Article :27 Page No: 1-6 Proceedings Published By: 1st Amrita ACM-W Celebration on Women in Computing in India	
		10	Title of the paper :Introduction to synthesis of nano materials by different techniques. Authors: Dr.N.Poongothai "Conference :National Conference on Current trends in Chemistry NCCTC-10, in Bharathiar University, Coimbatore.	
		11	Title of the paper :Corrosion inhibition of essential oils on copper in seawater, rain water, SO2 and H2S environments Authors: Dr.N.Poongothai "Conference :National Conference on Recent Advances in Electroanalytical Techniques in Gandhigram Rural Institute- Deemed University, Gandhigram.	
		12	Title of the paper : Linear Hydrogen bonded Liquid crystal Homologues Series: Study of Ambient Smectic Ordering Authors: Mr.K.Murugadass, V.N.VijyaKumar Conference :17 th National Conference on Liquid Crystals , Veer Narmad South Gujarath University.	
		13	Title of the Paper: Effect Of Non-Coding Rna On Post-Transcriptional Gene Silencing Of Alzheimer Disease Authors: OS. Deepa Gopakumar, Krishnan Namboori P.K, Arun Mohan, K.U. Radhagayathri, Varun Gopal K, Vasavi C.S, Premkumar.P, , K.I Ramachandran Name of the Conference: Nature Precedings, 10101/npre, 2010. 4467. 1, 2010 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	

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		15	Title of the Paper: Soft Core Processors Authors: D.Prasanna vadana Duration of the Conference: 5/3/2010 Conference Venue: SNS College of Technology	
		16	Title of the Paper: Reactive power compensation in a Grid connected wind electric generator using STATCOM Authors: V.Vanitha, Amrish Raj and A.S.Sandeep Name of the Conference: Proceedings of National Conference on Power Quality Duration of the Conference: 10th March 2010	
		17	Title of the Paper: Genetic Algorithm for Security enhancement including TCPS Authors: Lekshmi R.R., Dr. D. Devaraj Name of the Conference: National conference on Power Instrumentation, Control and Computing (PICC 2010) Duration of the Conference: 4-6 March, 2010. Name of the Organizer: Conference Venue: Government college of engineering, Thrissur	
		18	Title of the Paper: Speech CODEC for Single Channel Application Using Networks Authors: Ramesh.S.R, B.Mohan Kumar Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 9-12 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		19	Title of the Paper: Evolving Artificial Neural Networks Using PSO and GA Authors: Dr.M.Nirmala Devi, N.Mohan Kumar, Aravind Babu.S, Anoop.G.Pillai, Rohini.P.A, Sriram.N, Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of	

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		20	Title of the Paper: Speaker Identification Using Support Vector Machines. Authors: C.Santhosh Kumar, Ekalavya Mehta, Arun.S. Nair, Sujeeth Saravanan Raj, Vijay Rajora. Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 30-32 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		21	Title of the Paper: Self-Growing RBFNN Using PSO and SVM for Efficient Classification. Authors: N.Sathya Priya, T.Arun Kumar, R.S.Gopalakrishnan, L.Thaneshwaran, P.Yuvaraj, N.Valliyappan. Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 33-36 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		22	Title of the Paper: Simultaneous Evolution of Structure and Weights of Artificial Neural Network Using an Improved PSO Algorithm for Pattern Classification. Authors: Dr.M.Nirmala Devi,N.Mohan Kumar,Venkat Vishwanathan,Viknesh.V, Ashish Batnagar, R.Bhagavathirajan, Deepak.K.V,Thirukumar.P. Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 37-40 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	

		23	Title of the Paper: Optimization of Self Structuring Antennas Using feed Forward Neural Network with Improved Genetic Algorithm Authors: N.Mohan Kumar,Ganapathy Raman.K, Kharan.S.d, Shri Hari R.R, Balasubramanian.R Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 43-46 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		24	Title of the Paper: Cognitive Radio Sensing Using Hilbert Huang Transform Authors: Dr.K.A.Narayanan Kutty, Abhijith A.Nair, Dilip Soori, Deepak Pradeep.T, V.Ravi Teja, Vishnu Karthick.B. Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 47-50 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		25	Title of the Paper: Decision Direct Channel Estimation and IQ Imbalance Compensation in OFDM Receivers. Authors: P.Sudheesh, Ravi.S, Rishikesh Kamath.B, Suhaas Bhargava.A, S.Aishwarya, S.V.Manohj. Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) Duration of the Conference: Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 51-54 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		26	Title of the Paper: An Efficient Power Allocation Scheme for MIMO-OFDM Based Wireless LANs Authors: R.Deepa, K.Karthik, Meera VIjayakumar, V.Senthil Kumar, B.Sidharth	

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		27	Title of the Paper: Efficient Spectral Estimation with Slepian tapers in Cognitive Environment: A Review Authors: K.P.Soman, R.Gandhiraj, Silpa.S.Prasad Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 59-62 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		28	Title of the Paper: Non-Linear Distortion Analysis and Computation of BER in BPSK OFDM Sytem. Authors: Dr.M.Jayakumar, Amrita Mishra, Anand.S, Ashmitha.G, Padma.N, Pavitra Pratim Pandhi. Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 63-66 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		29	Title of the Paper: Signal Detection in Software Defined Radar – A Mathematical Approach Authors: R.Ramanathan,Deepthi Maheswari Chinnam,Madhusoodhan,,J, Nandhini.C, Prathyusha.S.N, Sowmiya.S Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of	

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		30	Title of the Paper: Fractional Frequency Recus Technics to Mitigate Inter Cell Interference in OFDMA Systems. Authors: S.Kirthiga, Bhagyesh Balakrishnan, Geethu.T.K, Nithin Govindan Kutty, Priyanka Pradeep, Vishal Karnani. Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 64-66 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		31	Title of the Paper: Detection and Classification of Signals to Configure Software Defined Radio Authors: K.P.Soman, R.Gandhiraj, Abhinav Puneeth Polisetty, Anil Kumar Achuthan Kutty, Naveen Karthika, Prathiba.N, Rosen Roy Mathew. Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 75-77 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		32	Title of the Paper: A New Space Time Block Codes with Non Vanishing Determinants Authors: K.Pargunarajan, Kiran Sanjeevan, Ponmathavan.S, Priya.R, Rohith.S Menon, Sabareesan.M.S, Vidyasagar.V Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 78-81 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
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		34	Title of the Paper: Estimation of Direction of Arrival for Phased Array Antenna Based on Phase Shift Method Authors: Dr.M.Jayakumar,G.Prabha, Abhrami.M, Vinay Jain, Rinu Nandakumaran Nair, Pavya.S, Sudharshan.V.E, Varadharaju.G, Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 127-129 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		35	Title of the Paper: Study on Implimentation of High Altitude Wireless Communication Using Ballooned Base Transciever Station. Authors: Dr.M.Jayakumar ,Atul Srivatsan, N.Karthikeyan, P.Ravi Theja Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 130-132 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		36	Title of the Paper: Multiple Fault Diagnosis in Digital Circuits Using Binary Decision Diagrams Authors: J.P. Anita, Balaji.R, Madhushan.M, Mehul Agarwal, Priyadarsan.K, Sivakumar.G, Uva Prasath.T.J Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10)	

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		37	Title of the Paper: Implimentation of Power Measuring Algorithm Using VHDL-AMS Authors: S.Adarsh, G.Aravind Raj, P.Micky Manoj, S.Mohankumar, A.Rakesh, S.Chindu, C.Sharmilee Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 166-169 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		38	Title of the Paper: Implimentation of Runtime Reconfigurable Integer Point Multipliers Authors: D.Gokila, N.R.Arun Subramaniam, D.Madhavan, V.Prathyusha, M.Shriraam, D.Vandana. Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 170-173 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		39	Title of the Paper: C0mputational BIO MEMS Analysis of Molecular Motors as Targets for Cancer Therapy Authors: B.Sbarish Narayanan, P.K.Krishnan Namboori, Varun Gopal,.K, K.U.radha Gayathri, Vasavi.C.S, Bharath Parimalam. Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 185-188 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		40	Title of the Paper: Condition Monitoring of Control Valves : A Rough Set Based Approach Authors: Binoy.B.Nair, Dhanya Babu,	

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		41	Title of the Paper: Spectral and Modulation Features for Text Independent Speaker Identification Authors: Nagendhiran.C.V, Anand.R, Aishwarya.S, Dharshana.G, Kamalesh.S, Ganesh Jayakumar Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'10) : Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 227-231 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		42	Title of the paper : Speech CODEC For Single Channel Applications Using LABVIEW Authors : Ramesh.S.R and B.Mohan Kumar Conference : RTCSP 2010	
		43	Title of the paper : Evolving Artificial Neural Networks Using PSO and GA Authors : Mohan Kumar N, Dr.M.Nirmala Devi, Aravind Babu S, Anoop G.Pillai, Rohini P.A and Sriram.N Conference : RTCSP 2010	
		44	Title of the paper :Speaker Identification Using Support Vector Machines Authors : C.Santhosh Kumar, Eklavya Mehta, Arun S. Nair, Sujeeth Saravan Raj S and Vijay Rajora Conference : RTCSP 2010	
		45	Title of the paper : Self-Growing RBFNN Using PSO and SVM for Efficient Classification Authors : N.Sathya Priya, T.Arun Kumar, R.S.Gopalakrishnan, L.Thaneshwaran, P.Yuvaraj and N.Valliappan Conference : RTCSP 2010	
		46	Title of the paper :Simultaneous Evolution of Structure and Weights of Artificial Neural Network Using an Improved PSO Algorithm for	

			Pattern Classification Authors : Mohan Kumar N, M.Nirmala Devi, Venkat Vishwanathan, Viknesh V, Ashish Bhatnagar, R.Bhagavathirajan, Deepak K.V and Thirukumar P Conference : RTCSP 2010	
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		51	Title of the paper :Signal Detection in Software Defined Radar- A Mathematical Approach Authors :Ramanathan R, Deepthi Maheswari Chinnam, Madhusudhan J, Nandhini C, Prathyusha S.N, and Sowmiya Sw Conference : RTCSP 2010	
		52	Title of the paper :Estimation of Direction of Arrival for Phased Array Antenna Based on Phase Shift Method Authors : M.Jayakumar, Abirami M, Vinay Jain, Rinu Nandakumaran Nair, Pavya S, Sudharshan V.E, Varadaraju.G and G.Prabha Conference : RTCSP 2010	
		53	Title of the paper :Study on Implementation of High Altitude Wireless Communication Using Ballooned Base Transceiver Station Authors : M.Jayakumar, Atul Srivatsan, N.Karthikeyan,P.Ravi Teja, G.Srikar and K.B.Aditya	

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		54	Title of the paper :Implementation of Power Measuring Algorithm Using VHDL- AMS Authors : S.Adarsh, G.Aravind Raj, P.Micky Manoj, S.Mohankumar, A.Rakesh, S.Chindhu and C.Sharmilee Conference : RTCSP 2010	
		55	Title of the paper :Implementation of Runtime Reconfigurable Integer point Multipliers Authors : D.Gokila, N.R.Arun Subramaniam, D.madhavan, V.Prathyusha, M.Shriraam and D.Vanthana Conference : RTCSP 2010	
		56	Title of the paper :Computational BIO MEMS Analysis of Molecular Motors as Targets for Cancer Therapy Authors : B.Sabarish Narayanan, Varun Gopal K, K.U.Radhagayathri, Vasavi C.S, Bharath Parimalam, and P.K.Krishnan Namboori Conference : RTCSP 2010	
		57	Title of the paper :Condition Monitoring of Control Valves: A Rough Set Based Approach Authors : Binoy B.Nair,Dhanya Babu, Krishna K.R, Shamin Sebastian, Srirag Kerachan and Nivetha.N Conference : RTCSP 2010	
		58	Title of the Paper: Interactive Web Television Authors: Arun Kumar C, Yogeshwaran R, Deepika M S, Hema A and Ankur Nair Name of the Conference: National Conference on Information, Networking and Communication Technologies 2010 Duration of the Conference: 16 and 17 April, 2010 Name of the Organizer: Conference Venue: Dr. Mahalingam College of Engineering and Technology, Pollachi Page No: Proceedings Published By:	
		59	Title of the Paper: "Design of Wi-Fi Connectivity for a Campus Network – A Case Study Approach" Authors: Ananthanarayanan.V, Shree Karthic.C Name of the Conference: Proceedings of the Second National Conference on Recent Trends in Communication and Signal Processing (RTCSP '10) Duration of the Conference: Mar 2010	
		60	Title of the Paper: Invariant Generation for color Image Reconstruction Authors: Nalinadevi K, Sreeja Kunnath Illath Name of the Conference: National Conference on Communication, Networking and Computing at CIT, Coimbatore	

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		61	Title of the Paper: Malware Detection by observing program behaviour Authors: Nalinadevi.K, Vijay Kumar Chitturi, Raghava Rao Koduri Name of the Conference: National Conference on Communication, Networking and Computing at CIT, Coimbatore Duration of the Conference: 2010 Conference Venue: Networking and Computing at CIT, Coimbatore	
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		65	Title of the Paper: Audio Visual Based Pronunciation Dictionary for Indian Languages Authors: Kathirvel Palanisamy,Attassery Manoj	

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		67	Title of the Paper: An innovative method of balancing chemical equation by treating it as an optimization problem Authors: P.K.Krishnan Namboori and G.Narayanan Nair Name of the Conference: 2010 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
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		70	Title of the Paper: Computational modeling of liquid crystal polymers(LCP) to identify biochemical properties Authors: Abhayalakshmi M.B., Anjali A.E.,Krishnan Namboori P.K Name of the Conference: Duration of the Conference: 2010 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		71	Title of the Paper: Mathematical characterization of cancer gene using wavelet Authors: JohnStanley,KrishnanNambooriP.K.,DeepaGopakumar,K.I.Ramachandran Name of the Conference: Duration of the Conference: 2010 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
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		6	Title of the Paper: Saliency based visual tracking of vehicle Authors: Amudha J and KP Soman Name of the Journal: International Journal of Recent Trends in Engineering Month and Year of Publication: November 2009 Volume No. 2, No:2 Page No. 114-116	
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		9	Title of the Paper: Control of Heavy Duty Gas Turbine Plants for Parallel Operation Using Soft Computing Techniques Authors: S.Balamurugan, R.Joseph Xavier, A.Ebenezer Jeyakumar Name of the Journal: Electric Power Components and Systems Month and Year of Publication: Nov, 2009, ISSN 1532-5008. -----0.43	
		10	Title of the Paper: An ANN controlled three- phase auto-tuned passive filter for harmonic and reactive power compensation Authors: Sindhu.M.R., Manjula.G.Nair, T.N.P.Nambiar Name of the Journal: Journal of Power Electronics Month and Year of Publication: May 20,2009 Volume No. Vol.9,No.3 Page No. pp.403-409-----1.334	
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		13	Title of the Paper: Software Agents for Supply Chain Management Authors: Prashant R.Nair Name of the Journal: International Journal of Decision Making in Supply Chain and Logistics Month and Year of Publication:2009 Volume No.	

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		14	Title of the Paper: Unified Heuristics to Solve Routing Problem of Reverse Logistics in Sustainable Supply Chain Authors: Anbuudayasankar, S.P., Ganesh, K., Lenny Koh, S.C. and Mohandas, K. Name of the Journal: International Journal of Systems Science Month and Year of Publication: Volume No. 41 Page No. 337-351	0.918
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		24	Title of the Paper: “Evaluation of SVD and NMF methods for Latent Semantic Analysis” Authors: Rakesh Peter, Shivapratap G, Divya G, Soman KP Name of the Journal: International Journal of Recent trends in Engineering, Academy Publishers, Finland	

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		25	Title of the Paper: "Singular Value Decomposition- A Classroom Approach," Authors: Soumya VJ, Sumya T Soman, Soman KP Name of the Journal: International Journal of Recent trends in Engineering, Academy Publishers, Finland Month and Year of Publication: 2009 Volume No. Page No.	
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		67	Title of the Paper: Reliable Distortion less JPEG Image Transmission over MIMO Systems using Antenna Selection Authors: R.Deepa Name of the Journal: International Journal of Applied Engineering and Research Month and Year of Publication: Volume No. Vol 3, Page No. 1267-1273.	
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		69	Title of the Paper: Performance Analysis of Edge Detection Methods on Hexagonal Sampling Grid Authors: P.Vidya, S.Veni and K.A.Narayanankutty Name of the Journal: International Journal of Electronics Engineering and Research (IJEER), Research India publications Month and Year of Publication: 2009 Volume No. Volume 1, Number 4, Page No. 313–328	
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			Computer and Information Science CCIS 40, IC3 2009 Month and Year of Publication: ISSN: 1865-0929 Springer-Verlag, Berlin Heidelberg 2009 Volume No. Page No. 37–48	
		71	Title of the Paper: Study Of Spatial Diversity Schemes In Multiple Antenna Systems Authors: R.Deepa and Dr.K.Baskaran Name of the Journal: Journal of Applied Theoretical and Information Technology (JATIT), Month and Year of Publication: May 2009 Volume No. Vol.5, No.5, Page No.	SCOPUS listed
		72	Title of the Paper: Effect of wind speed changes on Grid power quality at various levels of Wind Electric Penetration-A Laboratory Investigation Authors: V.Vanitha and Dr.N.Devarajan Name of the Journal: International Journal of Recent Trends in Engineering Month and Year of Publication: May 2009 Volume No. Vol. 1,No.4 Page No.	
		73	Title of the Paper: Graph Mates Authors: Dr.K.Somasundaram Name of the Journal: Electronic Notes in Discrete Mathematics, Month and Year of Publication: 2009 Volume No. Vol.33, Page No. 37-41	Scopus
		74	Title of the Paper: Mixed-Integer Linear Programming for Vehicle Routing Problem with Simultaneous Delivery and Pick Up with Maximum Route-Length Authors: Anbuudayasankar, S.P., Ganesh, K. and Mohandas, K. Name of the Journal: International Journal of Applied Management Technology Month and Year of Publication: Volume No.6 Page No.31-50	
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		78	Title of the Paper: Quantum Non-Locality and Universe Authors: Achuthan. P and Narayanankutty Karuppath Name of the Journal: Cornell University archives in Physics Month and Year of Publication: 2009 Volume: Pages: 1414	
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		80	Title of the Paper: Study of silicon nanofibrous structures formed by femtosecond laser irradiation in air Authors: Sivakumar, M., Bo Tan, Krishnan Venkatakrishnan Name of the Journal: Optic Express Month and Year of Publication: 2009 Volume: 17, 16	3.28
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		86	Title of the Paper: Corrosion Inhibition of Mild Steel by Essential Oils in HCl Environment Authors: Poongothai. N., T. Ramachandran Name of the Journal: Material Performance Journal Month and Year of Publication: Sep 2009 Volume No. Page No. 52-57	
		87	Title of the Paper: Development of highly sensitive non-enzymatic sensor for the selective determination of glucose and fabrication of a working model Authors: Satheesh Babu T. G., T. Ramachandran Name of the Journal: Electrochimica Acta 55 (2010) Month and Year of Publication: Volume No. Page No. 1612-1618	

		88	Title of the Paper: Environment friendly acid corrosion inhibition of mild steel by Ricinus communis Leaves Authors: Saratha.R., N.Kasthuri, P.Thilagavathy Name of the Journal: Der Pharma Chemica Month and Year of Publication: Dec. 2009 Volume No. 1(2) Page No. 249-257	
		89	Title of the Paper: Single Step Modification of Copper Electrode for the Highly Sensitive and Selective Non-enzymatic Determination of Glucose Authors: Satheesh Babu T G, Ramachandran T, Bipin Nair Name of the Journal: Microchimica Acta (Springer Publishers) Month and Year of Publication: 2009 Volume No. Page No.	Impact factor 1.91
	National Journal	1.	Title of the Paper: Overview of Information Technology Tools for Supply Chain Management Authors: Prashant R.Nair, Venkitswamy Raju and S P Anbuudayashankar Name of the Journal: CSI Communications Month and Year of Publication: December, 2009 Volume No. Vol 33, No: 9 Page No. 20-27	
		2.	Title of the Paper: Point and Arc-Reaching Sets of Vertices In A Digraph Authors: B.D. Acharya, Germina K. A., Kumar Abhishek, S. B. Rao, Thomas Zaslavsky Name of the Journal: Indian Journal Of Mathematics. Month and Year of Publication: Dec. 2009 Volume No. 3 Page No. 597 - 609	
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		6	Title of the Paper: CORE: a heuristic to solve a vehicle routing problem with mixed delivery and pick-up Authors: Anbuudayasankar, S.P., Ganesh, K. and Mohandas, K. Name of the Journal: The ICFAI University Journal of Supply Chain Management Month and Year of Publication: Jul-18 Volume No.V Page No.	
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		4	Title of the Paper: A Support Vector Machine approach for efficient facial expression recognition Authors: R.Ramanathan,Arun S.Nair,V.Vidhyasagar,N.Sriram,K.P.Soman Name of the Conference: International Conference on Advances in Recent Technologies in Communication and Computing – ARTCom 2009 Duration of the Conference: 27-28 Oct 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By: archived in IEEE Xplore.	
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		8	Title of the Paper: Robust Feature Extraction Technique for Optical Character Recognition Authors: R. Ramanathan, K. P. Soman Name of the Conference: International Conference on Advances in Computing , Control and Telecommunication Technologies – ACT 2009 Duration of the Conference: 28-29 Dec 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By: archived in IEEE Xplore.	
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		10	Title of the Paper: Performance Evaluation of Information Theoretic Image Fusion Metrics over Quantitative Metrics Authors: Arathi. T, K. P. Soman Name of the Conference: International Conference on Advances in Recent Technologies in Communication and Computing, ARTCom 2009 Duration of the Conference: Name of the Organizer: Conference Venue: Kottayam, Kerala	

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		11	Title of the Paper: Daubechies-Lagarias Algorithm – A Simplified Approach Authors: Arathi.T, K.P. Soman Name of the Conference: International Conference on Advances in Computing, Control and Telecommunication Technologies, ACT 2009 Duration of the Conference: Name of the Organizer: Conference Venue: Trivandrum, Kerala. Page No:	
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		12	Title of the Paper: Framelet-based Image Fusion for the Enhancement of Cloud-associated Shadow Areas in Satellite Images Authors: Mallika.k, Arathi.T, KrishnaRao G.V, K.P. Soman Name of the Conference: International Conference on Advances in Computing, Control and Telecommunication Technologies, ACT 2009 Duration of the Conference: Name of the Organizer: Conference Venue: Trivandrum, Kerala Page No:	
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		13	Title of the Paper: Thermogravimetric analysis of the co- combustion of coal and selectiveâ industrial sludges, Authors: P. Ramesh Name of the Conference: International Conference on Challenges in Biotechnology and Food Technology (ICBF 2009), Name of the Organizer: Annamalai University, Conference Venue: Chidambaram	
		14	Title of the Paper: Development of a methodology for the selection of a compatible cement – superplasticizer combination Study of the flow behavior of superplasticized paste and concrete Authors: C. Jayasree and Ravindra Gettu Name of the Conference: National Conference on concrete , steel, composites Duration of the Conference: 24-25/4/09 Name of the Organizer: GCT, Coimbatore Conference Venue: Page No:	
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		15	Title of the Paper: A Communication Centric Embedded Architecture (ACCESA)	

			Authors: Dr.Radha Guha Name of the Conference: In Proceedings of IEEE CS, First International Conference on Computational Intelligence, Communication Systems and Network, Duration of the Conference: July 2009 Page No: 436-441 Proceedings Published By: In Proceedings of IEEE CS	
		16	Title of the Paper: Toward The Intelligent Web Systems Authors: Dr.Radha Guha Name of the Conference: In Proceedings of IEEE CS, First International Conference on Computational Intelligence, Communication Systems and Network Duration of the Conference: July 2009 Page No: 459-463 Proceedings Published By: In Proceedings of IEEE CS	
		17	Title of the Paper: The Changing Trend of User Applications and Operating System Design Objectives for Parallel Computing by Reconfigurable FPGAs Authors: Dr.Radha Guha Name of the Conference: In Proceedings of IEEE XPLORE, World Congress on Nature and Biologically Inspired Computing, Nabic 2009 Duration of the Conference: Dec 2009 Conference Venue: Nabic 2009 Proceedings Published By: In Proceedings of IEEE XPLORE	
		18	Title of the Paper: Modeling and Predicting Stock Returns using the ARFIMA-FIGARCH - A case study on Indian Stock data Authors: P. Bagavathi Sivakumar and V.P. Mohandas Name of the Conference: 8th International Conference on Computer Information Systems and Industrial Management Applications (CISIM-2009) in conjunction with 2009 World Congress on Nature and Biologically Inspired Computing (NaBIC 2009) Page No: 896-901	
		19	Title of the Paper: "An Empirical Comparison of Differential Evolution Variants for High Dimensional Function Optimization" Authors: G.Jeyakumar C.Shanmuga Velayutham Name of the Conference: international conference on Agent and Multi-Agent systems (IAMA'09) Duration of the Conference: 24th July 2009.	

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		20	Title of the Paper: “A Comparative Performance Analysis of Differential Evolution and Dynamic Differential Evolution Variants,” Authors: G.Jeyakumar C.Shanmuga Velayutham Name of the Conference: World Congress on Nature and Biologically Inspired Computing (NaBIC 2009) Duration of the Conference: December 9 – 11 ‘2009 Page No: 463-468 Proceedings Published By: Conference Proceeding(IEEE)	
		21	Title of the Paper: “A Comparative Performance Analysis of Multiple Trial Vectors Differential Evolution and Classical Differential Evolution” Authors: G.Jeyakumar C.Shanmuga Velayutham Name of the Conference: International Conference on Rough Sets, Fuzzy Sets, Data Mining and Granular Computing (RSFDGrC09), IIT-Delhi Duration of the Conference: December 16 – 18’ 2009 Conference Venue: IIT-Delhi Page No: 470-477 Proceedings Published By: IIT-Delhi	
		22	Title of the Paper: “Performance and Scalability Analysis of Differential Evolution Variants on a Suite of High Dimensional Benchmark Functions,” Authors: G.Jeyakumar C.Shanmuga Velayutham Name of the Conference: International Conference on Mathematical and Computational Models, PSG College of Technology, Coimbatore Duration of the Conference: December 21 – 28 ‘2009 Conference Venue: PSG College of Technology, Coimbatore Page No: 321 - 329 Proceedings Published By: Proceedings - Narosa Publications. “Mathematical and Computational Models – Recent Trends”	
		23	Title of the Paper: A Study on Genetic Algorithm Based Video Abstraction System Authors: C. Shunmuga Velayutham D. K. Ashwin Raju Name of the Conference: Proceedings of the First World Congress on Nature and Biologically Inspired Computing (NaBIC 2009) held in conjunction with 8th International Conference on Computer Information Systems and Industrial Management Applications (CISIM	

			2009), Coimbatore Duration of the Conference: Dec 2009 Conference Venue: Computer Information Systems and Industrial Management Applications (CISIM 2009), Coimbatore Proceedings Published By: Proceedings of the First World Congress on Nature and Biologically Inspired Computing (NaBIC 2009) held in conjunction with 8th International Conference	
		24	Title of the Paper: A Preliminary Investigation on the Efficacy of Genetic Algorithms for Video Abstraction Authors: C. Shunmuga Velayutham and D. K. Ashwin Raju Name of the Conference: Proceedings of the International Conference on Signal and Image Processing (ICSIP 2009), Mysore, India Duration of the Conference: 2009 Conference Venue: Signal and Image Processing (ICSIP 2009), Mysore, India Proceedings Published By: : Proceedings of the International Conference	
		25	Title of the Paper: Towards generating Irrevocable key for Cryptography from Cancelable fingerprints Authors: N.Lalithamani & Dr.K.P.Soman Name of the Conference: 2nd IEEE Int. conference on Computer Science and Information Technology-ICCSIT2009 Duration of the Conference: 2009 Conference Venue: 2nd IEEE Int. conference on Computer Science and Information Technology-ICCSIT2009 Page No: 563-568 Proceedings Published By: 2nd IEEE Int. conference on Computer Science and Information Technology-ICCSIT2009	
		26	Title of the Paper: An Efficient Approach for Non-Invertible Cryptographic Key generation from Cancelable Fingerprint Biometrics Authors: N.Lalithamani & Dr.K.P.Soman Name of the Conference: 2009 Int. conference on Advances in Recent Technologies in Communication and Computing-ARTCOM2009 Duration of the Conference: 2009	
		27	Title of the Paper: "An Empirical Comparison of Differential Evolution Variants on Different Classes of Unconstrained Global Optimization Problems," Authors: G.Jeyakumar C.Shanmuga Velayutham Name of the Conference: 8th International Conference on Computer Information Systems & Industrial Management Applications (CISIM	

			2009), Duration of the Conference: December 9 – 11 ‘ 2009 Page No:866 - 871 Proceedings Published By: IEEE Catalog Number : CFP0995H-CDR, ISBN : 978-1-4244-5612-3, Library of Congress : 200907135)	
		28	Title of the Paper: ‘A Novel Discrete Particle Swarm Clustering Algorithm for Data Clustering’ Authors: Karthi R., Arumugam S. and Rameshkumar K. Name of the Conference: Proceeding of the 2nd Bangalore Annual Compute 2009 Conference, Bangalore, India, ACM Digital Library Duration of the Conference: 2009 Conference Venue: Bangalore, India, ACM Digital Library Page No:4 - 7 Proceedings Published By: Proceeding of the 2nd Bangalore Annual Compute 2009 Conference	
		29	Title of the Paper: Group Aware Semantic Matchmaker for Grid Resource Discovery Authors: Bindu Jayakumar and Mary Saira Bhanu Name of the Conference: International Conference on Advances in Recent Technologies in Communication and Computing – ARTCom 2009 Duration of the Conference: 27th and 28th October, 2009 Name of the Organizer: ACEE Network Security Group and IEEE Computational Intelligence Society Conference Venue: Page No: Proceedings Published By:	
		30	Title of the Paper: Bridging the Computer Science skill gap through FOSS Authors: V. Adinarayanan, Smrithi Rekha, Sneha Aswani and Anurag K Name of the Conference: International Congress on Engineering Education 2009 Duration of the Conference: 7th and 8th December, 2009 Name of the Organizer: IEEE section, Malaysia at Kuala Lumpur, Malaysia Conference Venue: Page No: Proceedings Published By:	
		31	Title of the Paper: Wavelet Based Edge Detection and Multi Resolution Analysis on	

			Hexagonal Sampled Grid using Interpolation. Authors: K.A.Narayanan Kutty, Veni. S, L.Satyapal Reddy, P.Vidya Name of the Conference: International Conference on Signal and Image processing (ICSIP-2009) Duration of the Conference: August 2009 Name of the Organizer: Mysore University. Mysore Conference Venue: Mysore University. Mysore Page No: 186-191 Proceedings Published By: Mysore University. Mysore	
		32	Title of the Paper: Tamil Font Recognition Using Gabor Filter and Tamil Using Support Vector Machines Authors: R.Ramanathan, K.P Soman Name of the Conference: Advances in computing control and Telecommunication Technologies (ACT 2009) Duration of the Conference: 28-29 Dec 2009 Name of the Organizer: ACEEE(Association of Computer Electronics and Electrical Engineers) Conference Venue: Trivandrum Page No: 613-615 Proceedings Published By: IEEE Computer Society	
		33	Title of the Paper: Optical Character Recognition For English and Tamil Using Support Vector Machines Authors: R.Ramanathan, K.P Soman Name of the Conference: Advances in computing control and Telecommunication Technologies (ACT 2009) Duration of the Conference: 28-29 Dec 2009 Name of the Organizer: ACEEE(Association of Computer Electronics and Electrical Engineers) Conference Venue: Trivandrum Page No: 610-612 Proceedings Published By: IEEE Computer Society	
		34	Title of the Paper: Robust Feature Extraction Technique for Optical Character Recognition Authors: R.Ramanathan, K.P Soman Name of the Conference: Advances in computing control and Telecommunication Technologies (ACT 2009) Duration of the Conference: 28-29 Dec 2009 Name of the Organizer: ACEEE(Association of Computer Electronics and Electrical Engineers) Conference Venue: Trivandrum Page No: 573-575 Proceedings Published By: IEEE Computer Society	

		35	Title of the Paper: Generalized and Channel Independent SVM based Robust Decoders for Wireless Applications Authors: R.Ramanathan, K.P Soman Name of the Conference: Advances in Recent Technologies in Communication and Computing(ARTCom 2009) Duration of the Conference: 27 & 28 oct 2009 Name of the Organizer: ACEEE(Association of Computer Electronics and Electrical Engineers) Conference Venue: Kottayam Page No: 756 - 760 Proceedings Published By: IEEE Computer Society	
		36	Title of the Paper: A Support Machines Approach for Efficient Facial Expression Recognition Authors: R.Ramanathan, K.P Soman Name of the Conference: Advances in Recent Technologies in Communication and Computing(ARTCom 2009) Duration of the Conference: 27 & 28 oct 2009 Name of the Organizer: ACEEE(Association of Computer Electronics and Electrical Engineers) Conference Venue: Kottayam Page No: 850 - 854 Proceedings Published By: IEEE Computer Society	
		37	Title of the Paper: Investigation and Development of Methods to Solve Multi-Class Classification Problems Authors: R.Ramanathan, K.P Soman Name of the Conference: Advances in Recent Technologies in Communication and Computing(ARTCom 2009) Duration of the Conference: 27 & 28 oct 2009 Name of the Organizer: ACEEE(Association of Computer Electronics and Electrical Engineers) Conference Venue: Kottayam Page No: 805 - 807 Proceedings Published By: IEEE Computer Society	
		38	Title of the Paper: A Novel Technique for English Font Recognition Using Support Vector Machine Authors: R.Ramanathan, K.P Soman Name of the Conference: Advances in Recent Technologies in Communication and Computing(ARTCom 2009) Duration of the Conference: 27 & 28 oct 2009 Name of the Organizer: ACEEE(Association of Computer Electronics and Electrical Engineers) Conference Venue: Kottayam	

			Page No: 766 - 769 Proceedings Published By: IEEE Computer Society	
		39	Title of the Paper: Improved Technique for Construction of M-Band Parametric Wavelets Authors: R.Ramanathan, K.P Soman Name of the Conference: Advances in Recent Technologies in Communication and Computing (ARTCom 2009) Duration of the Conference: 27 & 28 oct 2009 Name of the Organizer: ACEEE(Association of Computer Electronics and Electrical Engineers) Conference Venue: Kottayam Page No: 823 - 825 Proceedings Published By: IEEE Computer Society	
		40	Title of the Paper: Effective Automatic Generation Control of Hydrothermal Plant using Superconducting Magnetic Energy Storage and Static Synchronous Series Compensator Units Authors: Dr.S.Balamurugan,Ms.K.R.M.Vijayachandrakala, Dr.K.Sankaranarayanan Name of the Conference: ICAE 2010 Duration of the Conference: 23-24th of April, 2009. Name of the Organizer National University of Singapore Conference Venue: : Singapore	
		41	Title of the Paper: Solution to Optimal Power Flow by Evolutionary computational Technique including FACTS devices Authors: Ms. R.R Lekshmi, Dr. D. Devaraj Name of the Conference: Proceedings of International Conference on Energy Engineering (ICEE 2009) Duration of the Conference: January 7th to 9th, 2009 Conference Venue: : Pondicherry Engineering College, Puducherry	
		42	Title of the Paper: Fuzzy based Grid voltage stabilization in a wind farm using static VAR compensator Authors: V.Vanitha,S.Shreyas and V.Vasanth Name of the Conference: International conference on Advances in Recent Technologies in Communication and Computing, Duration of the Conference: October 27-28,2009 Conference Venue: : Kottayam,Kerala	
		43	Title of the Paper: Dynamic Analysis of a grid-connected Wind Electric Generator with embedded Static VAR Compensator	

			Authors: Vishnuvardhanan.V and Sasi.K.Kottayil Name of the Conference: International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT Duration of the Conference: 28-29 Dec 09, Trivandrum Conference Venue: Trivandrum	
		44	Title of the Paper: Active Power Control in Variable Speed Wind Electric Generators, Authors: Remya K and Sasi.K.Kottayil Name of the Conference: International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2009 Duration of the Conference: 28-29 Dec 09, Trivandrum Conference Venue: Trivandrum	
		45	Title of the Paper: "Morphological Analyzer for Agglutinative Languages using Machine Learning Approaches" Authors: Dhanalakshmi V., Anand kumar M., Rekha R. U., Arun kumar C., Soman K. P. and Rajendran S., Name of the Conference: <i>International Conference on Advances in Recent Technologies in Communication and Computing(ARTCom 2009)</i> Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		46	Title of the Paper: "Chunker for Tamil" Authors: Dhanalakshmi V., Anand kumar M., Padmavathy P., Soman K. P. and Rajendran S., Name of the Conference: <i>International Conference on Advances in Recent Technologies in Communication and Computing(A R T Com 2009)</i> Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		47	Title of the Paper: "Postagger and Chunker for Tamil Language" Authors: Dhanalakshmi V., Anand kumar M., Soman K. P. and Rajendran S., Name of the Conference: "Postagger and Chunker for Tamil Language" Duration of the Conference: Name of the Organizer:	

			Conference Venue: Page No:	
			Proceedings Published By:	
		48	Title of the Paper: "A Novel Approach for Tamil Morphological Analyzer" Authors: Anand kumar M., Dhanalakshmi V., Soman K. P. and Rajendran S., Name of the Conference: <i>8th Tamil Internet Conference 2009</i>, Duration of the Conference: Name of the Organizer: Conference Venue: Cologne, Germany Page No: Proceedings Published By:	
		49	Title of the Paper: "Chunker for Tamil using Machine Learning" Authors: Dhanalakshmi V., Padmavathy P., Anand kumar M., Soman K. P. and Rajendran S., Name of the Conference: <i>7th International Conference on Natural Language Processing 2009 (ICON 2009)</i> Duration of the Conference: Name of the Organizer: Conference Venue: IIIT Hyderabad Page No: Proceedings Published By:	
		50	Title of the Paper: An Intriguing Property of Scaling Function in Wavelet Theory and its Verification Using Daubechies-Lagarias Algorithm Authors: Soman K P, Arathi T, Name of the Conference: International Conference on Advances in Recent Technologies in Communication and Computing, 2009 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		51	Title of the Paper: Daubechies-Lagarias Algorithm- A Simplified Approach Authors: Soman K P, Arathi T, Mridula Sara Augustine, Arunima S V, Name of the Conference: International Conference on Advances in Computing, Control and Telecommunication Technologies, 2009 Duration of the Conference: Name of the Organizer: Conference Venue: Page No:	

			Proceedings Published By:	
		52	Title of the Paper: Performance Measures for Fusion of Multiple Input Images Authors: Arathi T, Mallika K, Rahul C, Soman K P Name of the Conference: International Conference on Advances in Computing, Control and Telecommunication Technologies, 2009 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		53	Title of the Paper: "In-Silico Characterization of Multi Walled Carbon Nanotubes (MWCNTS) to develop Gas Sensors." Authors: Prem kumar P., Krishnan Namboori P.K., Deepa Gopakumar, V.P. Mohandas, K.U. Radhagayathri Name of the Conference: International Conference on Advanced Nanomaterials and Nanotechnology (ICANN-2009) Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		54	Title of the Paper: Process parameter optimization in automobile component manufacture using Design of Experiments Authors: . Meera B. Sasikumar, J. Arun Ganesh, A.V.R. Varshan, D. Sriram and S.S. Bhagawan Name of the Conference: QICHIE09 Duration of the Conference: December 11-12, 2009 Name of the Organizer: Conference Venue: AMRITA, Coimbatore Page No: Proceedings Published By:	
		55	Title of the Paper: Thermogravimetric analysis of the Co-combustion of coal and selective Industrial sludges Authors: P.Ramesh¹ & R.Baskar² Name of the Conference: INTERNATIONAL CONFERENCE ON CHALLENGES IN BIOTECHNOLOGY AND FOOD TECHNOLOGY (ICBF - 2009) Duration of the Conference: 8th October 2009 Name of the Organizer: DEPARTMENT OF CHEMICAL ENGINEERING & CENTRE OF ADVANCED STUDY IN MARINE BIOLOGY Conference Venue: ANNAMALAI	

			UNIVERSITY, Chidambaram Page No:	
			Proceedings Published By:	
		56	Title of the Paper: Production of Liquid Fuels using Microreactor Technology Authors: Subhash Dutta, Udaya B Ragula, Jonathan Whitlow, Harold Wright and Eric Elrod Name of the Conference: Duration of the Conference: November 9 – 12, 2009 Name of the Organizer: AIChE Conference Venue: Nashville, Tennessee Page No: 1276 Proceedings Published By: AIChE	
		57	Title of the Paper: Polymer nanocomposites for inflatable Space Structures:Property Optimization using Response Surface Methodology Authors: K.Jayanarayanan,B.Divya, M.T.Dhanuja, Muralidahr, P.S.Nair, S.S.Bhagawan Name of the Conference: Sixth International Conference on “Precision ,Meso, Micro and Nano Engineering, Duration of the Conference: December 11-12,,2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		58	Title of the Paper: Advances in polymer based micro and nano composites Authors: K.Jayanarayanan, A. Saritha, Kuruvilla Joseph Name of the Journal: Name of the Conference: International conference on Innovative Technologies(ICIT-09) Duration of the Conference: June 18-19, 2009 Conference Venue: Haryana	
		59	Title of the Paper: Cement-Superplasticizer Interaction and Its effect on the flow behaviour of Superplasticized Paste and Concrete (Keynote paper) Authors: C. Jayasree and Ravindra Gettu Name of the Conference: International Conference on Chemical Admixtures Duration of Conference: April 2-3, 2009 Name of the organizer: Conference Venue: Ankara, Turkey	
		60	Title of the Paper: Rheological Characterisation of Superplasticized Cement Paste Authors: C. Jayasree, J Muralikrishnan and Ravindra Gettu Name of the Conference: . International	

			Conference on Advances in Concrete, Structural and Geotechnical Engineering, Duration of Conference: October 25-27, 2009 Name of the organizer: Conference Venue: BITS, PILANI	
		61	Title of the Paper: Energy Efficient Construction Materials and Technology Authors: C. Jayasree and K.P. Ramaswamy Name of the Workshop: National workshop Series on Energy Efficiency, Codes and Rating in Buildngs. Duration of the workshop: 30-31 July 2009 Name of the organizer: Workshop Venue: Amrita Vishwa Vidyapeetham University, Ettimadai, Coimbatore	
		62	Title of the Paper: Neural Network Model for the Fatigue Analysis of Fibre Reinforced Composite' Authors: Sowmya Manne , Lubin Mathew, Mini K M Name of the Conference: International Conference on "Operations Research applications in Engineering and Management (ICOREM) Duration of the Conference: 2009 Name of the Organizer: Conference Venue: ANNA University, Tiruchirappali, Page No: 641-660 Proceedings Published By:	
		63	Title of the Paper: Stability of Composite Plates- a Study Using Artificial Neural Networks' Authors: Mahadevan Lakshmanan, Mini K M, K.Subramanian Name of the Conference: Operations Research applications in Engineering and Management (ICOREM)", Duration of the Conference: 2009 Name of the Organizer: Conference Venue: ANNA University, Tiruchirappali Page No: 625-640 Proceedings Published By:.	
		64	Title of the Paper: Optimization of finite difference method with multiwavelet bases Authors: E.P.Sumesh, Elizabeth Elias Name of the Conference: Communications in computer and Information Science Duration of the Conference: August 2009 Name of the Organizer: Communications in computer and Information Science, Berlin Heidelberg Conference Venue: Berlin Heidelberg Page No: 37-48	

			Proceedings Published By: Springer - Verlag	
		65	Title of the Paper: Design and implementation of an improved wavelet filter architecture using Pipelined addition reordering technique Authors: Vidhyalavanya R, Madheswaran M Name of the Conference: International Conference on Computer Technology and Development, Duration of the Conference: Name of the Organizer: Conference Venue: Malaysia 2009 Page No: 367-370. Vol. 2 Proceedings Published By:	
		66	Title of the Paper: Addition reordering technique with pipelining and parallel processing for the design and implementation of improved wavelet filter architecture Authors: Vidhyalavanya R, Madheswaran M Name of the Conference: IEEE International Conference on Electronic design and Signal processing (ICEDSP-09) Duration of the Conference: 2009 Name of the Organizer: Conference Venue: , MIT, Manipal Page No: Proceedings Published By:	
		67	Title of the Paper: Determining Driver's Fatigue using Real Time Non Intrusive Monitoring Authors: S.M.Kirubasankaran, U.Rahul, S.Suresh, M.Silambarasan, S.D. Suryabharathi and KarthigaBalamurugan Name of the Conference: International Conference on Optoelectronics, Information and Communication Technologies (ICOICT 2009) Duration of the Conference: February 26-27, 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By: ISBN: 973-93-80872-05-2.(Won Best paper award)	
		68	Title of the Paper: Antenna Factor Computation for Planar Antenna Structures using Surface Integral Equation Authors: Sabarish Narayanan B, Bratin Ghosh, and Saswati Ghosh Name of the Conference: the Tenth International Conference on Electromagnetic Interference and Compatibility (INCEMIC 2008), Duration of the Conference: November 24-27, 2008. Name of the Organizer: Conference Venue: Page No: 329-334 Proceedings Published By:	

		69	Title of the Paper: Effective Automatic Generation Control of Hydrothermal Plant using Superconducting Magnetic Energy Storage and Static Synchronous Series Compensator Units Authors: Dr.S.Balamurugan,Ms.K.R.M.Vijayachandrakala, Dr.K.Sankaranarayanan Name of the Conference: ICAE 2010 Duration of the Conference: 23-24th of April, 2009. Name of the Organizer National University of Singapore Conference Venue: : Singapore Page No: Proceedings Published By:	
		70	Title of the Paper: Solution to Optimal Power Flow by Evolutionary computational Technique including FACTS devices Authors: Ms. R.R Lekshmi, Dr. D. Devaraj Name of the Conference: Proceedings of International Conference on Energy Engineering (ICEE 2009) Duration of the Conference: January 7th to 9th, 2009 Name of the Organizer Conference Venue: : Pondicherry Engineering College, Puducherry Page No: Proceedings Published By:	
		71	Title of the Paper: VHDL implementation on Two fish Block Cipher Authors: G.Tharani, V.Vanitha and D.Prasanna Vadana Name of the Conference: National Conference on signal processing,communications and VLSI design (NCSCV'09) Duration of the Conference:8-9 May 2009 Name of the Organizer: Dept. of ECE, Conference Venue: Anna University,Coimbatore, Page No	
		72	Title of the Paper: Embedded system based Vehicle Tracking System Authors: Name of the Conference: Duration of the Conference: 08-01-2009 Name of the Organizer: Dept. of ECE, Conference Venue: Avinashilingam University for Women. Page No	
		73	Title of the Paper: VHDL Implementation of	

			TwoFish Block Cipher Authors: Name of the Conference: Duration of the Conference: 8/5/2009 to 9/5/2009 Name of the Organizer: Dept. of ECE, Conference Venue: Anna University Coimbatore Page No	
		74	Title of the Paper: Blogging: The Displacement of Grand Narratives Authors: Sreena.K Name of the Conference: Comparative Literature Association of India Ninth Biennial International Conference, Hyderabad Duration of the Conference: 28-31st Jan 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		75	Title of the paper : "Use of Technology in Teaching Cross-Cultural Issues for Advanced Level Learners of English". Authors : Dr.Harini Jayaraman & MS.M.G.Priya Name of the Conference : International Conference on "Emerging Trends in Teaching Language and Literature Conference Venue : Alagappa University, Karaikudi"	
		76	Title of the paper : "Shakespeare,the Capitalist Authors : Dr. Harini Jayaraman Name of the Conference : UGC Sponsored National Seminar on "Reconstructing Shakespeare" Venue : Annamalai University, Chidambaram Title of the paper : Masculine Traits in the Feminine Self-An Archetypal Approach Authors : Ms. Ambika P Name of the Conference : UGC Sponsored National Seminar on "Reconstructing Shakespeare" Venue : Annamalai University, Chidambaram	
		77	Title of the paper : Masculine Traits in the Feminine Self-An Archetypal Approach Authors : Dr. Geetha Senthilkumar Name of the Conference : UGC Sponsored National Seminar on "Reconstructing Shakespeare" Venue : Annamalai University, Chidambaram	
		78	Title of the paper : "Imprint of Shakespeare on Indian Stage Authors : Ms. M G Priya Name of the Conference : UGC Sponsored National Seminar on "Reconstructing Shakespeare" Venue : Gandhigram Rural University, Dindigul	

		79	Title of the paper : Masculine Traits in the Feminine Self-An Archetypal Approach Authors : Ms. K A Krishnalalitha Name of the Conference : UGC Sponsored National Seminar on “Reconstructing Shakespeare” Venue : Annamalai University, Chidambaram	
		80	Title of the Paper: Multi-dimensional Routing Algebra" Authors: Dr.K.Somasundaram & Juha Plosila Name of the Conference: congestion minimization in NoC, Norchip Conference Duration of the Conference: 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		81	Title of the Paper: “End milling process parameter Optimization using Particle Swarm Optimization (PSO) Algorithms”, Authors: K.Rameshkumar, P.Krishnakumar, K.Ashok Kumar, M.Renganathan, K.Sakthivel Name of the Conference: International Conference on Emerging Research and Advances in Mechanical Engineering ERA 2009 Duration of the Conference: March 19-21, 2009 Name of the Organizer: Velammal Engineering College, Chennai – 600 066 Conference Venue: Velammal Engineering College, Chennai – 600 066 Page No: Proceedings Published By: : Velammal Engineering College	
		82	Title of the Paper: “Finite difference modeling of laser drilling for machining silicon carbide” Authors: P.Krishnakumar , N. Rakesh, K. Rameshkumar and K.I.Ramachandran Name of the Conference: 2nd International Conference on Recent Advances in Material Processing Technology Duration of the Conference: 25th to 27th February, 2009 Name of the Organizer: National Engineering College, Kovilpatti Conference Venue: National Engineering College, Kovilpatti Page No: Proceedings Published By: : National Engineering College, Kovilpatti	

		83	Title of the Paper: Machine Learning Approach to Fault Diagnosis of Rotational Mechanical System Authors: M.Saimurugan, V.Sugumaran and K.I.Ramachandran Name of the Conference: International Conference on Operations Research Application in Engineering and Management ,2009. Duration of the Conference: 27th to 29th May 2009 Name of the Organizer: Anna University, Trichy. Conference Venue: Anna University, Trichy. Page No: Proceedings Published By:	
		84	Title of the Paper: 'Monitoring of Single Point Cutting Tool: A Data Mining Approach' Authors: Elangovan M., Sugumaran V., and Ramachandran K.I, Name of the Conference: International Conference on Operation Research applications in Engineering and Management, ICOREM Duration of the Conference: May 27-29, 2009 Name of the Organizer: Anna University Conference Venue: Tiruchirappalli, India Page No: Proceedings Published By:	
		85	Title of the Paper: Automatic rule learning using decision tree for fuzzy classifier in fault categorization of Mono-block Centrifugal Pump Authors:Sakthivel N.R. Sugumaran.V, mohamad arsath, Vivin.R Name of the Conference: International conference on operation resear4ch applications in engg and mgmt Duration of the Conference:2009 may 27-29 Name of the Organizer:Anna university, Trichy Page No:225	
		86	Title of the Paper: STABILITY OF COMPOSITE PLATES-A STIDY USING ARTIFICIAL NEURAL NETWORKS Authors: Mahadevan lakshmanan,Dr.K.M Mini, K.Subramanian Name of the Conference: ICOREM-2009 Duration of the Conference: Three days	

			Name of the Organizer: Anna University - Tiruchirapalli Conference Venue: Tiruchirapalli Page No: 625-640 Proceedings Published By: ANNA UNIVERSITY-ICOREM 2009	
		87	Title of the paper : S- Matrix based unified calculation of Q-values & half lives of alpha decay of super heavy elements Authors : Dr. S Mahadevan, C S Shastry, P Prema, Y K Gambhir Conference : DAE-BRNS International symposium on Nuclear Physics held during Dec 8-12 at BARC, Mumbai	
		88	Title of the paper : Synthesis, characterization and anti-microbial activity of Co (II) complexes of various alkyl substituted 2,6-diphenyl-1-aza-7-oxa-4-sporo [2, 5] octanes" Authors : Dr.S.Asha, Dr R Yamuna Conference :International Conference On Coordination And Organo Metallic Chemistry.(ICCOC -2009)	
		89	Title of the paper : Gold Nanoparticles Modified TiO₂ Nanotube Arrays for the Selective Determination of Ascorbic Acid, Authors : Dr. T G Satheesh Babu, P. V. Suneesh, T. Ramachandran Conference :International Conference on Advanced Nanomaterials and Nanotechnology, IIT Guwahati	
		90	Title of the paper : Selective Determination of Ascorbic Acid Using Polypyrrole - Gold Composite Modified Glassy Carbon Electrode Authors : Dr. T G Satheesh Babu, P. V. Suneesh, V. Vignesh, T. Ramachandran, Conference :International Conference on Precision, Meso, Micro and Nano Engineering, COPEN6	
		91	Title of the paper : Highly ordered titanium dioxide nanotube arrays for the amperometric sensing of ascorbic acid, Authors : Dr. T G Satheesh Babu, T. Ramachandran Conference :Second international conference on Nanoscience and Technology (Cochin Nano-2009), CUSAT,	
		92	Title of the Paper: The status of Fisher Women in India Authors: K R Priya Name of the Conference: WORLD CONGRESS Duration of the Conference: One week (19-27/07/2009) Name of the Organizer: International Union of Anthropological and Ethnological Sciences (IUAES)	

			Conference Venue: University of Nationalities at KUMING, CHINA	
	National Conference (Proceedings)	1.	Title of the Paper: Performance of an Educational Institutions Using Sigmas Levels of Exam Results Authors: J. Ravichandran Name of the Conference: National Conference on Quality Improvements and Their Implimentation inHigher Education Duration of the Conference: 11-12 december 2009 Name of the Organizer: Department of Mathematics, Amrita Vishwa Vidyapeetham, Coimbatore. Conference Venue: Amrita Vishwa Vidyapeetham, Coimbatore. Page No: 78-86 Proceedings Published By:Shri Garuda Pub. Cbe	
		2	Title of the Paper: VHDL implementation on Two fish Block Cipher Authors: G.Tharani, V.Vanitha and D.Prasanna Vadana Name of the Conference: National Conference on signal processing,communications and VLSI design (NCSCV'09) Duration of the Conference:8-9 May 2009 Name of the Organizer: Dept. of ECE, Conference Venue: Anna University,Coimbatore,	
		3	Title of the Paper: Classification of Unsymmetrical Faults in a Power System Authors: D.Kavitha et al Name of the Conference: Soft Computing Techniques in Power System Operation and Control Duration of the Conference: July 22-24,2009 Conference Venue: VIT,Vellore	
		4	Title of the Paper: Improved Redundancy Scheme for optimal utilization of onboard Computers Authors: Radhamani Pillai,Sasikumar Punnekkat,Santanu Dasgupta Name of the Conference: INDICON Duration of the Conference: Dec 18-20,2009 Name of the Organizer:IEEE Conference Venue: Gujarat Page No 1-4	
		5	Title of the Paper: Morphology And Mechanical Properties Of In Situ Microfibrillar Composites From LDPE and PET Authors: K. Jayanarayanan, R.Archana, R.Dhivya, S.Monikumar, V. Abirami Name of the Conference: ISAMPE National Conference 2009(INCCOM-8) "Emerging Trends in Composite Materials and Technology	

			Duration of the Conference: December 4-5,2009 Name of the Organizer: ISAMPE Conference Venue: Thiruvananthapuram Page No: 74-81 Proceedings Published By: ISAMPE	
		6	Title of the Paper: Optimizing the Properties of Nanoclay – Nitrile Rubber Composites using Box-Behken Design Authors: Meera Balachandran, R. Muraleekrishnan, S.S. Bhagawan Name of the Conference: ISAMPE National Conference 2009(INCCOM-8) “Emerging Trends in Composite Materials and Technology Duration of the Conference: December 4-5,2009 Name of the Organizer: ISAMPE Conference Venue: Thiruvananthapuram Page No: 147-153 Proceedings Published By: ISAMPE	
		7	Title of the Paper: Process parameter optimisation in automobile component manufactureusing Design of Experiments Authors: Meera Balachandran, J. Arun Ganesh, A.V.R. Varshan, D. Sriram, S.S. Bhagawan Name of the Conference: National Conference on Quality Improvement Concepts and their Implementation in Higher Educational Institutions at Amrita Vishwa Vidyapeetham Duration of the Conference: December 11-12, 2009 Name of the Organizer: Amrita Vishwa Vidyapeetham, Coimbatore Conference Venue: Amrita Vishwa Vidyapeetham, Coimbatore	
		8	Title of the Paper: Antibacterial Potential of Aqueous Extract of Coleus Amboinicus Against Selected Pathogens Authors: Geetha.P, Nithya. K, Sathiyar. S Name of the Conference: CSIR Sponsored Conference on Current Scenario in Microbial Biotechnology Duration of the Conference: 10th – 11th March, 2010 Name of the Organizer: K.S.R College of Technology, Tiruchengode Conference Venue: Tiruchengode	
		9	Title of the Paper: Fusing SAR Images using "A Trous" Algorithm Based Wavelet Decomposition Authors: Baskar.A, Kishore Kopparapu Name of the Conference: National Conference on Information Science (NCIS-2009 Duration of the Conference: 2009	
		10	Title of the Paper: The News Video	

			Summarization Based on Support Vector Machines(SVMs) Authors: Baskar.A, M. Mythili, G. Pradeep Kannan, R. Shivshankar, N. Venkatesh Name of the Conference: National Conference on Computational Intelligence (NCCI 2009).	
		11	Title of the Paper: Object Tracking from Video Sequence Using Mean Shift Algorithm Authors: Baskar.A, Priyanka Udayabhanu Name of the Conference: National Conference on Microwave and Optical Communication (NCMOC 2009). Duration of the Conference: 2009	
		12	Title of the Paper: Content Based Image Retrieval for Medical Images (Cerebrum Interact) Using PCA Authors: Baskar.A, Ranjith M, Dhyaneshwaran J, Balaji R.M., Surjith Kumar M Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing (RTCSP 2009). Duration of the Conference: 2009	
		13	Title of the Paper: Evaluation of Moving Least Squares as a technique for Non-Rigid Medical Image Registration Authors: Hema P Menon, Arun K S Name of the Conference: National Conference on Signal Processing Communications and VLSI Design NCSCV'09 Duration of the Conference: 2009	
		14	Title of the Paper: Text Extraction from Document Images with Complex Background Authors: Hema P Menon, Noby K Jacob Name of the Conference: National Conference on Signal Processing Communications and VLSI Design NCSCV'09 Duration of the Conference: 2009	
		15	Title of the Paper: Image Retrieval System for DICOM Images Authors: Hema P Menon, Arun K S Name of the Conference: National Conference on Frontier Research areas in Computing Duration of the Conference: 2009	
		16	Title of the Paper: Text Extraction from Camera Captured Document Images Authors: Hema P Menon, Noby K Jacob Name of the Conference: National Conference on Frontier Research areas in Computing Duration of the Conference: 2009	
		17	Title of the Paper: "SURVEY OF HANDOVER MECHANISMS IN WIRELESS HETEROGENEOUS NETWORKS AND MODIFIED TCP SCHEME FOR PROVIDING	

			Authors: Ananthanarayanan.V, Sabarish.B.A Name of the Conference: SEAMLESS VERTICAL HANDOVER” Research Scholars track at 25Th National Students Convention of Computer Society of India Coimbatore Centre at Kumaraguru College of Technology – Coimbatore Duration of the Conference: 24th and 25th Sep 2009 Conference Venue: National Students Convention of Computer Society of India Coimbatore Centre at Kumaraguru College of Technology – Coimbatore	
		18	Title of the Paper: Dynamics of T Cell Infection by HIV; A Mathematical Model Authors: Dineshkumar J., Sruthy Anna Cherry, Vasavi C. S., Krishnan Namboori P. K., Deepa Gopakumar Name of the Conference: National Symposium on Mathematical Methods and Applications Duration of the Conference: December 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		19	Title of the Paper: Stochastic Model for Agricultural Production Networks Authors: Karthik V. S., Anjitha P. S., Vasavi C.S., Krishnan Namboori P. K., Deepa Gopakumar Name of the Conference: National Symposium on Mathematical Methods and Applications Duration of the Conference: December 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		20	Title of the Paper: A Mathematical Model for Bacterial Chemotaxis Authors: Shafi K., Saju Joseph, Premkumar P., Krishnan Namboori P. K., Deepa Gopakumar Name of the Conference: National Symposium on Mathematical Methods and Applications Duration of the Conference: December 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		21	Title of the Paper: Mathematical Model Exploring the Role of Immune Responses in the Rise of Drug-resistant Mutants in Vivo Authors: Krace Kumar, Radhika Devi R., Varun Gopal K., Krishnan Namboori P. K., Deepa	

			Gopakumar Name of the Conference: National Symposium on Mathematical Methods and Applications Duration of the Conference: December 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		22	Title of the Paper: Mathematical Model for Viral Dynamics - To Study the Dependence of Viral Parameter Estimates on the Assumed Viral Life Cycle Authors: Vimal M., Deepankumar P., Sriram Ramakrishnan, Vasavi C. S., Krishnan Namboori P. K., Name of the Conference: National Symposium on Mathematical Methods and Applications Duration of the Conference: December 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		23	Title of the Paper: Mathematical Modeling of Singlet Oxygen in Photodynamic Therapy Used for Cancer Treatment Authors: Giridharan K., Divya B., Premkumar P., Krishnan Namboori P. K., Deepa Gopakumar Name of the Conference: National Symposium on Mathematical Methods and Applications, Duration of the Conference: December 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		24	Title of the Paper: Gene Drive in Age-Structured Insect Population Authors: Bhuvanesh M., Vrinda Harisankar, RadhaGayathri K. U., Krishnan Namboori P. K., Deepa Gopakumar Name of the Conference: National Symposium on Mathematical Methods and Applications Duration of the Conference: December 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		25	Title of the Paper: Mathematical Models of Human Preimplantation Embryo Development Authors: Shruthi R., Divya P., Preethi R., Bharath Parimalam, Radha Gayathri K. U., Krishnan Namboori P. K., Name of the Conference: National Symposium	

			on Mathematical Methods and Applications Duration of the Conference: December 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		26	Title of the Paper: Dependence of Production Conditions on Quality of Butadiene Rubber - A Machine Learning Approach Using SVM (Support Vector Machine) Authors: Vishnu Nair M., Prasanth M., Gurunathan Ganesan, Varun Gopal K., Krishnan Namboori P. K Name of the Conference: National Symposium on Mathematical Methods and Applications Duration of the Conference: December 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		27	Title of the Paper: Mathematical Model for the In-Host Dynamics of Malaria Authors: Leela Mohit Chivkula, Lakshmi Narayanan Subramanian, Varun Gopal K., Krishnan Namboori P. K., Deepa Gopakumar Name of the Conference: National Symposium on Mathematical Methods and Applications Duration of the Conference: December 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		28	Title of the Paper: Mathematical Model for Estimating the Total Parasite Load in Malaria Patients Authors: Sathishkumar B., Sankaranarayanan A., Suresh Kumar Ayyalusamy, Premkumar P., Krishnan Namboori P. K Name of the Conference: National Symposium on Mathematical Methods and Applications Duration of the Conference: December 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		29	Title of the Paper: Mathematical Modeling of Metal Processing Authors: Sathyamoorthy S., Barani Dharan M., Prinu Narayanan, Premkumar P., Krishnan Namboori, Joshi C. Haran Name of the Conference: National Symposium on Mathematical Methods and Applications Duration of the Conference: December 2009 Name of the Organizer: Conference Venue: Page No:	

			Proceedings Published By:	
		30	Title of the Paper: Controlled Drug Delivery - A Mathematical Modeling Authors: Srihari S., Shilpa S., RadhaGayathri K. U. , Krishnan Namboori P. K., Deepa Gopakumar Name of the Conference: National Symposium on Mathematical Methods and Applications Duration of the Conference: December 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		31	Title of the Paper: Robust Watermarking of Remote Sensing Images without Loss of Spatial Information Authors: Hemalatha, V. Joevivek, K. Sukumar, K. P. Soman Name of the Conference: presented in the 10th ESRI India User Conference Duration of the Conference: April 28-29, 2009 Name of the Organizer: Conference Venue: Noida in New Delhi Page No: Proceedings Published By:	
		32	Title of the Paper: An Approach to Study the Influence of Fish Abundance in Relation to Temperature using GIS – A Case Study of Aliyar Reservoir Authors: P. Geetha, V. Sowmya, V. Vipin, K. P. Soman Name of the Conference: 10th ESRI India User Conference Duration of the Conference: April 28-29, 2009 Name of the Organizer: Conference Venue: Noida in New Delhi Page No: Proceedings Published By:	
		33	Title of the Paper: Prediction of Forest Fires using SVM – A Novel Approach Authors: K. Sukumar, V. Joevivek, T. Hemalatha, K. P. Soman Name of the Conference: 10th ESRI India User Conference Duration of the Conference: April 28-29, 2009 Name of the Organizer: Conference Venue: Noida in New Delhi Page No: Proceedings Published By:	
		34	Title of the Paper: "Effect of Thermostat in the determination of coefficient of thermal expansion of single walled carbon nanotubes using molecular dynamic simulation".	

			Authors: Prabhu K.N.,Pradip P. Sairam,P.K.Krishnan Namboori,O.S.Deepa Gopakumar,K.I.Ramachandran Name of the Conference: Duration of the Conference: 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		35	Title of the Paper: An ingenious method for the separation and purification of water soluble carbon nano tubes (wsCNTs) from glyceryl esters. Authors: Arun, C.Rajasunder, KrishnanNambooriP.K., Deepa Gopakumar, K.I. Ramachandran Name of the Conference: Duration of the Conference: 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		36	Title of the Paper: An innovative method for the preparation and characterization of CNT from glyceryl esters Authors: B. Arun, C. Rajasunder, Krishnan Namboori P.K., Deepagopakumar, K.I. Ramachandran,” Name of the Conference: Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		37	Title of the Paper: Computational method of characterizing electro-optic properties of liquid crystal polymers(LCP) Authors: Anjali A.E.,Abhayalakshmi M.B.,Krishnan Namboori P.K.,Deepa Gopakumar,K.I.Ramachandran” Name of the Conference: Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		38	Title of the Paper: Computational modeling of molecular motors.(2009) Authors: K.I.Ramachandran, DeepaGopakumar, P.K.KrishnanNamboori,” Name of the Conference: Duration of the Conference:	

			Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		39	Title of the Paper: Determination of coefficient of thermal expansion of single walled carbon nanotubes using molecular dynamics simulation”,(2009 Authors: PrabhuK.N., PradipPSairam, Krishnan Namboori P.K., DeepaGopakumar, K.I. Ramachandran,” Name of the Conference: Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		40	Title of the Paper: Model-based Optimization and Control of an Atmospheric Crude Distillation Unit Authors: Rangarajan, M. Name of the Conference : <i>National Seminar on Control of Nonlinear Systems</i>,October 2009 Duration of the Conference: Name of the Organizer: <i>Adhiyamaan College of Engineering</i> Conference Venue: <i>Hosur</i> Page No: Proceedings Published By:	
		41	Title of the Paper: <i>Optimizing the Properties of Nanoclay – Nitrile Rubber Composites using Box-Behnken Design</i> Authors: Meera B Sasikumar, R. Muraleekrishnan and S.S. Bhagawan Name of the Conference: National Conference on (INCCOM-8) Emerging Trends in Composite Materials and Technology Name of the Organizer: ISAMPE Duration of the Conference: December 4-5,2009. Conference Venue: Thiruvananthapuram Page no: 147-153.	
		42	Title of the Paper: <i>Process parameter optimisation in automobile component manufacture using Design of Experiments</i> Authors: J. Arun Ganesh, A.V.R. Varshan, Meera B Sasikumar, D. Sriram and S.S. Bhagawan Name of the Conference: National Conference on Quality Improvement Concepts and their Implementation in Higher Educational Institutions Duration of the Conference:	

			Name of the Organizer: Amrita Vishwa Vidyapeetham Duration of the Conference: December 11-12, 2009 Conference Venue: Coimbatore Proceedings Published By:	
		43	Title of the Paper: Production of Liquid Fuels using a Microreactor Author: Subhash Dutta, Jonathan Whitlow, White Name of the Conference: AIChE National Conference Duration of the Conference: November 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		44	Title of the Paper: Morphology and mechanical properties of in situ microfibrillar composites from LDPE and PET Authors: K.Jayanarayanan , R.Archana, R.Dhivya, S.Monikumar, V. Abirami, S.Thomas, K.Joseph, Name of the Conference: Proceedings of ISAMPE National Conference 2009(INCCOM-8),Thiruvananthapuram Duration of the Conference: December 4-5,2009 Name of the Organizer: ISAMPE Conference Venue: Page No: Proceedings Published By:	
		45	Title of the paper : Studies on essential oils as VCI for mild steel in marine atmosphere Authors :Dr.N.Poongothai Conference :National Conference on Corrosion Assessment and its Control- (NCAC 09) in Thiagaraja College, Madurai.	
		46	Title of the paper :Introduction to nanomaterials and Nanoscience. Authors : Dr.N.Poongothai Conference :National symposium and seminar – Solid state Chemistry and Nanomaterials in Vellore College of Technology, Vellore.	
		47	Title of the paper :Vitis vinifera leaves as corrosion inhibitor for mild steel in 0.5M H₂SO₄ Authors : Dr.P.Thilagavthy, Dr.R.Saratha, N.Kasthuri Conference :National Seminar-Recent Advances in Textile and Electrochemical Sciences-RATES 2009, Alagappa University, Karaikudi, Tamilnadu	
		48	Title of the paper :Effect of temperature on the	

			use of Tectona grandis leaves in the mitigation of mild steel corrosion in acid medium Authors : Dr.P.Thilagavthy, Dr.R.Saratha, N.Kasthuri Conference :Thiagarajar College of Engineering and Technology, Madurai, Tamilnadu.	
		49	Title of the paper :Plant extracts as user friendly pickling inhibitors Authors : Dr.P.Thilagavthy, Dr.R.Saratha, Conference :National Seminar-Sixteenth National Convention of Electrochemists(NCE-16), P.S.G.R Krishnammal College for Women	
		50	Title of the Paper: Condition Monitoring of a Single Point Cutting Tool Using Support Vector Machine Authors: M. Elangovan, S. Babu Devasenapati, and K.I. Ramachandran Name of the Conference :ICAMB 2009 Duration of the Conference: Name of the Organizer: Vellore Institute of Technology Conference Venue: Vellore, Tamilnadu Conference Venue: Page No: Proceedings Published By:	
		51	Title of the Paper: Image Restoration using Knowledge from the Image Authors: S. Padmavathi , Aarthi R and K.P. Soman Name of the Conference: International Conference on Operations Research Applications in Engineering and Management, Anna University, Trichy Duration of the Conference: 27-29 May, 2009. Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		52	Title of the Paper: Audio Steganography Authors: S. Padmavathi, Indhumathi B, Soundhria D and Sudha S Name of the Conference: 1st National Conference on Cryptography and Network Security, Vellore Institute of Technology (VIT) Duration of the Conference: 18-19 February, 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	

			Also won best session paper award in the conference.	
		53	Title of the Paper: English: A Blessing in Disguise. A Study of Chinua Achebe's Technique of Hybridization Authors: Ms.Smitha Name of the Conference: National Conference on Language and Literature Duration of the Conference: Nov 28,29 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		54	Title of the Paper: Imprint of Shakespear on Indian Stage Authors: Ms. Asha Priya Name of the Conference: UGC Sponsored National Seminar on Reconstructing Shakespeare Duration of the Conference: March2,3 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		55	Title of the Paper: Masculine Traits in the Femine Self An Archetypal approach Authors: Dr.Geetha Senthilkumar Name of the Conference:UGC Sponsored National Seminar on Reconstructing Shakespeare Duration of the Conference: March2,3 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		56	Title of the Paper: Masculine Traits in the Femine Self -An Archetypal approach Authors: Ms.Ambika. P Name of the Conference: UGC Sponsored National Seminar on Reconstructing Shakespeare Duration of the Conference: March2,3 2009 Name of the Organizer: Conference Venue: Page No:	
		57	Title of the Paper: Shakespear,the Capitalist?" Authors: Dr.Harini Jayaraman Name of the Conference: UGC Sponsored National Seminar on Reconstructing Shakespeare Duration of the Conference: March 2,3 2009 Name of the Organizer:	

			Conference Venue: Page No:	
		58	Title of the Paper: Design and Analysis of Integrated Tunable Band Pass filters for Phased Array Radar Receiver Authors: Ramanathan.R, Isvarya Luckshmi.A.P, Karuba.M, Murugapandayan.N, Preethi.S, Veerabahathran.A Name of the Conference: National workshop on Design and Analysis of Radar Systems, Duration of the Conference: February, 2009. Name of the Organizer: ISRO Telemetry Tracking and Command Network Conference Venue: ISRO Peenya Bangalore Page No:126-131 Proceedings Published By: ISRO Peenya Bangalore	
		59	Title of the Paper: Design and studies of Dielectric and Air substrate based H Shaped Microstrip Patch Antenna Authors: Jayakumar.M,Jolly.R, Anand Selvin.S, Bharathi Ravi.K, G.S.Darwino, Harishankar.R, Jitha.R Name of the Conference: National workshop on Design and Analysis of Radar Systems, Duration of the Conference: February, 2009 Name of the Organizer: ISRO Telemetry Tracking and Command Network Conference Venue: ISRO Peenya Bangalore Page No: 65-70 Proceedings Published By: ISRO Peenya Bangalore	
		60	Title of the Paper: Non- Cooperative Strategy in Channel Negotiation for OFDMA Systems Authors: Dr. K.A.Narayanan Kutty, Akhilandeshwari.S, Arjun. N.P, Raghunathan.T, Sunandini.M, Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 20-24 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		61	Title of the Paper: A 4 GHz clock Synchronized, Non coherent Energy Collection UWB Transceiver for the IEEE 802.15.3a Channel Authors: K.A.Narayanan Kutty, U.Bala Maheshwaran, Reshmi Raj, Sindhu Tharangini Name of the Conference: National Conference on Recent Trends in Communication and Signal	

			Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 25-29 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		62	Title of the Paper: Pilot Symbol Assisted Channel Estimation and Modulation Scheme Estimation in Adaptive Modulation Schemes for OFDMA Systems Authors: S.Krithiga, Arjun.T, Sunil.P, Prasanth. S.k, Anand Sreekumar, Sinto Davis Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 30-34 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		63	Title of the Paper: A New Decoding Algorithm for Extended Turbo Product Codes without Fetching Error Patterns Authors: P.Meena, S.Karthick, E. Saravanamoorthi, Sri Badari Narayanan, Shreyas.J.Shetty Harish.M.S Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 35-39 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		64	Title of the Paper: Analysis and Study of Transmission Characteristics of Millimeter Wave Identification (MMID) System Authors: M.Jayakumar, S. Aishwariya, C.Bhagavathi Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham	

			Page No: 45-48 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		65	Title of the Paper: Multilayer Annular Ring Microstrip Patch Antenna on GaAs Substrate for RF Front End of Wireless Sensors Authors: Dr. M.JayakumarK.Deepika, K.C.Shanmugapriya, Ksriram, B,Anooja, Vishnu Vijay Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 49-52 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		66	Title of the Paper: Artificial Neural Networks Approach to the Design of Band Pass Filters for Integrated Wireless Transceivers Authors: R.Ramanathan, Isvarya Luckshmi.A.P, Kiruba.M, Murugapandian.N, Preethi.S Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 53 -56 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		67	Title of the Paper: Design Studies on Non Planner Conformal Patch Antennas for Air Borne Vehicles Authors: Dr. M.Jayakumar.K,Anand Selvin.S, Bharathi Ravi.K, G.S.Darvino, Harishankar.R, Jitha.R Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 57-62 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		68	Title of the Paper: Analysis and Comparison of Two Section and Three Section Transmission Line Transformers	

			Authors: Dr. M.Jayakumar.K, Deepthi Maheshwari Chinnam, S.N. Prathyusha, Nandhini.C, Devi Kailas, Devika Krishna Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 63-66 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		69	Title of the Paper: Study on the Performance of Dual Band Rejection Filters for RF Transceivers. Authors: Dr. M.Jayakumar.K, Rishikesh.B.Kamath, S.V.Majihj, Shriram Rajasekaran, Rakesh.B, Arun Subramanian Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 67-70 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		70	Title of the Paper: Design of Planner Multi Layerd Dielectric Structures using Bionomial Matching Techniques Authors: Sabarish Narayanan.B, Karthika.R, Aiswariya.S, Vishnu Vardhan.B, Sahiti.K, Sharath Krishnan, Sivaseetharaman.P, Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 71-77 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		71	Title of the Paper: Non Chronological Video Synopsis Authors: S.Sathish Kumar, R.K.Manoj Kumar, R.Raj Pradeep, N.Maniganda Prabhu, R.Ayshwarya, T.Tharani Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09)	

			Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 78-81 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		72	Title of the Paper: Implimentation of Vishual Object Tracking for Computer Vision Applications: A Platform based Approach. Authors: D.S.Harish Ram, Adarsh.S,Bharath B. Atreya, Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 82-86 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		73	Title of the Paper: Digital Radio Design Using Digital Signal Processor Authors: R.Gandhiraj,Naveen Nandan,Sooraj.G.Nair, Sandeep Sukumaran, Prijo Mathew, Nandagopal Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 91-95 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		74	Title of the Paper: SI System Using Modified MFCC Authors: Nagendhiran.C.V, Ramya.B, Arun Raj, Arun .R, Jhanany Priyam Kalicharan.S.N Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 101-104 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		75	Title of the Paper: GMM Based Speaker	

			Recognition System Authors: Santhosh Kumar.C, Arvind.J, Hariharan.S, Mahesh.S, Vivek.P.N, Vivek.R Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 96-100 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		76	Title of the Paper: Blind Source Separation Using Improved PSO for Adaptive Adjustment of Learning Rate Authors: N.Sathyapriya, Balaji.N, Lokesh.T.L, Maheshwari.S.K, Prasanna.N, Sree Meenakshi.K.B Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 105-110 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		77	Title of the Paper: Improve Eye Locating Algorithm for Driver Fatigue Monitoring Authors: Karthiga Balamurugan, Mohan Kumar.N, S.M.Kiruba Sankaran, U.Rahul, S.Suresh, M.Silambarasan, S.D.Surya Bharathi Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 127-130 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		78	Title of the Paper: Reconfigurable VLSI Architecture for Forward and Reverse Discrete Wavelet Transform Based on B-Spline Factorisation. Authors: Vidhya Lavanya.R, Aparna Sankar. Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009	

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		79	Title of the Paper: Code Compression: An Efficient Memory Reduction Technique For Embedded processors Authors: Vidhyalavanya.R, Sunder Ravi Kumar.S, Pradhayini.R, Lakshmikanth.N, Lavanya.P, Kaarthik.J Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 140-144 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		80	Title of the Paper: Efficient parallel CRC architecture implimentation using VSP Technique Authors: Mohankumar.N,Kamruddin Khan Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 145-150 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		81	Title of the Paper: Design of VLSI based low power power supply for Bio Medical Applications Authors: R,Sundararajan,R.Thanesh,R. Arun Ramnath, D.Dhivya, N.Lakshmi Narayanan, R.Shobana Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 167-170 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	

		82	Title of the Paper :Optimized Methods of Per Test Fault Diagnosis Using Ordinary and Scored Multiplets Authors: J.P Anita, Abinaya.D, Benazir Begum.S, Devi.S, Rahul H Nair, Sidharth.P Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 171-176 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		83	Title of the Paper: FPGA Implimentation of Face Recognition Using Eigen Values Authors: Harish Ram D.S, Adarsh.S,Rakesh.R.Menon, Milan Verma, Harikrishnan .S, Suraj K.V Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 177-182 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		84	Title of the Paper: Design Of Genitically Evolved Neuro Hardware Using Enhanced Genetic Algorithm With layer Multiplexing For Effective Resource Utilization Authors: M. Nirmala Devi, N. Mohan Kumar, M. karthick, Nikhil Jayan, R.Nithya, S.Shobana, M. Shyam Sunder, S.Arumugham Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 183-186 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		85	Title of the Paper: Performance Improvement of Wavelet Packet Modulation For WLAN Using Equilazation and Determination of Suitable Wavelet Pairs For Minimization of Adjacent	

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		86	Title of the Paper: Detection and Isolation of Sensor Faults Authors: P.V. Sunil Nag, Lakshmi .V, Manimekalai.V, Manojkumar. B, Navitha.R, Varuna.D Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 252-259 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		87	Title of the Paper: An Integral Equation Based Analysis Techniques for Fault Detection in Instrumentation Cables Authors: Sabarish Narayanan.B, Ankith Aggarwal, RaviTeja.K Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 266-269 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		88	Title of the Paper: Stock Market Trend Prediction Using Markov Models Authors: R.Sundararajan, Aswath Kumar .P.N, Badri Krishnan.K.N, Dinesh.R, Karthikeyan.S, Sidharth.C Name of the Conference: National Conference on Recent Trends in Communication and Signal	

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		89	Title of the Paper: BSE Stock Index Prediction Using Neural Networks: Study on Five Different Back Propagation Using Algorithms Authors: Binoy.B.Nair,Ezhilarasi.C, Nishanth Kumar, Pattu Rajan.M, Renukha.R Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 290-293 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		90	Title of the Paper: A Financial Trading System Using Rough set Classifier Authors: Binoy.B.Nair, Dhivakar.S, Ganesan.S, HariharaPriya.P, Santosh.M, Narendhiran.D Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 294-299 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		91	Title of the Paper: Time Series Forecasting Using Stastical Methods Authors: Binoy.B.Nair, Rekha.J, Aswathi.C Name of the Conference: National Conference on Recent Trends in Communication and Signal Processing(RTCSP'09) Duration of the Conference: April 2009 Name of the Organizer: Amrita School of Engineering, Amrita vishwa Vidyapeetham Conference Venue: Amrita School of Engineering, Amrita vishwa Vidyapeetham Page No: 298-301 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		92	Title of the paper : Non-Cooperative Strategy in	

			Channelk Negotiation for OFDMA Systems Authors : Dr. K. A. Narayanankutty, Akilandeshwari.S, Arjun N P., Raghunathan. T. and Sunandhini.M Conference : RTCSP 2009	
		93	Title of the paper : Simulation of 4GHz Clock Synchronized Non Coherent Energy Collection UWB Transceiver for the IEEE 802.15.3a Channel Authors : Dr.K.A.Narayanankutty, U.BalaMaheshwaran, ReshmiRaj, SindhuTharangini and Aswin Ramesan Conference : RTCSP 2009	
		94	Title of the paper : Pilot Symbol Channel Estimation and Modulation Scheme Estimation in Adaptive Modulation Schemes for OFDM Systmes Authors :S. Kirthiga, Arjun. T, Sunil.P, Prasanth. S. K., Anand Sreekumar and Sinto Davis Conference : RTCSP 2009	
		95	Title of the paper : Analysis and Study of Transmission Characteristics of Millimeter Wave Identification (MMID) System Authors : M. Jayakumar, S. Aishwarya and C. Bagavathi Conference : RTCSP 2009	
		96	Title of the paper : Multilayer Annular Ring Microstrip Patch Antenna on GaAs Substrate for RF Front End of Wireless Sensors Authors : M. Jayakumar, K. Deepika, K. C. Shanmugapriya, K. Sriram, B. Anooja and Vishnu Vijay Conference : RTCSP 2009	
		97	Title of the paper : Artificial Neural Network Approach to the Design of Band Pass Filters for Integrated Wireless Transceivers Authors : R. Ramanathan, Isvarya Kuckshmi. A. P., Kiruba. M., Murugapandian. N. and Preethi. S Conference : RTCSP 2009	
		98	Title of the paper : Design and Studies on Non Planar Conformal Patch Antenna for Air Borne Vehicles Authors : M.Jayakumar, Anand Selvin.S, Bharathi Ravi.K, G.S.Darwino, Harishankar.R and Jitha.R Conference : RTCSP 2009	
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		10 0	Title of the paper : Implementation of Visual Object Tracking for Computer Vision Applications: A Platform Based Approach Authors :Harish Ram.D.S, Bharath.B.Atrey and Adarsh.S Conference : RTCSP 2009	
		10 1	Title of the paper : Blind Source Separation Using Improved PSO for Adaptive Adjustment of Learning Rate Authors :N.Sathyapriya, Balaji.N, Lokesh.T.L, Maheswari.S.K, Prasanna.N and Sree Meenakshi.K.B Conference : RTCSP 2009	
		10 2	Title of the paper : Improved Eye Locating Algorithm for Driver Fatigue Monitoring Authors :Karthigha Balamurugan, Mohan Kumar.N, S.M.Kiruba Sankaran, U.Rahul, S.Suresh, M.Silambarasan and S.D.Surya Bharathi Conference : RTCSP 2009	
		10 3	Title of the paper : Efficient Parallel CRC Architecture Implementation Using VSP Techniques Authors :Mohan Kumar.N and Kamruddin Khan Conference : RTCSP 2009	
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		10 6	Title of the paper : Performance Improvement of Wavelet Packet Modulation for WLAN Using Equalization and Determination of Suitable Wavelet Pairs for Minimization of Adjacent Cell Interference Authors :E.P.Sumesh, Abin Abraham, Chidambaram.B, Mahesh.B.Nair, Rangamani.J and Sravanth.K Conference : RTCSP 2009	
		10 7	Title of the paper : Tuning of Fuzzy Controller Using Reinforced Sequential Search Based GA	

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		11 1	Title of the Paper: Fault detection in combinational logic circuits using single location at a time Authors: J.P.Anita, D. Abinaya, S.Benazir Begum, S.Devi, Rahul H Nair and P.Sidharth Name of the Conference: National conference on Micro/Nano devices, circuits and systems Duration of the Conference: April 2009 Name of the Organizer: Conference Venue: Muthayammal Engineering College, Rasipuram Page No: Proceedings Published By:	
		11 2	Title of the Paper: Design of Multiple Description Image Coding System Applying Directional Lifting Based Transform Authors:	

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		11 3	Title of the Paper: Wavelet Packet Modulation for Improved Performance of WLAN in Interference and Multi-path Environments Authors: E.P. Sumesh, Abin Abraham, Chidambaram B.,Mahesh B. Nair, Rangamani J. and Sravanth K Name of the Conference: 2nd National Conference on VLSI, Embedded Systems,Signal Processing and Communication Duration of the Conference: 8–9 April, 2009. Name of the Organizer: AarupadaiVeedu Institute of Technology , Chennai, Tamil Nadu Conference Venue: Page No: Proceedings Published By:	
		11 4	Title of the Paper: FPGA Implementation of a Low Density Parity Check Code Decoder using Min Sum Algorithm Authors: Ramesh.S.R ,Rahul.S. Name of the Conference: National Conference on Emerging trends in Communication Engineering Duration of the Conference: 21March,2009 Name of the Organizer: Department of ECE, Trichy Engineering College Conference Venue: Page No: Proceedings Published By:	
		11 5	Title of the Paper: Analysis and Performance of Planar Multi Layered Electromagnetic Absorbers for Shielding Applications Authors: Aiswariya S, Sahiti K, Sharath Krishnan, Sivaseetharaman P, Vishnuvardhan B, and Sabarish Narayanan B, Karthika R Name of the Conference: the National Symposium on Instrumentation (NSI 33), Vishakhapatnam Duration of the Conference: December 8-10, 2008. Name of the Organizer: Conference Venue: Page No: Abstract- Souvenir, pp:35-36	

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		11 6	Title of the Paper: 3D Reconstruction of Canine Impacted Tooth Authors: H.Smitha Name of the Conference: National Conference in Computing, Amrita School of Engineering Duration of the Conference: Mar, 2009 Name of the Organizer: Conference Venue: Amrita School of Engineering	
		11 7	Title of the Paper: Pedestrian Detection using Adaboost Classifier” Authors: H.Smitha Name of the Conference: National Conference on Microwave and optical communication (NCMOC 2009), Alagappa Chettiar College of Engineering and Technology, Karaikudi Duration of the Conference: Name of the Organizer: 16 Apr, 2009. Conference Venue:), Alagappa Chettiar College of Engineering and Technology, Karaikudi	
2008	International Journal	1	Title of the Paper: Mechanical and thermal properties of microfibrillar polymer-polymer composites Authors: K. Jayanarayanan, Sabu Thomas and Kuruvilla Joseph Name of the Journal: Journal of Polymer Materials Month and Year of Publication: 2008 Volume No. 25(3) Page No. 381- 386	
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		5	Title of the Paper: Morphology, static and dynamic mechanical properties of in-situ microfibrillar composites based on polypropylene/poly (ethylene terephthalate) blends Authors: K. Jayanarayanan, Sabu Thomas and Kuruvilla Joseph Name of the Journal <i>Composites Part A-Applied Science and Manufacturing</i>, Month and Year of Publication: February 2008 Volume No. Vol. 39(2) Page No. 164-75	
		6	Title of the Paper: Morphology development and non isothermal crystallization behaviour of drawn blends and microfibrillar composites from PP and PET” Authors:, K. Jayanarayanan, S.S.. Bhagawan, Sabu Thomas and Kuruvilla Joseph Name of the Journal <i>Polymer Bulletin</i> Month and Year of Publication: April 2008 Vol. 60(4) ,pp. 525-32	
		7	Title of the Paper: “Content-Based Watermarking For Image Authentication Using Independent Component Analysis,” Authors: Latha Parameswaran and K.Anbumani Name of the Journal: Informatica Journal, Month and Year of Publication: 2008. Volume No. vol. 32 Page No. 299-306 Citation index - 5	
		8	Title of the Paper: Experimental Study of the Flow Behaviour of Superplasticized Cement Paste Authors: C Jayasree and Ravindra Gettu Name of the Journal: Materials and Structures Month and Year of Publication: January 2008 Volume No.41 Page No.1581-1593 --Impact factor- 0.85 Cited by 5	
		9	Title of the Paper: A Novel Approach for the Identification of Frequency Hopping Sequence in MB-OFDM based Ultra Wide Band Systems Authors: K.A.Narayanan Kutty, Hareesh.R Name of the Journal: International e-Journal of Communication and Electronics Month and Year of Publication: Dec 2008. Volume No. Vol. 1 Page No. 9-20,	
		10	Title of the Paper: Fuzzy Based Controller for	

			Heavy Duty Gas Turbine Plant Authors: S.Balamurugan, R.Joseph Xavier, A.Ebenezer Jeyakumar Name of the Journal: Journal of Electrical Engineering Month and Year of Publication: December 2008 Volume No. Vol. 8, issue 4, ISSN 1582-4594 Page No.	
		11	Title of the Paper: ANN Controller for Heavy Duty Gas Turbine Plant Authors: S.Balamurugan, R.Joseph Xavier, A.Ebenezer Jeyakumar Name of the Journal: International Journal for Applied Engineering Research Month and Year of Publication: December 2008 Volume No. Vol. 3, issue 12, ISSN 0973-4562 Page No.	
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		13	Title of the Paper: Finding a Method for Sigma Level of Customer Complaints Authors: Dr.J.Ravichandran Name of the Journal: Month and Year of Publication: Volume No. website: www.isixsigma.com Page No.	
		14	Title of the Paper: The Performance of Treatment means in a Single-factor Experiments Using Six Sigma Metrics Authors: Dr.J.Ravichandran Name of the Journal: International Journal of Six Sigma and Competitive Advantage Month and Year of Publication: Volume No. Vol. 4, No. 2, Page No. 114 – 132	Scopus
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		18	Title of the Paper: Study of Alpha decay of super heavy elements using S Matrix and WKB methods Authors: P. Prema, S. Mahadevan, C. S. Shastry and Y. K. Gambhir Name of the Journal: International Journal of Modern Physics E Month and Year of Publication: 2008 Volume: C 77 Pages: 611-629	0.643
		19	Title of the Paper: Unified description of scattering and fusion phenomena in heavy-ion collisions Authors: Basudeb Sahu, G. S. Mallick, B. B. Sahu, S. K. Agarwalla, and C. S. Shastry Name of the Journal: Physical review C Month and Year of Publication: 2008 Volume: C 77 Pages: 2460	3.477
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	International Conference (Proceedings)	1	Title of the Paper: Finite Element Analysis of Segment Joint Sealing Efficiency Used in Solid Rocket Boosters Authors: Sivakumar, V., Palaninathan, R., Name of the Conference: Int. Conference on Aerospace Science and Technology Duration of the Conference: 26-28 June, 2008, Name of the Organizer: Conference Venue: National Aerospace Laboratory, Bangalore India. Page No: Proceedings Published By:	
		2	Title of the Paper: Evaluation of Statistical and Histogram Features for Misfire Detection in a Four Stroke Petrol Engine using Support Vector Machines Authors: Babu Devasenapati.S,	

			Ramachandran.K.I and Sugumaran.V Name of the Conference: World Conference on Soft Computing in Industrial Applications 2008 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		3	Title of the Paper: Microfibrillar composites based on blends of Polypropylene and Poly (ethylene terephthalate): Morphology development, static and dynamic mechanical properties, crystallization behaviour and dynamic rheology Authors: Jayanarayanan K, Kuruvilla Joseph, Sabu Thomas Name of the Conference: Second International Conference on Blends and Composites (ICBC-2008), Mahatma Gandhi University, Kottayam Duration of the Conference: September 22-24, 2008 Name of the Organizer: Mahatma Gandhi University Conference Venue: Kottayam	
		4	Title of the Paper: Design of Experiments for Optimizing NBR Nanocomposite Formulations Authors: Meera Balachandran, Lisha P Stanly, R. Muraleekrishnan, S.S. Bhagawan Name of the Conference: International Conference on Advances in Polymer Technology Duration of the Conference: September 24-27, 2008	
		5	Title of the Paper: Comparative Study of Removal of Fluoride from Ground Water by Bio – Sorption using Fresh Water Algae based Bio Mass and Surface Modified Activated Carbon Authors: S. Ramachandran, T. Ramachandran, T.G. Satheesh Babu, K.Nithya Name of the Conference: CHEMCON 2008, <i>Green Technology and Sustainable Development</i> Duration of the Conference: December 27-30,2008 Name of the Organizer: 61st annual session of IChE Conference Venue: Panjab University, Chandigarh, India	
		6	Title of the paper : Analysis of scattering and fusion phenomena in $^{19}\text{F} + ^{208}\text{Pb}$ system Authors : Basudeb Sahu, B. B. Sahu, P. Prema and C. S. Shastry Conference : DAE-SNP	
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			Oscillation modulated vibratory driving field in nucleus – nucleus collisions’ Authors : Basudeb Sahu, B. B. Sahu, and P. Prema Conference : DAE-SNP	
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		9	Title of the paper : S-Matrix based unified calculation of Q-values and half lives of alpha-decay of super heavy elements, Authors P Prema, S. Mahadevan, C. S. Shastry, A. Bhagawat, Y. K. Gambhir Conference :DAE-SNP	Title of the Paper:
		10	Title of the Paper: Bayes Net Classifier For Condition Monitoring of Single Point Carbide Tipped Tool’, , Canada. Authors: M. Elangovan, Ramachandran.K.I, and Sugumaran.V, Name of the Conference: International Conference on Recent Trends in Materials and Mechanical Engineering (ICMME2008), Dr. Mahalingam College of Engineering And Technology and University of Manitoba Duration of the Conference: 18 - 20 December 2008 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		11	Title of the Paper: Support Vector Machine Based Fault Diagnosis of Rotating Mechanical System Authors: M.Saimurugan, V.Sugumaran and K.I.Ramachandran Name of the Conference: International Conference on Recent Trends in Materials and Mechanical Engineering Duration of the Conference: 18-20 December 2008 Name of the Organizer: DR. MCET, POLLACHI Conference Venue: DR. MCET, POLLACHI	
		12	Title of the Paper: Support Vector Machine Based Fault Diagnosis of Rotating Mechanical System Authors:	

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		13	Title of the Paper: Experiments on a scaled natural circulation test facility Authors: Pradeep, K.P., Khardekar, A.V., Parulekar, G., Iyer K.N Name of the Conference: IAEA- International conference-Nov.2008 Duration of the Conference: Nov 17-21 Name of the Organizer: AERB& IAEA Conference Venue: Mumbai , BARC campus Page No: 263-266	
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		15	Title of the Paper: Simulations for startup transients in a natural circulation boiling loop Authors: Lakshmanan, S.P., Pradeep, K.P., Pandey, M., Iyer, K.N., Name of the Conference: ASME international conference on Nuclear Engineering, 2008(ICONE) Duration of the Conference: Name of the Organizer:ASME Conference Venue: Orlando, FL, USA Paper No: ICONE16-48406	
		16	Title of the Paper: Modeling the Creep behavior of Torsional Springs Authors: Ajith Ramesh, Dr. Kingshuk Bose, and Dr. Kevin Lawton Name of the Conference:	

			Abaqus Users' Conference-2008 Duration of the Conference: May 19 – 22 Name of the Organizer: Dassault Systemes SIMULIA INC. Conference Venue: Newport, Rhode Island, USA. Page No: 395 - 410 Proceedings Published By: DS SIMULIA INC.	
		17	Title of the paper : Common errors committed by ESL learners and Remedial English Classes Authors : Ms. K A Krishnalalitha Name of the Conference : National Conference on Language and Literature Venue : Karunya University	
		18	Title of the paper : “Play within Play as explored by Karnad in “Hayaradana” and Tughlaq” Authors : Dr. Geetha Senthilkumar Name of the Conference : National Seminar on Indian Drama in English Venue : Gandhigram Rural University, Dindigul	
		19	Title of the Paper: Multiwavelet Optimized Finite Difference Method to Solve Non Linear Schrödinger Equation in Optical Fibers Authors: E.P.Sumesh and Elizabeth Elias Name of the Conference: TENCON 2008, IEEE – Region 10 International conference Duration of the Conference: November 18 – 21, 2008 Name of the Organizer: Conference Venue: Hyderabad, Page No: Proceedings Published By:	
		20	Title of the Paper: Multiple fault diagnosis with improved resolution for VLSI Circuits Authors: J.P.Anita Name of the Conference: International conference on Emerging Microelectronics and Interconnection Technology Duration of the Conference: December, 2008 Name of the Organizer: Conference Venue: Page No: CD Proceedings Published By:	
		21	Title of the Paper: Regularity, Vanishing Moments in Multiwavelets Authors: K.A.Narayanan Kutty, K.P.Soman Name of the Conference: International Conference on Resource Utilization and Intelligent Systems (INCRUIS-2008), Duration of the Conference: January 3-5, 2008 Name of the Organizer: Kongu Engineering College, Perundurai Conference Venue: Kongu Engineering College, Perundurai	

			Page No: CD Proceedings Published By: Kongu Engineering College, Perundurai	
		22	Title of the Paper: Test Pattern Selection Algorithm Using Output Deviation Authors: S.Malligadevi Name of the Conference: International Conference on VLSI Design and Embedded Systems Duration of the Conference: February 14-16, 2008 Name of the Organizer: Velammal College of Engineering, Chennai Conference Venue: Velammal College of Engineering, Chennai Page No: CD Proceedings Published By: Velammal College of Engineering, Chennai	
		23	Title of the Paper: A Novel Hexagonal Wavelet Transform Authors: S.Veni, Name of the Conference: International Conference on Recent Trends in Computational Science Duration of the Conference: June 11-13, 2008 Name of the Organizer: Toc H Institute of Science and Technology, Ernakulam Conference Venue: Toc H Institute of Science and Technology, Ernakulam, Page No: CD Proceedings Published By: Toc H Institute of Science and Technology, Ernakulam	
		24	Title of the Paper: Air Substrate Based Shorted Rectangular Patch for Air Borne Vehicles Authors: M.Jayakumar, R.Ramanathan, Sabarish Naryanan.B, Name of the Conference: International Conference on Aerospace Science and Technology (INCAST -2008) Duration of the Conference: June 26-28, 2008. Name of the Organizer: National Aerospace Laboratories (NAL), Bangalore, Conference Venue: National Aerospace Laboratories (NAL), Bangalore Page No:139(Abstract Index) Proceedings Published By: National Aerospace Laboratories (NAL), Bangalore	
		25	Title of the Paper: Multiwavelet Optimized Finite Difference method to Solve Non Linear Schrodinger Equation in Optical Fibre	

			Authors: E.P.Sumesh Name of the Conference: International Conference (TENCON 2008) Duration of the Conference: November 18-21, 2008 Name of the Organizer: IEEE Region 10 Conference Venue: Hyderabad, Page No: CD Proceedings Published By:	
		26	Title of the Paper: Antenna Factor Computation for Planar Antenna Structures using Surface Integral Equation Authors: Sabarish Narayanan.B, Bratin Ghosh, Saswati Ghosh Name of the Conference: International Conference on Electromagnetic Interference and Compatibility (INCEMIC 2008) Duration of the Conference: November 24-27,2008 Name of the Organizer: Electronics and Radar development Establishment (LRDE), – Bangalore. Conference Venue: Electronics and Radar development Establishment (LRDE), – Bangalore. Page No: 329 - 334 Proceedings Published By: Electronics and Radar development Establishment (LRDE), – Bangalore.	
		27	Title of the Paper: ‘An improved Particle Swarm Optimization Algorithm for Data Clustering’. Authors: Karthi R., Arumugam S. and Rameshkumar K. Name of the Journal: Proceedings of the IEEE International Conference on AI tools in Engineering, Pune Month and Year of Publication: 2008 Volume No. Page No. 1-7.	
		28	Title of the Paper: Discrete Particle Swarm Optimization Algorithm for Data Clustering’. Authors: Karthi R., Arumugam S. and Rameshkumar K. Name of the Journal: ‘ In: Proceedings of the International Workshop on Nature Inspired Cooperative Strategies for Optimization (In Press), NICSO 2008, Tenerife, Spain. Month and Year of Publication: 2008 Volume No. Page No.	
		29	Title of the Paper: Support Vector Machines based Part of Speech Tagger for Asian Languages - The Pros and Cons Authors: Swapna T R Name of the Conference: International	

			conference on Asian Language Processng, Chiang Mai, Thailand, 2008 Duration of the Conference: 2008 Name of the Organizer: Conference Venue: Chiang Mai, Thailand, 2008	
		30	Title of the Paper: Optimization of Superplasticized Cement Paste and its Correlation with Fresh Concrete Behaviour Authors: C Jayasree and Ravindra Gettu Name of the Conference: International Conference on Advances in Concrete and Construction Duration of the Conference: 7-9 Feb 2008 Name of the organizer: Conference Venue: Hyderabad, India Page No: 1042-1052.	
		31	Title of the Paper: Mix design of self compacting concrete with viscosity modifying admixtures, Authors: C. Jayasree and Ravindra Gettu Name of the Conference: International Conference on Innovative World of Concrete Duration of the Conference: 11-14 December 2008 Name of the organizer: Conference Venue: New Delhi, India	
	National Conference (Proceedings)	1.	Title of the Paper : Purification of Recombinant Lipase produced from <i>Pichia pastoris</i> by Aqueous Two Phase Extractions Authors: Name of the Conference: National Conference on Recent Trends in Chemical Engineering Duration of the Conference: August 2008 Name of the Organizer: AICTE Conference Venue: St. Peters University, Chennai	
		2	Title of the Paper: titled Sir Aurobindo's Philosophy in his "Vasavadutta" Authors: Ms.Indu.B Name of the Conference: National Seminar on Indian Drama in English Duration of the Conference: Feb 07&08 2008 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		3	Title of the Paper: Common Errors committed by ESL learners & the Remedial Eng.classes Authors: Ms.K.A.Krishnalalitha Name of the Conference: National Conference on Language and Literature	

			Duration of the Conference: Nov 28,29 2008 Name of the Organizer: Conference Venue: Page No:	
		4	Title of the Paper: Play within Play as explored by Karnad in “Hayavadana and Tughlaq” Authors: Asha Priya Name of the Conference: National Seminar on Indian Drama in English Duration of the Conference: Feb 07&08 2008 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		5	Title of the Paper: Challenges and Innovations in Machine Translation Authors: Dr.Harini Jayaraman Name of the Conference: Translation Across Cultures : Linguistics Bridge Building For Global Integration Duration of the Conference: Aug 6th 7th 2008 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		6	Title of the Paper: Play within Play as explored by Karnad in “Hayavadana” and Tughlaq Authors: Dr.Geetha Senthilkumar Name of the Conference: National Seminar on Indian Drama in English Duration of the Conference: Feb 07&08 2008	
		7	Title of the Paper: titled Sir Aurobindo’s Philosophy in his “Vasavadutta Authors: Sreena.K Name of the Conference: National Seminar on Indian Drama in English Duration of the Conference: Feb 07&08 2008 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		8	Title of the paper : Common errors committed by ESL learners and Remedial English Classes Authors : Ms. K A Krishnalalitha Name of the Conference : National Conference on Language and Literature Venue : Karunya University	
		9	Title of the Paper: Improvement in Load Frequency Control of Multi Area Power System using Superconducting Magnetic Energy Storage Authors:	

			Ms.K.R.M.Vijayachandrakala,S.Balamurugan,D r.K.Sankaranarayanan Name of the Conference: National Conference on Technological Trends (NCTT 2008) Duration of the Conference: 21-22nd November, 2008 Name of the Organizer: Conference Venue: College of Engineering, Trivandrum ,Kerala Page No:	
		10	Title of the Paper: An ANN Based Three phase active filter for shunt active filter Authors: Sindhu.M.R., Manjula.G.Nair, T.N.P.Nambiar Name of the Conference: IEEE Power India Conference,2008 Duration of the Conference: 2008 Name of the Organizer: Conference Venue: New Delhi Page No:	
		11	Title of the Paper: Power Allocation Schemes for Efficient Transmission of JPEG Compressed Image over MIMO Systems Authors: R.Deepa Name of the Conference: National conference on Adaptive Sensors and Intelligent Systems (NCASIS 08) Duration of the Conference: October 24-25, 2008 Name of the Organizer: Sri Ramakrishna Engineering College, Coimbatore Conference Venue: Sri Ramakrishna Engineering College, Coimbatore Page No: CD Proceedings Published By: Sri Ramakrishna Engineering College, Coimbatore	
		12	Title of the Paper: Design and Analysis of Compact and Highly Selective Band Pass Filter for use in non invasive Bio Medical sensing using Ultra Wide Band Communications and Radar Technology Authors: Ramanathan.R,Isvarya Luckshmi.A.P, M.Murugapandian.N, Preethi.S, Veerabhathran.A Name of the Conference: National Symposium on Instrumentation (NSI 33) Duration of the Conference: December 8-10, 2008 Name of the Organizer: Instrument Society of India, AU College of Engineering, Andhra University, Vishakhapatnam Conference Venue: AU College of Engineering, Andhra University, Vishakhapatnam Page No: 60(Abstract Index)	

			Proceedings Published By: Instrument Society of India, AU College of Engineering, Andhra University, Vishakhapatnam	
		13	Title of the Paper: Design and Analysis of Coplanar Concentric Annular Ring Microstrip Antenna Based tracking System for Wireless Sensors Authors: Jayakumar.M, B.Anooja, K.Deepika, M.Manimekalai, K.C.Shanmugapriya,K.Sriram,Vishnu Vijay Name of the Conference: National Symposium on Instrumentation (NSI 33) Duration of the Conference: December 8-10, 2008. Name of the Organizer: Instrument Society of India, AU College of Engineering, Andhra University, Vishakhapatnam Conference Venue: AU College of Engineering, Andhra University, Vishakhapatnam Page No: 59(Abstract Index) Proceedings Published By: Instrument Society of India, AU College of Engineering, Andhra University, Vishakhapatnam	
		14	Title of the Paper: An Integral Equation Based Analysis technique for Fault Detection in Cables using Static Fields Authors: Sabarish Narayanan.B, Ankith Agarwal, Desu Srinaren, S.Geetha, MinuMariam Jacob, K.Ravi Teja Name of the Conference: National Symposium on Instrumentation (NSI 33) Duration of the Conference: December 8-10, 2008. Name of the Organizer: Instrument Society of India, AU College of Engineering, Andhra University, Vishakhapatnam, Conference Venue: AU College of Engineering, Andhra University, Vishakhapatnam Page No: 67 (Abstract index) Proceedings Published By: Instrument Society of India, AU College of Engineering, Andhra University, Vishakhapatnam	
		15	Title of the Paper: Analysis and Performance of Planar Multi Layered Electromagnetic Absorbers for Shielding Applications Authors: Sabarish Narayanan.B, Karthika,R,Aiswarya.S, Sahithi.K, Sharath Krishnan, Sivaseetharaman.P, Vishnu Vardhan.B Name of the Conference: National Symposium on Instrumentation (NSI 33) Duration of the Conference: December 8-10, 2008. Name of the Organizer: Instrument Society of India, AU College of Engineering, Andhra University, Vishakhapatnam Conference Venue: AU College of Engineering,	

			Andhra University, Vishakhapatnam Page No: 35(Abstract Index) Proceedings Published By: Instrument Society of India, AU College of Engineering, Andhra University, Vishakhapatnam	
		16	Title of the Paper: A 4 GHz clock Synchronized, Non coherent Energy Collection approach based Transceiver Authors: K.A.Narayanan Kutty, U.Bala Maheshwaran, Reshmi Raj, Sindhu Tharangini Name of the Conference: National Symposium on Instrumentation (NSI 33) Duration of the Conference: December 8-10, 2008. Name of the Organizer: Instrument Society of India, AU College of Engineering, Andhra University, Vishakhapatnam Conference Venue: AU College of Engineering, Andhra University, Vishakhapatnam Page No: 72(Abstract Index) Proceedings Published By: Instrument Society of India, AU College of Engineering, Andhra University, Vishakhapatnam	
		17	Title of the Paper: Design of VLSI based low power power supply for Bio Medical Applications Authors: R,Sundararajan,R.Thanesh,R. Arun Ramnath, D.Dhivya, N.Lakshmi Narayanan, R.Shobana Name of the Conference: National Symposium on Instrumentation (NSI 33) Duration of the Conference: December 8-10, 2008. Name of the Organizer: Instrument Society of India, AU College of Engineering, Andhra University, Vishakhapatnam Conference Venue: AU College of Engineering, Andhra University, Vishakhapatnam Page No: 69(Abstract Index) Proceedings Published By: Instrument Society of India, AU College of Engineering, Andhra University, Vishakhapatnam	

Poster Presentation	Abhirami M.,Akhil Manikkoth,Shruthi M.B.,Gandhiraj R.,KP Soman, Low cost digital transceiver design for software defined radio using Rtl-Sdr, IBM Conference (poster presentation).Presented in Oct.2012.

Poster Presentation	Title of the paper: A Granular approach for prediction and grading of Diabetic maculopathy Women in Machine Learning Author: T R Swapna

		2012 on 03 Dec 2012, Nevada, USA accepted.				
113		Research	Fuzzy Support Vector Machine-based Multi- agent Optimal Path Defence Science Journal		0.239	CSE

Annexure – Evaluative Report – Item 25 – Faculty Visits

S. No	Faculty name	Designation	Name of outside institution	Date	Theme of visit, and outcomes
Department of Electrical and Electronics Engineering					
1	Dr. K. K. Sasi,	Professor	Uppsala University, Sweden	April 2008 – May 2008	Visiting Professor
2	Dr. K. K. Sasi,	Professor	KTH University, Sweden	June 2012	As a part of funded project – Energy Management on Smart Grid using Embedded Systems ;Collaboration of using Embedded system in the field of Smart grid
3	Dr. T. B. Isha,	Professor	KTH University, Sweden	June 2012	As a part of funded project – Energy Management on Smart Grid using Embedded Systems; Collaboration of using Embedded system in the field of Smart grid
4	Mr. S. Nithin,	Junior Research Fellow	KTH University, Sweden	March 2013 - May 2013	As a part of funded project – Energy Management on Smart Grid using Embedded Systems; Collaboration

					of using Embedded system in the field of Smart grid
5	Mr. P. Sivraj,	Assistant Professor	KTH University, Sweden	May 2013 – June 2013	As a part of funded project – Energy Management on Smart Grid using Embedded Systems; Collaboration of using Embedded system in the field of Smart grid
Department of Chemical Engineering and Materials Science					
International Level:					
S. No	Faculty name	Designation	Name of outside institution	Date	Theme of visit, and outcomes
1	Dr.Duraisamy Kumaresan,	Assistant Professor	ACS 2012, Sandiego, USA	23-30 March,2012	Presented a paper on Photophysical Studies on Terpyridyl Platinum(II) Chromophore-Electron Acceptor Dyads for the Photocatalytic Hydrogen Generation from Water
National level:					
S. No	Faculty name	Designation	Name of outside institution	Date	Theme of visit, and outcomes
1	Dr. Sriram Devanathan	Professor, Chemical Engineering Department	INCCOM-10, R&DE Pune	18-19 January,2011	Design of Experiments and Measurement

					Analysis for Composites
			Vikram Sarabhai Space Center, Trivandrum	25 th -26 th Oct 2010	Two-day Workshop for VSSC Employees (Scientists & Engineers) on the Topic, Quality Control for Composites
			Recent Advances in Chemical Engineering & Technology, IChE, Kochi, Sponsored by RACET/IChE	10-12 2011, March	Six Sigma – concepts and applications for chemical engineering
2	Dr.Uday Bhaskara reddy R	Asst.Professor (Selection Grade)	Kongu Engineering College, Erode – 638 052	16 March, 2013	Chemical Control Strategies and the Contribution of Green chemistry for Sustainable Development
			Erode Sengunthar Engineering College, Erode – 638 057	23 February, 2013	Co-Chair the Paper Presentation Session
			Erode Sengunthar Engineering College, Thudupathi – 638 057	30 December, 2011	Computer Applications in Chemical Engineering (UG Students and Faculty)
3	Dr. Murali Rangarajan	Associate Professor	Sree Krishna College of Engineering	August 2011	Faculty Development Programme

			and Technology, Coimbatore		
			Sri Parasakthi College for Women, Courtallam	March 2011	State Level Symposium on Advances in Physics
			Adhiyamaan College of Engineering, Hosur	6-7 October, 2009	National Seminar on Control of Nonlinear Systems
			NCE-16, 16 th National Convention of Electrochemist s	15-16 December, 201 1	Chaired Two Sessions
4	Dr. S.S. Bhagavan		M.G. University	October 2012	Nanocomposite s : Property dependence on filler shape and content; ICNP2012(Sess ion Chair)
			GAIL, Chennai –IPI Coimbatore Chapter Meeting	February 28, 2012	Engineering Plastics : An Overview(Indu stry Employees)
			John F Welsch Tech Centre, Bangalore	March 16, 2012	Polymer Nanocomposite s : Property Optimisation using Design of Experiments
			Polycon 2011, SJCE, Mysore	April 25-26, 2011	Mechanical characterisation of polymer composites for structural applications
			Recent trends in Industrial and Automotive Rubber	20 August, 2010	Application of DoE in product/process development

			Components, IRMRA/AIR IA, Coimbatore,		
			Intl Conference on Latests in Polymers [LaP10], JJ Murphy Research Centre, Ernakulam	12 August, 2010	Elastomer-based Nanocomposites
			Hindusthan College of Engg & Tech; Coimbatore	February 2010	Polymer Composites in Space Technology
			Yenepoya University, Mangalore	February 2009	Applications of polymers in space technology, during Workshop on 'Emerging trends in specialty polymers',
			IPI meeting, Coimbatore	November 2008	Engineering Polymers
			MACRO 08,SJCE, Mysore	May 2008	Applications of DoE
			Indian Plastics Institute, Coimbatore Chapter, AG Meeting	May 2008	Design of Experiments for the Plastics industry (Industry members)
			National Seminar on Green Materials, Bishop Moore College, Mavelikara	February 27, 2013	Plenary talk delivered
5	Mr. Vinoj Vasu	Assistant Professor	Indian Plastics	17 July,2009	Principles of Plastics Product

			Institute-Coimbatore sub Chapter		Design
6	Dr. M. Kannan,	Assistant Professor	Indian Plastics Institute-Coimbatore sub Chapter	6 th September, 2008	Polymer Structure and Property Relationship
7	Dr. Meera B. Sasikumar	Assistant Professor	Indian Plastics Institute-Coimbatore sub Chapter	11 th October, 2008	Flow behavior plastics in processing equipment
			Faculty Development Program on Control Engineering, Amrita School of Engineering, Coimbatore	2- 4 th January 2013	Process Control in Chemical Industries
			Rubber Research Institute of India, Kottayam	7, July 2012	One day program on Design of Experiments with special reference to life time prediction in rubber products
8	Dr. Kumaresan,	Assistant Professor	Advanced nanomaterials conference - 2012	August 2012	Presented poster on dye sensitized solar cells
			ISAMPE Technical Session and Annual General Body Meeting	23 July 2010	Presented ISAMPE invited talk on dye sensitized solar cells
			ISAMPE Annual General Body Meeting	July 2012	Presented ISAMPE Coimbatore Chapter Report
Department of Information Technology					
	Faculty Name	Designation	Name of outside	Dates	Theme of visit

			Institution		
1.	Prashant.R.N air	Vice Chairman - IT	Sofia University, “St Kliment Ohridski”, Bulgaria, Europe	April – June 2009	Visiting Faculty at the department of software engineering of Sofia University. Sponsored as Erasmus Mundus fellow by European Commission as part of Indo- European exchange programme, “Eureca”.
Department of Mechanical Engineering					
S. No .	Faculty name	Designation	Name of outside institution	Dates	Theme of visit
1.	Dr. S. Thirumalini,	Professor	Chrysler Group, US	April, 2010	Possible collaborative joint work
MSW					
1.	Dr. K R Priya		Kerala University,		
			IGNCA(Indira Gandhi National Centre for Arts –Ministry of HRD Govt. of India),		
			PN Panickar Foundation Govt. of Kerala,		
			Anthropologic al Survey of India – Ministry of Culture Government of India		

Aerospace					
1	Dr. V. Sivakumar	Associate Professor	KPR Institute of Engineering and Technology, Coimbatore	25 August 2012	“Mechanics of Laminated Composites” in Two Days Workshop on Composite Materials
2	Dr. V. Sivakumar	Associate Professor	All India Radio-Coimbatore, Educational Broadcast	16 April 2012	“What We Do in Aerospace Department at the University”
3	Dr. V. Sivakumar	Associate Professor	Karpagam University, Coimbatore	28 September 2011	“Aero Structures” in the Department of Aeronautical Engineering
CSE					
1.	Ms. V.Smrithi Rekha	Assistant Professor	University of L’Aquila, Italy as a part of the MIUR Young Researchers Exchange Program	October 2010-October 2012	worked with the Software Architecture Research group under the guidance of Prof. Henry Muccini. The main focus of the research was to design models and tools to manage Software Architectural Design Decisions. The tool will help practioners make multi-criteria decisions and document evolving architecture decisions.

Annexure – Evaluative Report – Item 27 - Faculty recharging strategies

Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions**

EEE						
2012-2013						
S. No.	School Name	Department Name	Programme Name	Dates: (DD/MM/YYYY to DD/MM/YYYY)	# Attendees*	Location / Venue
1	ASE, Coimbatore	EEE	Control Engineering	02/01/2013 to 04/01/2013	All Faculty Members of EEE, 8 External Participants	ASE Coimbatore
2	ASE, Coimbatore	EEE	Principles of Management	05/06/2013 to 07/06/2013	16	ASE Coimbatore
3	ASE, Coimbatore	EEE	Power System Modeling and Simulation	08/07/2013 to 11/07/2013	All Faculty Members, 18 External Participants, 16 M.Tech. Students	ASE Coimbatore
2012-2011						
4	ASE, Coimbatore	EEE	Conducting Electrical Workshop	08/08/ 2011	16	ASE, Coimbatore
5	ASE, Coimbatore	EEE	Special Electric Machines and Drives	11/06/2012 to 14/06/2012	28	ASE, Coimbatore
6	ASE, Coimbatore	EEE	Wind Energy and Power Systems Software	09/07/2012 to 11/07/2012	All Faculty Members	ASE, Coimbatore
2011-2010						
7	Amrita School of Engineering	EEE	FDP on Electrical Engineering	20/06/2011 to 24/06/2011	All faculty members from EEE dept	Coimbatore
8	Amrita School of	EEE	FDP on Wind Energy	27/06/2011 to	All faculty members	Coimbatore

	Engineerin g		Course	30/06/2011	from EEE dept.	
9	Amrita School of Engineerin g	EEE	FDP on IT applications in power system	8/12/2010 to 10/12/2010	All faculty members from EEE dept.	Coimbat ore
2010-2009						
10	ASE, Coimbatore	EE E	International Workshop on Advances in Electrical and Electronics Engineering	7/12/2009 to 11/12/2009	12	Coimbat ore
11	ASE, Coimbatore	EE E	FDP on power system management	02/06/2010 to 04/06/2010	13	Coimbat ore
12	ASE, Coimbatore	EE E	Amrita Workshop on Energy Efficiency in Building, Codes & Rating	30/07/2009 to 31/07/2009	3	Coimbat ore
13	ASE, Coimbatore	EE E	Photochemic al conversion of solar energy	30/03/2010 to 31/03/2010	3	Coimbat ore
2009-2008						
14	ASE Coimbatore	EEE	Fundament als of Electromagn etics	11/08/2008 to 21/08/2008	3	Coimbat ore
15	ASE Coimbatore	EEE	Non-Linear Dynamics and Chaos in Engineering	3/12/2008 to 05/12/2008	12	Coimbat ore
16	ASE Coimbatore	EEE	Laboratory courses in Electrical and Electronics Engineering	15/06/2009 to 19/06/2009	29	Coimbat ore

17	ASE Coimbatore	EEE	Signals and Systems	29/06/2009 to 3/07/2009	7	Coimbatore
18	ASE Coimbatore	ECE	Support Vector Machines & Applications	11-13 May 2009	1	Coimbatore
19	ASE Coimbatore	EEE	Windows XP Embedded Training with SP2 Feature Pack 2007	June 24-25 2009	3	Coimbatore
20	ASE Coimbatore	EEE	Windows CE Professional – A Real Time Operating System	June 2009	3	Coimbatore
21	ASE Coimbatore	EEE	Instructional Technology		3	Coimbatore
22	ASE Coimbatore	EEE	EE100- Electrical Engineering	30/06/2008 to 04/07/2008	20	Coimbatore
<u>Chemical</u>						
1	Amrita School, of Engineering	Departme nt of Chemical Engineeri ng	Chemical Process Modeling & Simulation	June 10- 15, 2013	40	Coimbatore
<u>Civil</u>						
1	Amrita School of Engg.	Electrical and Electroni cs Engg.	IETE sponsored workshop on “Computing Technologie s for Power Systems”	13/12/20 10 to 17/12/20 10	Dr.K.M. Mini	Amrita School of Engg., Coimbatore
2	Amrita school of Engg.	Civil Engg.	National Seminar “Seismic Design of Structures”	17 th March 2012	40	Amrita School of Engg., Coimbatore

Mechanical Engineering

2008-2009

S · N o ·	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/Y Y to DD/MM/Y Y)	Number of Participants		Source of Funding	Seminar / Workshop Outcome
1	Short Term Training Programme on Product Design for Environment & Faculty Awareness Camp on Entrepreneurship	30-06-2008 TO 07-07-2008	Local	30	Short Term Training Programme on Product Design for Environment & Faculty Awareness Camp on Entrepreneurship	
			Within State	100		
			Outside State	75		
2	Sixth International Conference on PRECISION, MESO,MICRO AND NANO ENGINEERING	10-12-2009 TO 11-12-2009	Local	200	AICTE	Sixth International Conference on PRECISION, MESO,MICRO AND NANO ENGINEERING
			Within State	250		
			Outside State	200		
3	Society of Automotive Engineers - BAJA Workshop	13-06-2009 TO 14-06-2009	Local	200	SAE - CLUB	Society of Automotive Engineers - BAJA Workshop
			Within State	400		
			Outside State	100		
4	Society of Automotive Engineers - INDIA National Convention	05-10-2009 TO 06-10-2009	Local	800	Amrita Vishwa VidyaPeetham & SAE - CLUB	Society of Automotive Engineers - INDIA National Convention
			Within State	NIL		
			Outside State	NIL		
5	National Instruments -Lab View Workshop	10-04-2010	Local	35	Amrita Vishwa VidyaPeetham	National Instruments - Lab View Workshop
			Within State	NIL		
			Outside State	NIL		
6	Society of Automotive Engineers – Technical Lecture	16-08-2010	Local 1273	400	SAE - CLUB	Society of Automotive Engineers – Technical Lecture

7	Association of Mechanical Engineers (Value Engineering)	22-09-2010	Local	400	Amrita Vishwa VidyaPeetham	Association of Mechanical Engineers (Value Engineering)

2009-2010						
S. No.	School Name	Department Name	Programme Name	Dates: (DD/MM/YY to DD/MM/YY)	# Attendees **	Location / Venue
8	ASE	Mechanical Engg.	NI LabVIEW Hands on training	10/4/2010	All the faculty of Mechanical Engg.	CAD/CAM Lab, ASE, Coimbatore.

2010-2011						
9	Amrita School of Engineering	Mechanical Engineering	2 week ISTE WORKSHOP ON Thermodynamics under the National mission on education through ICT (MHRD, Govt of India) Conducted by IIT, Bombay	14 th to 24 th June 2011		Amrita School of Engineering, Coimbatore
10	Amrita School of Engineering	Mechanical Engineering	2 week ISTE WORKSHOP ON Heat transfer under the National mission on education through ICT (MHRD, Govt of India) Conducted by IIT, Bombay	29 th Nov to 10 th Dec 2011		Amrita School of Engineering, Coimbatore

2011-12						
S. No	Name of the faculty.	Program Name	Dates: (DD/MM/YY to DD/MM/YY)	# Attendees **	Location / Venue	

11	Dr. Ajith Ramesh	Workshop on “ FEM on Practical Stem analysis”	12/12/2011 to 13/12/2011		Amrita School of Engineering, Amrita Nagar, Coimbatore
12	Dr. Joshi C Haran	Workshop for Teachers : “Introduction to Research Methodologies ”	25/06/2012 to 04/07/2012		Amrita School of Engineering, Amrita Nagar, Coimbatore
13	Padmanabhan R	Two Days workshop on “ Welding & NDT”	31/03/2012 to 01/04/2012	80 Students+ 3 Faculty	Seminar Hall, Amrita School of Engineering, Amrita Nagar, Coimbatore
14	Krishna Kumar P	Two Days Workshop on “Recent Trends in Machining”	25/08/2011 to 26/08/2011	35	Amrita School of Engineering, Amrita Nagar, Coimbatore
15	Sathish Kumar V R	Introduction to Operations Management	09/07/2012	30	Amrita School of Engineering, Amrita Nagar, Coimbatore
16	Devi Parvathy S	ISTE Workshop on “Heat Transfer”	29/11/2011 to 09/12/2011	16	Amrita School of Engineering, Amrita Nagar, Coimbatore
17	Dr.S.Babudevasena pathi	IIT Bombay Seminar on “Solar Photovoltaics: Fundamentals, Technologies and Applications” 2 nd	12/12/2011 to 22/12/2011		Amrita School of Engineering, Amrita Nagar, Coimbatore
18	Dr. Ramesh Kumar K , Dr.M.Elangovan	International Conference on “Simulation Modeling and Analysis”	14/12/2011 to 16/12/2011		Amrita School of Engineering, Amrita Nagar, Coimbatore
S. N o	Name of the faculty.	Program Name	Dates: (DD/MM/Y Y to DD/MM/Y Y)	# Attendees	Location / Venue

19	Dr. Joshi C Haran	Workshop for Teachers : “Introduction to Research Methodologies”	25/06/2012 to 04/07/2012	30	Amrita School of Engineering, Amrita Nagar, Coimbatore
20	Dr. Joshi C Haran	Engineering Thermodynamics	11/12/2012 to 21/12/2013	10	Amrita School of Engineering, Amrita Nagar, Coimbatore
21	Dr. Joshi C Haran	Research Methods in Educational Technology	2/2/2013 to 9/2/2013	2	Amrita School of Engineering, Amrita Nagar, Coimbatore
22	Mr. S.Karthick	Computational Fluid Dynamics	12/6/2012 to 22/06/2012	6	Amrita School of Engineering, Amrita Nagar, Coimbatore
23	Dr.S.Babudevasenapathi	AAKASH FOR EDUCATION	10/11/2012 to 11/11/2012	99	Amrita School of Engineering, Amrita Nagar, Coimbatore
24	Dr.S.Babudevasenapathi	Aakash Android Application Programming Workshop for Students	23/2/2013 & 24/02/ 2013 and 2/3/2013 & 3/3/2013	100	Amrita School of Engineering, Amrita Nagar, Coimbatore

ECE

S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Source of Funding	Seminar / Workshop outcome
1.	Two Week ISTE Workshop on BASIC ELECTRONICS	June 28- July 8, 2011	MHRD (NMCEIT)	
2.	Ten Day ISTE Workshop on Analog Electronics	June 4-14, 2013	MHRD (NMCEIT)	

ECE

S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM /YY to DD/MM/	# Amrita Faculty Participants***

				YY)	
1.	IIT Bombay	Mumbai	Workshop on SCILAB	December 20-24, 2010	M.Geethapriya
2.	Anna University – Coimbatore	Coimbatore	Workshop of Radio Frequency Engineering	January 24, 2011	Dr.M.Jayakumar B.Sabarish Narayanan
EEE					
Sl. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/Y Y to DD/MM/Y Y)	Amrita Faculty Participants (From Electrical Dept.)
1	Kongu Engineering College	Erode	Soft computing Techniques for Industrial Automation	15.02.2008 to 16.02.2008	Mr. R.Shanmughasundaram, Mr. S.R. Mohanrajan
2	Indian Institute of Science	Bangalore	DSP Algorithms and processors	18.02.2008 to 22.02.2008	Mr. R.Shanmughasundaram
3	SSN College of Engineering	Chennai	Wireless Sensor Networks	18.04.2008 to 19.04.2008	Ms. S.Esakki Anandha Suba
4	IIT	Chennai	Wireless Digital Communication – Theory & Practice	05.05.2008 to 10.05.2008	Ms. P. Supriya, Ms. S.Esakki Anandha Suba
5	Amrita School of Engineering	Amritapuri	Power System Simulation	15.05.2008 to 21.05.2008	Mr. P.V.Gopi, Mr. S.Kumaravel, Mr. S.A. Lakshmanan
6	NIT	Calicut	Power System Distribution & Power Quality	09.06.2008 to 12.06.2008	Mr. S.Kumaravel
7	NIT	Calicut	Entrepreneurship and Management	13.06.2008 to 16.06.2008	Mr. S.Kumaravel
8	NIT	Trichi	Power Electronics	12.11.2008 to 14.11.2008	Ms. V. Vanitha, Mr. S. Sampath Kumar
9	SSN College of Engineering	Chennai	Application Technology and recent	27.02.2009 to 28.02.2009	Mr. R.Shanmugasundaram, Ms.

			trends in Underwater communication		S.Esakki Anandha Suba
10	USAID	Chennai	A Beacon to The Future-India's path towards Low Carbon Lighting	07.04. 2009	Dr. K.K. Sasi
11	Amrita School of Engineering	Amritapuri	Soft Computing Technologies	13.05.2009 to 16.05.2009	Mr. S.Sampath Kumar, Mr. R.Shanmughasundaram
12	Coimbatore institute of Technology	Coimbatore	Power Quality and Energy Management Perspectives in Indian industries	24.07.2009 to 25.07.2009	Ms. G.Tharani, Ms. V.Vanitha
13	PSG Polytechnic College	Coimbatore	Mobile Wireless Application Development	25.09.2009 to 26.09.2009	Ms. D. Prasanna Vadana, MR. R. Shanmugasundaram
14	VIT	Vellore	ARM Processors	22.10.2009 to 25.10.2009	Mr. R .Shanmuga Sundram
15	IIT	Chennai	Recent Trends in Condition Monitoring of Power Apparatus and Systems	26.10.2009 to 30.10.2009	Ms. D. Kavitha
16	Confederation of Indian industries	Coimbatore	Energy conservation and sustainable development	November 2009	Mr. Sarath.S.Nair
17	IIT	Delhi	Recent Advances in sustainable Energy	15.12.2009 to 16.12.2009	Ms. A.Vijayakumari , Mr. S.Sampath Kumar
18	Sri Krishna College of Engineering	Coimbatore	Wind Energy Technology	20 .2.2010	Ms. V.Vanitha
19	Karunya	Coimbatore	Production of	08.04.2010	Mr. S.

	University		Liquid Fuels From Waste by Pyrolysis		Selvakumar
20	NIT	Calicut	LabView and its applications	13 .06.2010 to 19 .06.2010	Mr. S. Sampath Kumar, Ms. S. Esakki Anandha Suba
21	NIT	Calicut	LabView and its applications	21.06.2010 to 02.07.2010	Mr. S. Sampath Kumar
22	NIT	Calicut	Micro Grid & Distributed Generation		
23	Centre for renewable energy, Karunya University	Coimbatore	One day workshop on production of liquid fuels from waste by pyrolysis	08.10. 2010	Mr. S. Selvakumar
24	Coimbatore Institute of Technology	Coimbatore	Workshop on Arm Processors	17.01.2011	Mr. R. Shanmugha sundaram
25	IEEE Madras Section, Sona College of Technology.	Salem	Advanced Controllers for Electric Drives	18.01.2011 to 19.01.2011	Mr. R. Shanmugha sundaram, Ms. P.C. Sandya
26	Hindustan College of Engineering	Coimbatore	Digital Signal Processing	28 .01.2011	Ms. N. Aarthi
27	IIT (SAHGE -2011)	Chennai	Self Awareness and Higher Goals In Education	21.06.2011 to 25.06.2011	Mr. R. Shanmugha sundaram, Mr. S.R. Mohanrajan
28	Coimbatore Institute of Engineering and Technology	Coimbatore	Special Electrical Machines	16.09.2011 to 17.09.2011	Ms. R.R. Lekshmi
29	CPRI	Bangalore	Workshop on Generator Protection	26.09.2011 to 27.09.2011	Dr. K.C. Sindhu Thampatty
30	CPRI	Bangalore	Partial Discharge in High Voltage Electrical Equipments	03.11.2011 to 04.11.2011	Ms. D. Kavitha
31	Centre for Wind Energy Technology(C-	Chennai	National Training Course on	28.12.2011 to 30.12.2011	Ms. M. Jisma, Mr. T. Prabu

	WET		Wind Energy Technology		
32	C-WET	Chennai	Training on Wind Resource Assessment software	10.01.2012	Ms. M. Jisma, Mr. T. Prabu
33	CPRI	Bangalore	Modeling and Simulation of Power system Components	06.02.2012 to 07.02.2012	Ms. R.R. Lekshmi
34	IWPA and WWEA	Coimbatore	3 rd International workshop on Wind Energy WE20 by 2020	05.02.2012 to 07.02.2012	Dr. T.B. Isha, Dr. S. Balamurugan, Mr. S. Selvakumar, Mr. T. Prabu, Ms. M. Jisma
35	ARM Limited and IISC Bangalore	PSG Tech., Coimbatore	Understanding the ARM	10.03.2012 to 11.03.2012	Mr. Sivraj P
36	Texas Instruments	Amrita School of Engineering, Bangalore	Texas Instruments C2000 Microcontroller for digital power and control application	13.03.2012 to 14.03.2012	Mr. R. Shanmugasundaram and Mr. P. Prajof
37	Texas Instruments	Bangalore	Six day Train-the-Trainer Program on Analog System Design	26.03.2012 to 31.03.2012	Mr. K. Vijith
38	ATMEL, IIT Madras	Chennai	ATMEL Controllers	03.05.2012 to 04.05.2012	Mr. P. Sivraj
39	M/s ARM Embedded Systems Pvt. Ltd. and Agricultural Engineering College and Research Institute	Coimbatore	NXP LPC1768 ARM-32 bit Cortex-M3 Microcontroller with MPU	21.07.2012 to 22.07.2012	Mr. N. Krishna Prakash, Mr. P. Sivraj, Mr. K. Vijith
40	VIT, Vellore	Vellore	Challenges and Prospects	27.07.2012 to	Mr. S. Selvakumar

			in Power system using Biomass	28.07.2012	
41	VIT, Vellore	Vellore	Embedded Application Development using LabVIEW	28.07.2012 to 29.07.2012	Mr. N. Krishna Prakash
42	CPRI	Bangalore	Workshop on Generator Protection	27/09/2012 to 29/09/2012	Dr. V. Vanitha
43	Coimbatore Institute of Technology	Coimbatore	Workshop on Design, Simulation and Analysis of Brushless permanent magnet motor	09/11/2012 to 10/11/2012	Dr. V. Vanitha
44	PSG College of Technology	Coimbatore	Simulation and Analysis of Brushless Permanent Magnet Motor	09/11/2012 to 10/11/2012	Ms. R.R. Lekshmi
45	Texas Instruments	Bangalore	Train the Trainer Program on Embedded Software Development on Beagle Bone Platform	14/11/2012 to 15/11/2012	Mr. P. Sivraj, Mr. K. Vijith
46	Robert Bosch	Coimbatore	Advanced training programme on Bosch Diesel and gasoline engine management system	21/11/2012 to 23/11/2012	Ms. P. Maya
47	CPRI	Bangalore	Workshop on Latest Trends in Smart Metering	03/12/2012 to 04/12/2012	Dr. S. Balamurugan
48	Texas Instruments	Bangalore	workshop on Embedded Android on Beagleboard	04/12/2012 to 07/12/2012	Mr. N. Krishnaprakash

49	Coimbatore Institute of Technology	Coimbatore	Energy efficient Embedded systems Using MSP430 Launchpad	08/12/2012	Mr. A. Suyampulingam, Mr. N. Krishnaprakash
50	Centre for Wind Energy Technology (CWET)	Chennai	Workshop on Wind Energy Technology	12/12/2012 to 14/12/2012	Ms. A. Vijayakumari, Mr. S.R. Mohanrajan
51	College of Engineering Trivandrum, CDAC	Trivandrum	Design and control of grid connected converters	17/12/2012 to 19/12/2012	Ms. A. Vijayakumari
52	NIT, Trichi	Trichi	Wind energy electric conversion systems	04/01/2013 to 05/01/2013	Mr. A. Suyampulingam, Mr. N. Krishnaprakash
53	CPRI	Bangalore	workshop on Smart Transmission Grid	07/02/2013 to 08/02/2013	Dr. M.R. Sindhu, Ms. R.R. Lekshmi, Mr. P. Sivraj, Mr. S. Nithin
54	SEEM	Kochi	Business Meet on Solar PV	07/02/2013 to 08/02/2013	Mr. K. Vijith, Mr. P. Prajof
55	VIT	Chennai	Advanced Digitalized Controller Application for Power Electronics and Drives	15/02/2013	Mr. N. Krishnaprakash
56	VIT	Chennai	Recent Trends and Advancement in Electrical Drives and Control	15/03/2013	Mr. T. Prabu
57	NPTI	Neiveli	Workshop on Smart Grid	20/03/2013 to 22/03/2013	Dr. S. Balamurugan
58	Coimbatore Institute of Technology	Coimbatore	Latest trends in Test and Measurement Technology	21/03/2013	Ms. A. Vijayakumari
59	Coimbatore	Coimbatore	Workshop on	22/03/2013	Dr. R.

	Institute of Technology		on Hybrid Electric Vehicles and future personal transportation	to 23/03/2013	Jayabarathi, Mr. R. Shanmugasundaram
60	PSG College of Technology	Coimbatore	National Workshop on LV Switch Gear and Reactive Power Management Techniques	05/04/2013 to 06/04/2013	Mr. N. Kathiravan, Ms. M. Jisma, Mr. Anu G. Kumar
Cyber					
S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants***
1	NIT Calicut	Calicut	MHRD-AICTE sponsored FDP on LINEAR ALGEBRA AND ITS APPLICATIONS	July 8-12, 2013	Dr. K. P. Gireesh, Research Associate, Mr. Praveen K., Asst. Prof. Mr. Rajeev K., JRF
English					
S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants***
1	Cambridge University British Council,	Coimbatore	IELTS Train the Trainer Workshop British Council	1/3/2013 To 03/03/2013	Dr. Geetha Senthilkumar & Ms.K.A.KRISHNA LALITHA K.A
2	Winspire	Chennai	St.Joseph's College of Engineering at Chennai	from Feb 13 th to 19 th 2013	Dr. Geetha Senthilkumar
3	A One day workshop on Use of Technology in Language Classrooms” forLanguage	Amrita Vidyalayam, Chennai	A One day workshop on “ Use of Technology in Language Classrooms”	28 July, 2012	Dr.Harini Jayaraman

	Teachers of Amrita Vidyalayam, Chennai				
4	Infosys Ltd.	Mysore	Deep Dive Faculty Enablement Programme on Business English	24-7-2012 - 26-7-2012	Ms.Ambika & Dr.Geetha Senthilkumar
5	Sri Avinasilingam University, Coimbatore	Coimbatore	Delivered an invited lecture on “Feminism VS.Womanis m”	on 14 th Dec, 2011	Dr.Harini Jayaraman
6	Cambridge ESOL	Coimbatore	BEC Refresher Program (De veloping workplace Communicati on Skill of Young Graduates	July 11- 2012	Dr.Geetha Senthilkumar & Ms.Karthikeyan i
7	BEC Refresher Program	Chennai	Workshop for trainers of Cambridge Business Certificate (BEC)	22/09/2011	Dr.Geetha Senthilkumar
8	‘organized by UIT – college Coimbatore for LGP Employees	Coimbatore	Effective Communicati on Programme’	June – July 2011	Dr.Geetha Senthilkumar
9	Academic Staff College, University of Madras secured ‘A’ Grade		‘Participated in intensive Training programe’ Tamilnadu state council for Higher education and UGC	4/5/2011 – 2/6/2011	Dr.Geetha Senthilkumar
1 0	Dr.N.G,P Institute of Technology	Coimbatore	Faculty Development Programme on Teacher surpasses: Reinventing	July 2011	I. Nandhini

			classroom dynamics-Towards enhancing learner autonomy		
Chemical					
S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM /YY to DD/MM/YY)	# Amrita Faculty Participants***
1	IIT Madras	Department of Chemical Engineering, IIT Madras.	Applications of Molecular Simulations in Research and industry	14 - 18 th Jan 2013	2
2	M.G. University	Kottayam	India-Israel Conference on Nanomaterials, M.G. University	Jan 2013	2
3	Petrotech Society	Gandhinagar, Gujarat	Petrotech Annual Student Chapter Conclave, PDPU	22 March, 2013	2
4	IIT Bombay at AVVP	Ettimadai	Aakash for Education	10-11 th Nov' 2012.	2
5	IIT Bombay at AVVP	Ettimadai	Computational Fluid Dynamics	12- 22 nd June 2012	2
6	Indian Oil Institute of Petroleum Management	Gurgaon	Petroleum Refining & Petrochemicals	4- 8 th June 2012	2
7	Institute of Chemical technology	Mumbai	Workshop on Future Manufacturing Concepts in the Chemical & Pharmaceutical Industry	3-4 February, 2012	1
8	Petrotech Society- 2012	New Delhi	Petrotech Society's Industry-Academic Youth Forum, &	15-16 October, 2012	2

			Interanational Oil & Gas Conference		
9	PSG Institute of Advanced Studies & BARC		Micro/Nano Technology for Social Cause 05.10.2012	4-5 October, 2012	1
10	MIT	Pune	Workshop on “Process Modeling & Simulation	18-21 December, 2012	1
11	Amrita School of Engineering	Coimbatore	2-day workshop on Environmental studies	12- 14 th July 2012	6
12	Confederation of Indian Industries	Coimbatore	Workshop on Promotion of Solar Thermal based Industrial & Commercial Process Applications in India	13 October, 2012	1
13	NIT	Durgapur	DST Sponsored SERC School on Non-linear Programming and Soft Computing for Chemical Engineering	12 -16 December, 2011	2
14	Amrita Institute of Medical Sciences	Kochi	International Conference on Society, Technology and Sustainable Development (ICSTSD)	3 – 5 June, 2011	1
15	J.N. Tata Auditorium, National Science Seminar Complex, Indian Institute of Science	Bangalore	ICC-CFT 2011, International Conference on “Composites for 21st Century: Current & Future Trends” (Combined with ISAMPE National Conference on Composites	4-7 January, 2011	1

			INCCOM – 9),		
16	Bharathiar University	Coimbatore	International Symposium on Environmental Risk Assessment, School of Life Sciences	17- 19 Oct' 2011	2
17	IIT Bombay through E-Learning Amrita Vishwa Vidyapeetham	Coimbatore	Thermodynamics in Mechanical Engineering, Conducted	14-24 June , 2011	4
18	13th Lubricating Grease Conference, NLGI	Ooty	Participation & Assisting in organizing the event	3 – 5, Feb11	1
19	Dept. of Chemical Engineering, Kongu Engineering College	Erode	Green Engineering Concepts for Process Design and Synthesis	18-19 Feb 2011.	11
20	Govt. Engineering College	Trichur	,International Conference on Materials for Future (ICMF 2011)	February 23- 25,2011	1
21	CIR, Amrita vishwa Vidyapeetham	Coimbatore	Mission 10X certification Workshop	10 -11 Mar 2011	1
22	Institute of Chemical Technology	Mumbai	Workshop on Process Intensification of Chemical Processing Applications	January 28th to 30th, 2011	1
23	Kongu Engineering college	Erode	Process simulation using ASPEN PLUS	March 2011(3 days)	3
24	FICCI	Gujarat	Indiachem	/13-15 October,2011	1
25	Department of Nanoscience	Coimbatore	National Conference on	24 th March	1

	and Nanotechnol ogy, Bharathiar University		Multifunctional Nanomaterials and Nanocomposite s (NCMNN 2011)	2011	
26	Auroville	Pondicherry	Exploring a Sustainable Future	4-10 Sep,2011	2
27	IIT	Madras	Short term course on “Environmental Chemodynamic s	17 – 22 Jan,2011	1
28	Bharathiar University	Coimbatore	Environmental Risk Assessment 2011 (ISERA 2011),	17 – 19 october,2 011	2
29	Indian Institute of Petroleum Management	Delhi	5th Summer School on “Petroleum Refining & Petrochemicals Petrotech Society Sponsored by Petrotech Society	7- 11 th Jun 2010	2
30	Wipro Ltd	Coimbatore	2-Day Advanced Workshop on Mission10X	10- 11 march , 2010	2
31	Wipro Ltd	Coimbatore	Mission10X 5- Day Workshop	19-23 Decembe r,2010	2
32	IISC	Bangalore	Hazardous Material and Environmental Management	25-29 Jan,2010	1
33	• SSN College of Engineering	Chennai	Attended a one day workshop Recent Advancements in Pollution Control	27 January, 2010	1
34	NIT	Calicut	AICTE Sponsored FDP on Computer	13th June – 18th June 2010	1

			Applications in Chemical and Biological Engineering		
35	IIT Delhi	Delhi	2 months Summer Faculty research Program at IIT Delhi	10/5/10 – 10/7/2010	1
36	St. Peters University	Chennai	AICTE sponsored National Conference on Recent Trends in Chemical Engineering	August 2008	1
37	ISAMPE-Thiruvananthapuram Chapter	Thiruvananthapuram	ISAMPE National Conference 2009 (INCCOM-8) “Emerging Trends in Composite Materials and Technology”	December 4-5, 2009	1
38	FICCI	Gujarat	Indiachem	12-14 Dec ,2009	1
39	National Institute of Advanced Studies	Bangalore	Dimensions of Nanotechnology : Science, Technology, Business and Society	9 – 13,feb 2009	1
40	Amrita Vishwa Vidyapeetham,	Ettimadai	SEEM-Amrita Workshop on Energy Efficiency in Building, Codes & Rating	30-31 July,2009	1
41	NITTTR	Chandigarh	Biotechnology & Biochemical Engineering	23- 27 Nov 2009	1
42	Dept. of Chemical Engineering, NIT	Tiruchirappalli	Advanced Chemical Process Design	20 th Oct 2008	1
43	Dept. of Chemical	Tiruchirappalli	Microrreaction Technology for	11 Jan 2008	1

	Engineering, NIT		Process Intensification		
44	IISc	Bangalore	Fifth ISSS International Conference on Smart Materials, Structures and Systems	24 – 26 July , 2008	1
45	The First South Asian Conference for the Elimination of Mercury in Health Care Sector	Delhi	Toxics Link and Health Care Without Harm, in Association with WHO and UNEP	Decembe r 5-6, 2008	1
46	Center for continuing education (CCE) & departmental of Biotechnology & Biochemical Engineering, SC T College of Engineering	Thiruvananth apuram, Kerala, India	Environmental Biotechnology Engineering STTP-EBT 2008”	July 2008 – 4 th Aug 2008.	1
47	Gandhigram University	Dindugal	CSIR and ICMR Sponsored two days workshop on Theory and hands on experience on three dimensional structure determination of drugs/drug like molecules using X-ray Crystallography	14-15 March, 20 08	1
48	Ministry of Food Processing Govt. of India and Cornell University, USA	Coi mbatore	National Symposium on Nutraceuticals, Functional foods and Organic food	21-23 May, 200 8	1
Civil					

S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM /YY to DD/MM/YY)	# Amrita Faculty Participants
1	National Institute of Technology	Tiruchirapalli	Indo-US Workshop on Forensic Engineering	15/12/10 to 17/12/10	Dr.K.B.Anand
2	Indian Institute of Technology	Chennai	FDP on smart materials and structures	4/1/11 to 8/1/11	Dr.C.O.Arun
3	Coimbatore Institute of Technology	Coimbatore	Modern Concreting Techniques	24/02/2011	Ms.Dhanya Sathyan
4	Government College of Technology	Coimbatore	Experimental Techniques and Data Analysis of Structures in Structural Engineering	10/03/2011	Ms.Dhanya Sathyan
5	Government College of Technology	Coimbatore	Experimental Techniques and Data Analysis of Structures in Structural Engineering	10/03/2011	Mr.Ananthkumar
6	NIT, Calicut	Kozhikkode	Sustainable Habitat: techniques and practices	13-16, June 2011	C.Prakash
7	Sri Ramakrishna Institute of Technology,	Coimbatore	Delivered a lecture on “Effective use of Admixtures in Concrete” for the AICTE Staff Development Programme on “Advanced Developments in Concrete”	11 th July 2011.	Dr. C. Jayasree
8	NSS College of Engineering,	Palakkad, Kerala	Delivered a lecture on “Sustainability through waste water management” for the ISTE Short term	27 th September 2011.	Mr. S. Krishnakumar

			course on “Sustainability through Green Technologies”		
9	Structural Engineering Division, Anna University	Chennai	Participated on FDP “Design of Steel Structures”	28.11.201 1 to 4.12.2011 .	Mr. M. Ananthkumar
10	Department of Civil Engineering , Hindusthan college of Engineering	Coimbatore	Participated in the FDP Structural solutions on using STAAD	23rd & 24th August 2012	Ms. Dhanya Sathyan and Ms. R.Bhuvanesar i
11	Indian Roads Congress	Coimbatore	Annual Conference	January1 1-16, 2013	Pooja S Nair
12	IIT Kanpur	Kanpur	Numerical and Experimental modeling in geotechnical engineering	February 4-9, 2013	Santhoshkumar
Mech					
S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants ***
1	ISTE, Anna University	Coimbatore	Conference- ISTE	26-27 June 2008	P.Krishnaku mar
2	Amrita School of Engineering	Amrita coimbatore	AICTE-STTP	30 June- 07 July 2008	P.Krishnaku mar
3	Amrita, PSG Tech	Amrita, PSG	International Conference	11-12 December, 2009	Mr.P.Krishn akumar
4	IIT Madras	IIT Madras	Workshop	December 19-20, 2009	Mr.P.Krishn akumar
5	IIT Madras	Chennai	Short term program on Partial differential equations	December, 7- 16, 2009	Mr.Tamilara san
6	IIT Madras	Chennai	Short term program on Partial differential equations	December, 7- 16, 2009	Mr. A.S. Prakash
7	Anna university	Coimbatore	Wavelets and its applications	5-6 th , March 2010	Mr. M. Saimurugan
8	VIT,	Vellore	Vibrations in	26-	Mr. M.

			the rotating machinery	28 th , March, 2010	Saimurugan
9	Amrita, PSG Tech	Amrita, PSG	International Conference	11-12 December, 2009	Mr.P.Krishnakumar
10	IIT Madras	IIT Madras	Workshop	December 19-20, 2009	Mr.P.Krishnakumar
11	IIT Madras	Chennai	Short term program on Partial differential equations	December, 7-16, 2009	Mr.Tamilarasan
12	IIT Madras	Chennai	Short term program on Partial differential equations	December, 7-16, 2009	Mr. A.S. Prakash
13	Anna university	Coimbatore	Wavelets and its applications	5-6 th , March 2010	Mr. M. Saimurugan
14	VIT,	Vellore	Vibrations in the rotating machinery	26-28 th , March, 2010	Mr. M. Saimurugan
15	"Engineering Global Solutions",	Chennai	A seminar on "GD&T- Geometric Dimensioning and tolerancing"	13/1/2011.	Mr. M. Ilangovan
16	IIT Madras	Chennai	STTP on "micromachining-a breakthrough technology"	January 31st to February 5th, 2011.	Mr. P. Krishna kumar
17	PSG College of Technology	Coimbatore.	A workshop on intelligent manufacturing systems	14th and 15th February.	Mr. A. Sumesh
18	SAE-Coimbatore.	Coimbatore	First meeting of SAE division.	16-2-2011	Dr. S. Thirumalini
19	IIT Bombay	Bombay	5 day workshop for the coordinators on Thermodynamics in Mechanical Engg under the mission on education (MHRD of India).	21-25th February 2011.	Mr. S. Karthik
20	Gitam	Vizag	2 day	24th	Mr. Babu

	University		international conference on condition monitoring and presented a technical paper.	February	Devasenapati
21	Karpagam Engg College, C.	Coimbatore	A two-day national level workshop on Matlab, Simulation and Labview with Engg applications.	3-4 March	Mr. J. Gokulachandran
22	Shanmuganathan Engg College	Pudukkottai	One-day software development conference in Engg. Drawing	28th March 2011	Mr. Lakshmikanthan
23	NIT	Calicut	Four-day conference on Mathematical modeling of industrial problems	Date not known	Mr. Unnikrishnan
24	PSG- Tech	Coimbatore	Chaired a technical session of "First National Conference on Manufacturing Innovation Strategies and Appealing Advancement-MISSA-2011"	29-4-2011.	Dr. PG. Saleeshya
25	Quest Global Services Ltd.	Bangalore	'QUEST Ingenium 2011', a design competition for final year projects.	17th and 18th July 2011	Mr. Lakshmikanthan
26	Amrita School of Engineering.	Coimbatore.	Workshop on "Recent Trends in Machining" (Note: this is the work shop conducted by the faculty)	25-26th August 2011	Mr. P. Krishnakumar and Mr. A. Sumesh.

27	IIT Bombay	Amrita School of Engineering, Coimbatore	"Introduction to Research Methodology"	25/06/2012 to 04/07/2012	Dr.Babu Devasenapati
28	NAFEMS India	Banglore	Shock And Vibration Workshop	15/03/2012 to 17/03/2012	Balaji.K
29	PSG college of Technology	Coimbatore	Workshop on "Online PSG Design Data Portal"	23/12/2011	Balaji.K
30	Amrita School of Engineering	Coimbatore	IIT-B Workshop on Heat Transfer	29/11/2011 to 10/12/2011	Balaji.K
31	IIT, Madras	Chennai	Advanced Topics on Modeling of Turbulent Flow	23/03/2012 to 24/03/2012	Balaji.K
32	Amrita School of Engineering-IITB	Coimbatore	Solor Photovoltaics, Fundamentals, Technologies and Applications	12/12/2011 to 22/12/2011	Balaji.K
33	Tata Institute of Fundamental Research (TIFR)	Mumbai	Dynamics of Vector Fields (A series of 10 Lectures by Prof. Étienne Ghys, CNRS, France)	09/04/2012 to 14/04/2012	Bipin Balram
34	IIT, Bombay	Mumbai	Workshop on "Dynamical Systems"	02/04/2012 to 07/04/2012	Bipin Balram
35	IIT, Bombay	Amrita School of Engineering, Coimbatore	ISTE Workshop on "CFD"	12/06/2012 to 22/06/2012	Devi Parvathy S
36	IIT, Bombay	IIT-Bombay	ISTE Coordinators Workshop on "Heat Transfer"	12/09/2011 to 16/09/2011	Devi Parvathy S
37	Sri Krishna college of Engineering	Coimbatore	FDP for the Faculty of Mechanical Engineering	27/06/2012	Dr.Ajith Ramesh
38	MGR University	Chennai	International Conference on "Recent Advances in	19/04/2012 to 20/04/2012	Gokula Chandran

			Mechanical Engineering”		
39	Noorul Islam University	Nagerkoil	International Conference on “Modeling Optimization and Computing”- Paper Presented	09/04/2012	Gokula Chandran
40	IIT Bombay	Mumbai	Workshop for co-coordinators on introduction to Research Methodology	09/06/2012 to 11/06/2012	Dr.Joshi C.Haran
41	Government college of Technology	Coimbatore	Workshop on optimization techniques	11/10/2012	Dr K.Ramesh Kumar
42	Karpagam University	Coimbatore	Geometric dimensioning and Tolerance	09/10/2012	Dr K.Ramesh Kumar
43	Sriguru Institute of Technology	Coimbatore	1 st National level Technical Symposium, Technocraz’12	01/10/2012	Dr K.Ramesh Kumar
44	KPR institute of Technology	Coimbatore	Keynote address, National conference on “Technical Advancements in Materials, Manufacturing and Industrial Engineering, TAMMIE 2012	16/03/2012	Dr K.Ramesh Kumar
45	Karpagam University	Coimbatore	Key note address, 3 rd Annual Research congress, KUARC-2011	09/12/2011 to 10/12/2011	Dr K.Ramesh Kumar

46	Krishna Institute of Technology	Coimbatore	Invited Lecture on High Speed Machining	03/10/2011	Dr K.Ramesh Kumar
47	IIT, Madras+ PDMA	Chennai	Program about “Optimization Techniques in Engineering” title “Engineering optimization” Course Faculty: Prof: S.S.Rao	05/01/2012 to 07/01/2012	Krishnakumar
48	IIT, Bombay	E- Learning studio, Amrita School of Engineering, Coimbatore.	ISTE Workshop on “Research Methodology”	12/09/2011 to 16/09/2011	Raghuram.P
49	Amrita School of Engineering, Coimbatore	Amrita School of Engineering, Coimbatore.	Two Days Workshop on “Recent Trends in Machining”	25/08/2011 to 26/08/2011	Raghuram.P
50	NAFEMS, India	Bangalore	Shock and Vibration workshop	15/03/2012 to 17/03/2012	S.Saravana murugan
51	PSG Collage of Technology	Coimbatore	Workshop on “Online PSG Design Data Portal”	23/12/2011	S.Saravana murugan
52	IIT, Madras	Chennai	STTP on “Theoretical & computational Fluid Dynamics	10/03/2012 to 14/03/2012	SenthilKumar D
53	Robert Bosch	Bangalore	FDP on Automobile Electronics	13/12/2011 to 16/12/2011	SenthilKumar D
54	IIT, Bombay	Amrita-Coimbatore (E-Learning)	ISTE Workshop on “Heat Transfer”	29/11/2011 to 10/12/2011	SenthilKumar D
55	Adithya Institute of Technology	Kurumba palayam, Coimbatore	Faculty Development program on “hydraulic& Pneumatic Systems”	20/06/2011 to 26/06/2011	A. Shanmugasundaram
56	United Institute of Technology	Periyanaicken palayam,	Workshop on “Creative	01/06/2011 to 3/06/2011	A. Shanmugas

		Coimbatore	Theory of Universitarian Teaching”		undaram
57	IIT, Bombay	Coimbatore	ISTE Workshop on “Thermodynami cs in Mechanical Engineering	14/06/2011 to 24/06/2011	S.Srihari
58	PSG Collage of Technology	Coimbatore	Sensor Interface and Integration in R&D work	26/09/2011 to 28/09/2011	S.Srihari
59	IIT, Bombay	Coimbatore	ISTE Workshop on “Heat Transfer”	29/11/2011 to 10/12/2011	S.Srihari
60	IIT, Bombay	Coimbatore	ISTC Workshop in “Writing Effective Conference Papers	18/02/2012 to 19/02/2012	S.Srihari
61	Tribology Society of India	Faridabad	4 th Summer School in Tribology	21/07/2012 to 25/07/2012	UnniKrishn an D
62	PPG institute of Techology	Saravanamba tty	One day workshop on FEM	15-02-2012	R.Padmanab han
63	IIT, Madras	Chennai	STTP on “Theoretical & computational Fluid Dynamics	10/03/2012 to 14/03/2012	A.S. Prakash
64	IIT Bombay	Amrita School of Engineering, Coimbatore	"Introduction to Research Methodology"	25/06/2012 to 04/07/2012	Dr.Babu Devasenapa ti
65	IIT, Bombay	Amrita School of Engineering, Coimbatore,	ISTE Workshop on “CFD”	12/06/2012 to 22/06/2012	Devi Parvathy S
66	Sri Krishna college of Engineering	Coimbatore	FDP for the Faculty of Mechanical Engineering	27/06/2012	Dr.Ajith Ramesh
67	IIT Bombay	Mumbai	Workshop for co-coordinators on introduction to Research Methodology	09/06/2012 to 11/06/2012	Dr.Joshi C.Haran

68	Government college of Technology	Coimbatore	Workshop on optimization techniques	11/10/2012	Dr K.Ramesh Kumar
69	Karpagam University	Coimbatore	Geometric dimensioning and Tolerance	09/10/2012	Dr K.Ramesh Kumar
70	Sriguru Institute of Technology	Coimbatore	1 st National level Technical Symposium, Technocraz'12	01/10/2012	Dr K.Ramesh Kumar
71	Tribology Society of India	Faridabad	4 th Summer School in Tribology	21/07/2012 to 25/07/2012	UnniKrishnan D
72	IIT, Mumbai	Amrita School of Engineering, Ettimadai	ISTE Workshop on Introduction to Research methodology	25th june to 04th july 2012	C. Lakshmi Kantan

Aerospace

S. No.	Location / Venue	Department Name	Programme Name	Dates: (DD/MM/YYYY to DD/MM/YYYY)	# Attendees*
1	Amrita School of Engineering, Coimbatore	EEE	<i>FDP on “Software Workshop for Wind Energy”</i>	27 – 30 June 2011	<i>Dr. Balajee. R</i>
2	Amrita School of Engineering, Coimbatore	EEE	<i>FDP on “Software Workshop for Wind Energy”</i>	27 – 30 June 2011	Mr. T. Rajesh Senthil Kumar
3	Amrita School of Engineering, Coimbatore		“High Impact Teaching Skills (MISSION 10X)”	20 – 21 Dec. 2010.	<i>Dr. V. Sivakumar</i>

4.	IIT, Bombay	Amrita School of Engineering , Coimbatore	Introduction to Research Methodologies	25 th June to 04 th July, 2012	Mr. T. Rajesh Senthil Kumar
5.	CEMILAC,	Bangalore, 25	Aero-Structures Design & Certification Conducted by Regional Centre for Military Airworthiness (Aircraft),	25, August 2011	Dr. V. Sivakumar
6.	Kumaraguru College of Technology,	Coimbatore	FDP ON COMPUTATIONAL FLUID DYNAMICS AND APPLICATIONS	17th to 21st June, 2011	Dr. Balajee. R
7.	Kumaraguru College of Technology, Coimbatore	Coimbatore	“Lecture on Panel methods”	June 2011	Mr. T. Rajesh Senthil Kumar

CSE

S L. No	Name and Designation of the Staff	Period Of The Conference	Name of the Seminar attended	Purpose of attending the Conference / Seminar	Source of Funding
1.	Dr. Latha ParameswaranProfessor And Chairperson-CSE	17.03.10 – 20.03.10	Delivered a lecture on “Spatial Domain Processing” and “MATLAB Image Processing Toolbox”, for the workshop on ' Image Processing and MATLAB Programming ', from, organized by Dept. of CSE, Amrita Vishwa Vidyapeetham, Ettimadai		Amrita Vishwa Vidyapeetham

		10.06.11	Resource Person for the AICTE Sponsored Staff Development Programme on “Latest Trends in Image Processing” at Hindusthan College of Engineering and Technology, Coimbatore	Delivered a lecture	Hindusthan College of Engineering and Technology
		17.05.2011	Resource person for the Refresher Course in Computer Science at Bharathiar University, Coimbatore	Delivered a lecture	Bharathiar University
		15.12.2011 - 16.12.2011	Participated in Panel discussions at Grace Hopper Celebration of women in Computing at Bangalore	Participation	
		26.04.12	Delivered a Session on “Research Challenges in Image Processing” for FDP on “Research Challenges and Emerging Trends in Intelligent Information Retrieval”, PSG College of Technology, Coimbatore		PSG College of Technology

		08.03.12-09.03.12	Delivered a session on "Digital Water Marking: Principles and Practice" for one day National level Workshop on "Cloud Computing", Sree Narayana Gurukulam College of Engineering, Kadiyiruppu		Sree Narayana Gurukulam College of Engineering
		11.01.2012	Delivered talk on Computer vision and image analysis in 2nd International. Conference on Computer Communications And Informatics-2012, Sri Shakti Institute of Engineering and Technology, Coimbatore		Sri Shakti Institute of Engineering and Technology
2.	R.Karthi Associate Professor	23.11.10	Served as a resource person for the ICTE Sponsored Staff Development Programme on "Research Initiatives in Data Mining" at PSG College of Technology, Department of Information Technology, Coimbatore. She delivered a talk on "Evolutionary	Delivered a lecture	PSG College of Technology

			Approaches for Data Clustering"		
		17.03.10 – 20.03.10	Delivered a lecture on “Data Mining” for the workshop on “Image Processing and MATLAB Programming “,organized by Dept. of CSE, Amrita Vishwa Vidyapeetham, Ettimadai.		Amrita Vishwa Vidyapeetham
3.	N.Radhika Associate Professor	18.03.11	Resource person for DRDO sponsored National seminar to deliver a lecture on the topic “Web Information System Framework” at National Engineering College, Kovilpatti	Delivered a Lecture	National Engineering College
		19.02.11	Resource person to deliver a lecture on the topic “Introduction to Spawning Architecture” National Engineering College, Kovilpatti .	Delivered a Lecture	National Engineering College
		02.05.2012	Delivered a session on "Smart grids with open research issues", PSG College of	Delivered a Lecture	PSG College of Technology

			Technology, Coimbatore		
		9-2-2012	Delivered an invited talk on “Smart grids”, Sri Narayana Guru Institutions		Sri Narayana Guru Institutions
4.	S.Thangavelu Assitant Professor	04.02.10	invited as a chair/judge for the paper presentation session held at Srivenkateswara Institute of Management, Coimbatore on organized by Department of MCA.		Srivenkateswara Institute of Management
5.	K. Nalinadevi Assitant Professor	19.09.08	One-day Symposium, St Joseph’s college For Women, Tirupur	Resource person	St Joseph’s college For Women
6.	G.Jeyakumar Assistant Professor	23.10.10	Delivered a talk on “Artificial Intelligence: Basics to Research”, at the workshop organized by Shri Muthayammal College of Engineering, Rasipuram .	Delivered a Lecture	Shri Muthayammal College of Engineering
7.	T.Senthil Kumar Assistant Professor	17.03.10 – 20.03.10	Delivered a lecture on ‘Video Processing Concepts ’, at the workshop on ' Image Processing and MATLAB Programming ', organized by Dept. of CSE, Amrita Vishwa Vidyapeetham, Ettimadai.	Participation	Amrita Vishwa Vidyapeetham
		31.03.2012	Delivered a session on "Research Model		SVS Institute of Computer

			development issues in Networking and communications" for Lecture Workshop on "Research Paradigms in Networking and Communications", SVS Institute of Computer Applications, Coimbatore		Applications
		31.03.2012	Delivered a session on "Application of Genetic concepts 'Orange'- Open Source Tool" for Lecture Workshop on "Research Paradigms in Networking and Communications", SVS Institute of Computer Applications, Coimbatore		SVS Institute of Computer Applications
		16.03.2012	Delivered a session on Cloud Computing tools for one day National level Workshop on "Cloud Computing", Sasurie College of Engineering, Tirupur		Sasurie College of Engineering
		17.02.2012	To deliver a session for one day workshop on Theory of Computation, Senguthnar engineering College		Senguthnar engineering College
8.	Hema P Menon	17.03.10	Delivered a lecture		Amrita

	Assitant Professor	– 20.03.10	on “Digital Image Processing Fundamentals” and “Medical Image Processing - Concepts and Applications”, for the workshop on “Image Processing and MATLAB Programming” organized by Dept. of CSE, Amrita Vishwa Vidyapeetham, Ettimadai.		Vishwa Vidyapeetham
		22.07.11	Medical Image Interpretation and Analysis for the National Seminar on "Acquisition Analysis and Digital Image Processing of Medical Images", Dr. Mahalingam College of Engineering and Technology, Pollachi		Dr. Mahalingam College of Engineering and Technology
9.	T.R.Swapna Assitant Professor	15.10.20 11	Delivered a talk on "Sequence Learning with Structural Support Vector Machines" in National seminar on soft computing Techniques, State inter University Centre for Excellence in Bioinformatics (SIUCEB) Trivandrum		SIUCEB
10.	V. Anantha Narayanan	28.08.09 – 29.08.09	Delivered a technical session on “Wireless	28.08.09 – 29.08.09	Vivekanada College of Engg for

	Senior Lecturer		Networks” in the IET UK Sponsored National Level Workshop organized by Vivekanada College of Engg for Women, Tiruchengode		Women
		08.08.09	Delivered a technical session in National Level Workshop on “Research Applications in Wireless and VLSI Design” organized by Dr.Mahalingam College of Engg. & Tech, Pollachi		Dr.Mahalingam College of Engg. & Tech
		06.08.09	Delivered a technical session on “Issues and Challenges in WiMax Networks using NS2” in the National Level Workshop at VLBJ College of Engg.& Tech, Coimbatore		VLBJ College of Engg.& Tech
11	Ms. V. Smrithirekha Asst.Prof.	29.03.11 - 30.03.2011.	Exchange Researcher, Dipartimento di Informatica, University of La'Aquila, Italy attended a two day Researchers Workshop on Architecture Based Testing, Hosted by CNR Research Institute, Pisa, Italy	Participation	CNR Research Institute
		15.12.11 - 16.12.11	Participated in Panel discussions at Grace Hopper Celebration of	Participation	

			women in Computing at Bangalore, Grace Hopper Celebration of women in Computing at Bangalore		
12	Asst.Prof. A.Baskar	20.07.09 – 22.07.09	Delivered a technical session on “Introduction to VTK and Control Statements in MATLAB” for the Medical Informatics Students at Amrita Institute of Medical Sciences Cochin, M.Tech CVIP students at Amrita school of Engineering Ettimadai & Faculty Members		Amrita school of Engineering
		17.03.10 – 20.03.10	Delivered a lecture on “MATLAB and Programming concepts”, for the workshop on “Image Processing and MATLAB Programming, “from organized by Dept. of CSE, Amrita Vishwa Vidyapeetham, Ettimadai.		Amrita Vishwa Vidyapeetham
13	M.Senthil Kumar Assistant Professor	06.10.09	Delivered a technical session on “Mobile Environment Competence using Network simulator” for one day national level workshop on at Trichy Engineering		Trichy Engineering College

			College, Trichy organized by Department of Information Technology.		
		23.09.09	Invited as a judge for the paper presentation event for National Level Technical Symposium named XPLOSION'09 organized by Sri Ramakrishna Institute of Technology, Coimbatore.		Sri Ramakrishna Institute of Technology

Annexure – Evaluative Report – Item 29 - Awards / recognitions received

Awards / recognitions received at the national and international level by

- Faculty

Science

P.V.Suneesh Best project presentation award in Basic Sciences, Anveshan 2012, students Research convention organized by association of Indian Universities, new Delhi, 20-22 March, 2013

IT

Name of the faculty	Award	Year
Prashant R. Nair	ASDF Award for Best Academic Administrator	2012
Prashant R. Nair	Computer Society of India (CSI) Academic Excellence award for maximum publishing in the CSI Communications journal	2011
Sabarish.B.A	Active Participation – Young Member – CSI	2012

Mech

S. No.	Name and Designation of the Staff member	Name of the Award / Recognition received	Name of the Agency	Month & Year of receiving the award / recognition
1.	Dr.S.P.Anbuudayasankar	Best thesis award	PIMG, Gwalior	29/12/2012.
2.	Mr.J.Selvaraj, Asst. Prof	TIDE-Bright idea award	TBI, Amrita Amrtiapuri	Jan-2012
3.	Dr.S.Thirumalini/Professor	Ralph R.Tector Educational Award	SAE International at Detroit,Michigan	13 April, 2010
4.	Dr.S.Thirumalini/Professor	Women Engineer of the year award	Institution of Engineers,TamilNadu chapter at chennai	15 Sep, 2008

CSE

- Prof. P.N.Kumar, Professor won the Best Paper Award for the paper “Financial Market Analysis of Bombay Stock Exchange using an Agent based Model” in IEEE International Conference on Computational Intelligence and Computing research, Dec 28-29,2010
- Dr.C. Shunmuga Velayutham, Associate Professor and G. Jeyakumar, Asst. Professor won the best Paper award under Optimization Track in International Conference on Intelligent Agents and Multi-Agent Systems (IEEE Catalog Number: CFP0953h-DVD, ISBN: 978-1-4244-4711-4), 22-24, July 2009

- K.Abirami, Asst. Professor won the best paper award for presenting the paper “Peer to Peer File Sharing Using IRM” in National Conference on Computer Science and Informatics(NCCSI'12), 23rd and 24th April 2012
- Two final year teams from the department have been qualified in the ACM International Collegiate Programming Contest (ICPC), Asia pacific regional content to move to the world finals.
- About 20 students have completed one year long students exchange programmes like the Eureka, Erasmus Mundus, University of New Mexico student Exchange Program, and University of California, Davis Global program
- About 280 students obtained Microsoft Technical Associate certification conducted in the campus based on training provided by the faculty members.
- One student of the department has obtained the prestigious professional level certification of CISCO Certified Network Professional on attending the training given by the trainers in the campus, as the campus is recognized as CISCO Regional Academy.
- A student team has setup a stall at World Tamil meet Conference 2010 to represent the work “Introduction of Tamil Ambigrams and its applications & Dual Language Ambigram”.
- One of our student team has won the Google award and the inscribe-2011 award by Robert Bosch Engineering.

- Doctoral / post doctoral fellows

- Students

Science

Keerthy Dhara Best project presentation award in Basic Sciences, Anveshan 2012, students Research convention organized by association of Indian Universities, new Delhi, 20-22 March, 2013

Civil

2008-12 batch

1. Rini John Alappatt and Hema Sharanya (Final Year B. Tech) won first Prize in the South India level Civil Engineering Quiz-“STIMULUS” conducted by ULTRATECH Cement Ltd at Bangalore on 22nd February 2012.
2. Sruthi T K (IV B.tech Civil) won First prize in the event ACCE STUDENT DESIGN AWARDS (Regional Level Student Design Competition 2012) held at Coimbatore
3. A.K. Harikrishnan and Nivethidha, V. B. (Final Year B. Tech) won first prize in the event CONCORD of HINGES11, National level Technical Symposium held at SASTRA University, Thanjavur, 29-30 September 2011.
4. M. Anish and A.K. Harikrishnan Won I Prize in ANVESHANAM at PRAGYAN 2011, International Techno-Management Festival at NIT Trichy.

5. Nivethidha, V. B. and Surendhar, S. V. Won III Prize in ANVESHANAM at PRAGYAN 2011, International Techno-Management Festival at NIT Trichy.
6. Harikrishnan, Nivethidha V.B and HemaSharanya (III B.Tech Civil) won first prize in both Brique Sauter and Seu Macon (Cube contest) at the technical Symposium “Hinges” at Sastra, Thajavur, 17-18 Sep 2010

2009-13 batch

7. Ronak J Dand and Vivek Aditya won Second Prize in the event QUIZ COMPETITION of “Cebaca Talent Hunt 2012” conducted by Coimbatore Builders and Contractors Association, Coimbatore, 4 October 2012.
8. Vivek Aditya N , Kaviya.S won Third Prize in the South India level Civil Engineering Quiz-“STIMULUS” conducted by ULTRATECH Cement Ltd at Chennai, 27th February 2013.
9. Vivek Aditya N and Karthik R (III B.tech Civil) won First prize in the paper presentation on “Intelligent Transport System- Electronic road pricing” at the National Symposium “TECHNOVATION 2012” at Coimbatore Institute of Technology, Coimbatore, 27-28 January 2012.
10. Ronak J Dand and Vivek Aditya (III B.tech Civil) won First prize in *The Explorer (Survey)* and *Maze Breaker* at the Technical Symposium “REINFO’11” held at Kumaraguru college of Technology, Coimbatore, 30th sept 2011.
11. Ronak J Dand, Vivek Aditya and Vignesh Kumar secured III position in the event FULCRUM in GRAVITAS’11, International Knowledge Carnival held at VIT University, Vellore, 16-18 September 2011.
12. Arun. T. Premlal, Nitin Gopalakrishnan, Ronak J Dand and Vysakh. T. P. Won I prize in the “ERECTHION 5.0” at the National Technical Symposium “TATHVA 2011” held at NIT Calicut, 23rd October 2011
13. Ronak J dand and Swethaa J. Ram were Finalists and top 15 among 8000+teams for a competition on “Social Ideas” on “Book Bank” at International level TECHFEST “Inspire India” held at IIT Bombay.
14. Ranjith. S, Vinoob.V, Rakesh. N, and Sajeesh, S (II B.tech Civil) won First prize in ERECTHION at the Technical Symposium “Tathva 10” held at NIT Calicut, 21-24 October 2010.

2010-14 Batch

15. B.L.P.Dheeraj Swamy and M.Krishna Chaitanya (II B.tech Civil) won First prize in paper presentation in review on utilization of copper slag in soil stabilization (National level Technical Symposium) “CEANSIZ” held at Kongu Engineering College, 5th March 2013.
16. B.L.P.Dheeraj Swamy and M.Krishna Chaitanya (II B.tech Civil) won First prize in the event Practical Predator (National level Technical Symposium) “CEANSIZ” held at Kongu Engineering College, 5th March 2013.
17. Anjali J Pillai and Krishnendu Babu won Third prize in CEA QUIZ , “CEA FIST’13” the technical festival organized by the civil Engineering Department of IIT Madras, 15-17 March 2013.

18. 8. V.Jai Arjun & Srihari Karthick won first prize in “Technical Quiz” in INNOWAR-2K13 at SVS College of Engineering, Coimbatore, 23rd February 2013.
19. Aamani R.P, Sanjana.V and Upender.T won the second prize in the event Priametry, “Tech Fest – Civilisation’13” held at Anna University, Chennai, 15-18 March 2013.
20. Pooja Ramachandran won First prize in the event The Ultimate Manager “Pragon’13”, International Techno – Management festival of NIT, Thiruchirappalli, 28 Feb – 3rd March 2013.
21. Pooja Ramachandran won Third prize in the event Topography “Pragon’13”, International Techno – Management festival of NIT, Thiruchirappalli, 28 Feb – 3rd March 2013.
22. B.L.P. Dheeraj Swamy, M. Krishna Chaithanya and K. Srinivas (II B.tech Civil) won First prize in the event *Arch Buildo* at the National Level Technical Symposium “CIVILISATION 12” held at Anna University, Chennai, 15-17 March 2012.

Mech

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award*
1.	Neeraja S	WCFMAA E 2013 – KrishiSanskriti	Presented a research paper	03-Feb-2013	IIT, New Delhi	International
2.	Shivanand A	WCFMAA E 2013 – KrishiSanskriti	Presented a research paper	03-Feb-2013	IIT, New Delhi	International
3	Vishnu Swaroop M	Amritotsavam 2013, Amrita VishwaVidyapeetham	Creative writing	14-Mar-2013	Amrita VishwaVidyapeetham, Coimbatore	Intracampus
4	Vishnu Supreet	SRM MNU 2013	Research and Leadership skill conference		SRM University	National
5	Devanathan S	ICIESMS 2013	Presented a research paper	23-Feb-2013	Vickram College of Engineering, Madurai	International
6	Venkatesh D	ICIESMS 2013	Presented a research paper	23-Feb-2013	Vickram College of Engineering,	International

					Madurai	
7	Devanathan S, Venkatesh D, Sowjanya S Iyer	International Journal of Engineering Research and Technology	Published a research article	04-Nov-2013	-	International
8	Vishnu P and Ashok Kumar A	SIAT 2013	Poster presentation	11-Jan-2013	The Automotive Research Association of India, Pune	International
9	Piratla VVVK Leeladhar	Training & Development Centre, Rashtriya Ispat Nigam Ltd.	Training in Roll shop and Repair shop	29-Dec-2012	Rashtriya Ispat Nigam Ltd., Visakhapatnam	-
10	Vehesna Yaswanth Varma	Training & Development Centre, Rashtriya Ispat Nigam Ltd.	Training in Roll shop and Repair shop	29-Dec-2012	Rashtriya Ispat Nigam Ltd., Visakhapatnam	-
11	Dheepak S	Matrix 2013	CAD Modeling	08-Feb-2013	Kumaraguru College of Technology, Coimbatore	National
12	Srivatsan Sampath	IRNet	Presented a research paper	23-Sep-2012	International conference on Advanced Research in Mechanical Engineering, Pune	International
13	Joseph Ashwin S	IRNet	Presented a research paper	23-Sep-2012	International conference on Advanced Research in Mechanical Engineering, Pune	International
14	Mani Baalan C and B Alamarugan S	Amrita TBI – TIDE Seed	Research grant awarded		Amrita Vishwa Vidya peetham,	Intracampus

		Grant			Coimbatore	
15	Ashok Kumar C, Vishnu P, Sharan A	Amrita TBI – TIDE Seed Grant	Research grant awarded		Amrita VishwaVidya peetham, Coimbatore	Intracampus
16	HarshaVardhan	Design ACE 2012	Participated in a workshop	22-Sep-2012	Barry-Wehmiller International Resources, Chennai	-
18	HarshaVardhan Padimiti	Design ACE 2012	Design Contest	22-Sep-2012	Barry-Wehmiller International Resources, Chennai	-
19	SakehChecka	Design ACE 2012	Design Contest	22-Sep-2012	Barry-Wehmiller International Resources, Chennai	-
20	Vishnu Padmanaban	KONES 2012	Published and Presented a research paper	19-Sep-2012	International Scientific congress on powertrain and transport means, Poland	International
21	Vishnu Padmanaban	ICIEA 2012	Presented a research paper	20-Jul-2013	IEEE Conference on Industrial Electronics and Applications, Singapore	National
22	Vishnu P	Technical Quotient	Quiz Competition	24-Apr-2012	Mahindra & Mahindra at Amrita School of Engineering	Intracampus
23	HarshavardhanP DPR	CVR 2012	Participated in research seminar	25-Feb-2012	National Instruments, Coimbatore	-
24	Shivanand A	CVR 2012	Participated in research seminar	25-Feb-2012	National Instruments, Coimbatore	-
25	Karthik Vijay	Pragyan 2012	Techno – management festival	26-Feb-2012	National Institute of Technology,	International

					Tiruchirappalli	
26	AshwinBalakrishnan	Pragyan 2012	Techno – management festival	26-Feb-2012	National Institute of Technology, Tiruchirappalli	International
27	Roshan Mathew	Pragyan 2012	Techno – management festival	26-Feb-2012	National Institute of Technology, Tiruchirappalli	International
28	KapilVinod	Pragyan 2012	Techno – management festival	26-Feb-2012	National Institute of Technology, Tiruchirappalli	International
29	BidhunBabu	Pragyan 2012	Techno – management festival	26-Feb-2012	National Institute of Technology, Tiruchirappalli	International
30	Vishnu P	National Conference on Power electronics in sustainable energy development 2011	Presented a research paper	20-Dec-2011	Amrita School of Engineering, Coimbatore	National
31	Ajaykrishna P	National Conference on Power electronics in sustainable energy development 2011	Presented a research paper	20-Dec-2011	Amrita School of Engineering, Coimbatore	National
32	Praveen G	Shaastra 2011	Participated	2011	IIT, Madras	-
33	Naveen Vishnu S	Shaastra 2011	Participated	2011	IIT, Madras	-
34	Harikrishna T V	Shaastra 2011	Participated	2011	IIT, Madras	-
35	Suprabhat K	Shaastra 2011	Participated	2011	IIT, Madras	-
36	AdithyaKumaran	Shaastra 2011	Participated	2011	IIT, Madras	-

37	Shivanand A	Ammachi Labs	Participate d in lecture series	21-Sep-2011	Amrita VishwaVidya peetham, Coimbatore	-
38	Harikrishna T V	Ammachi Labs	Participate d in lecture series	21-Sep-2011	Amrita VishwaVidya peetham, Coimbatore	-
39	PDPR Harshavardhan	Ammachi Labs	Participate d in lecture series	21-Sep-2011	Amrita VishwaVidya peetham, Coimbatore	-
40	Vaisakh	Gravitas 2011	Participate d in event	18-Sep-2011	VIT University, Vellore	Internati onal
41	Vaisakh G Krishnan	Gravitas 2011	Participate d in event	18-Sep-2011	VIT University, Vellore	Internati onal
42	Amruth J	Gravitas 2011	Participate d in event	18-Sep-2011	VIT University, Vellore	Internati onal

Female Students:

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award**
1.	Sowjanya S Iyer	WCFMAAE 2013 – KrishiSanskriti	Present a research paper	03-Feb-2013	IIT, New Delhi	International
2.	Radhika	Kurukshetra 2013	Present a research paper	02-Feb-2013	CEG, Anna University, Chennai	International

Male Students:

S. No	Name of Student	Program, Department & School	Descripti on of Achieve ment / award	Date of Award	Location	Level of Award
1	Vishnu.P, Ajay Krishna.R	National Conference on Power Electronics and Sustainable Energy	Research Paper Presented	Decem ber 2011	Amrita School of Engineeri ng, Coimbato re, India	
2	Vishnu.P, Ajay	Bonfring international	Research Paper	January 2012		

	Krishna.R	journal	Published			
3	Vishnu.P, Ajay Krishna.R	7 th IEEE Conference on Industrial Electronics and Applications.	Research Paper Published	July 2012	Singapore	
4	Ajay Krishna.R, Vishnu.P, Manikandar aj.S	Plug-in Hybrid Vehicles Energy Management Conference, W ASET	Research Paper presented	September 2012	Singapore	
5	Vishnu.P, Ajay Krishna.R	38 th International Congress on Powertrain and Transport Means	Research Paper Presented	September 2012	Poland	
6	Vishnu.P, Ajay Krishna.R	International Journal on Powertrain and Transport Means	Research Paper Published	September 2012		
7	Ajay Krishna.R, Vishnu.P	International Journal of Electrical Engineering & Technology	Research Paper Published	October 2012		
8	P.Vishnu	Technical Quotient event organized by “Mahindra & Mahindra Automotive Sector”.	Winner of Technical Quotient Award, two months summer internship and a passport to direct selection	April 2012	Amrita School of Engineering	University Level

			for personal interview on campus in M&M.			
9	P.Vishnu	Institute of Engineering and Technology	Student technical Icon of the Year	Septem ber 2012	Chennai	National Award
10	B.KiruthiM urugan, R.K.Adithan	SOJOM 2012	Research Paper presented	January 2012	WRI- BHEL, Trichy	
11	Adarsh Ganesan & team	International BAJA (SAE International) event	Race Car Design and Fabbri cation event ,Particiat ed and won acclaim	April 2012	USA	Internati onal Level
12	Manikandar aj .S, Ganesh Baburaj	International Stirling Engine Conference	Research Paper presented	Octobe r 2012	Croatia	
13	Manikandar aj & team	EFFICYCLE 2012 (SAEINDIA event)	Tricycle design and fabricatio n event	Octobe r 2012	Punjab Universit y, Chandiga rh	National Level
14	Karthik R Santhosh Dharmaling am Guide: Mr. L Mahadevan.	Institution of Engineers (India)	Grant- in-aid for R&D Project. Fund of Rs. 90,0000	Aug 2, 2011	Kolkata	National

15	Surya Narayanan L Sreekanth G R Siddarth R Subramania n C T Anirudh S	SAE National Convention - Business Plan Event at KSR College of Engineering	First Prize	Nov 30 - Dec 1, 2011	Tiruchen gode	National
16	Saravanan T Goutham K	SAE National Convention - CAM Event KSR College of Engineering	Second Prize	Nov 30 - Dec 1, 2011	Tiruchen gode	National
17	Deepak Rohit Prakash	SAE National Convention - Tier II Sri Krishna College	First Prize	Sep, 2011	Coimbato re	Tier 2 (Divisio nal)
18	Muralithara n PS Goutham K	SAE National Convention - Tier II Sri Krishna College	First Prize	Sep, 2011	Coimbato re	Tier 2 (Divisio nal)
19	BAJA Team	SAE International	Only Indian Team to clear Enduranc e Test. Ranked First among the six Indian Teams Participat ed. Ranked 56th overall.	Apr 19 - 22, 2012	Auburn, Alabama	Internati onal

20	Hari Krishna. T V	ME-III year	3 rd place in robo works held at IIT-M	2011	Madras	National level
21	Hari Krishna. T V	ME-III year	2 nd place in robo works held at IIT-M	2012	Amritapu ri	National level
22	Balaji R	ME-III year	Finalist in Supra SAE INDIA Rank(22/ 75)	Sep- 2012	Noida	National Level
23	Joseph Ashwin S	ME-III year	Best paper award – Internatio nal conferen ce on Applied Research in Mech Engg	Sep- 2012	Pune	Internati onal
24	CH.Saketh	ME-III year	Design ACE Finalist	Sep- 2012		South India Level
25	CH.Saketh	ME-III year	CSWA Certified Solid works associate	Nov- 2012		
26	Pharsha Vardhan	ME-III year	Design ACE Finalist	Sep- 2012		South India Level

The following teams of students have been selected to receive the BRIGHT IDEA AWARD with a cash prize of Rs.3000

- Team 1: P.Vishnu, A.Ashok kumar, A.Sharan of 3rd year Mechanical-B
- Team 2: C.Manibaalan, S.Balamurugan of 3rd year Mechanical
- Team 3: Abishek.R, Ramanan.R and S.Dharini of 3rd year Mechanical C

The following teams of students will be receiving an Innovation Seed Grant of Rs.25,000 to complete the project

- Team 1: P.Vishnu, A.Ashok kumar, A.Sharan of 3rd year Mechanical-B
- Team 2: C.Manibaalan, S.Balamurugan of 3rd year Mechanical

S. No	Name	Event	Awards/prizes	Conducted by	Date
1	B.SACHIN	Quiz	2nd	AIU	20.1.2011
2	K.V.HARISH SUDHARSAN	Bridge gam	1st	SAE,AMRITA	
3	ADARSH NAIR	Quiz, ANOKHA	2nd	ASE	Feb-11
4	X DOMONIC RAJ	Bridge gam	1st	SAE,AMRITA	
		Air crash investigation	1st	SAE,AMRITA	
5	M.MOHAMED SALMAN	Quiz	2nd	PSG TECH	
		Anokha	Newslett er team	ASE	
6	ARUN K.VIKRAM	Paper Presentation	2nd	PSG TECH	19.2.2011
		Paper Presentation	2nd	BANNARI AMMAN INST.OF TECH	
7	C.RAMESH	Aircrash investigation	1st	SAE,AMRITA	
8	S.BHARATHA N	Paper Presentation	finalist	CONFIDERATI ON OF INDIAN INDUSTRY	Feb-10
9	R.ABHINAV	Aero Modelling	1st	SAE,INDIA	Sep-09
		Paper Presentation	1st	ASE	Feb-11
10	ARJUN MENON	Aero Modelling	1st	SAE,INDIA	Sep-09
		Junk yard wars	2nd	NIT,TRICHY	Feb-10

		Paper Presentation	1st	SAE,AMRITA	Aug-10
11	N.P.PRATHEESH	Baja 2010, Cost Award	2nd	SAE,INDIA	Jan-10
12	E.VIGNESH	Paper Presentation (Technical)	14th(South zone)	CONFEDERATION OF INDIAN INDUSTRY	Feb-10
13	N.PRASANNA	Paper Presentation (Technical)	14th(South zone)	CONFEDERATION OF INDIAN INDUSTRY	Feb-10
		Paper Presentation (Technical)	4th (Overall)	ANOKHA,AMRITA	Feb-11
		Bridge gam	1st	SAE,AMRITA	Sep-10
14	V.SUDHARSAN	Business Plan	3rd	SAE INDIA	Sep-10
		Modeling & Animation	1st	SAE INDIA	Sep-10
15	P.B.SHYAM SUNDAR	Auto quiz	1st	SAE INDIA	Sep-10
		Paper Presentation	2nd	SAE INDIA	Sep-10
16	SUJITH MOHANDAS	BAJA 2011, COST AWARD	Runners-up	SAE INDIA	Jan-11
		Business Plan	3rd	SAE INDIA	Sep-10
		Modeling & Animation	3rd	SAE INDIA	Sep-10
17	SUBIN RAJIV SOOD	Aero Modelling	2nd	SAE INDIA	Sep-10
		Business Plan	2nd	SAE INDIA	Sep-10
		Paper Presentation	2nd	SAE INDIA	Sep-10
		BAJA 2011, COST AWARD	Runners-up	SAE INDIA	Jan-11
		Supertechnocrat	1st	ASE,ANOKHA	2010
18	V.M.VINOD KUMAR	Power lifting (Inter house)	2nd	Annual sports,ASE	Feb-09
		Shot put (Inter	2nd	Annual sports,ASE	Feb-11

		house)			
		Power lifting (Inter house)	3rd	Annual sports,ASE	Feb-11
19	RAHUL.V.ME NON	BAJA 2011, COST AWARD	Runners-up	SAE INDIA	Jan-11
		SAE CLUB DISPLAY	Runners-up	SAE INDIA,JEPPIAR COLLEGE	Sep-10
20	R.ARUN MOHAN	SAE CLUB DISPLAY	Runners-up	SAE INDIA	Oct-10
21	VISHAL J.BADANI	SAE CLUB DISPLAY	Runners-up	SAE INDIA	Oct-10
22	NIKHIL RAVINDRAN	Business Plan	3rd	SAE INDIA	Sep-10
23	V.R.KARTHIK EYAN	Supertechoncrat	1st	ASE,ANOKHA	2010
24	G.SHASHIDHAR REDDY	Contraption	2nd	SAE,AMRITA	2010
		Contraption	2nd	ASE,ANOKHA	2011
25	M.NEEL KUMAR	Contraption	2nd	SAE,AMRITA	2010
26	VARUN VENKATRAMAN	Bridegam	1st	HIGH OCTANE	Oct-10

**(Intercampus, State, National, International, etc.)

Female Students:

S. No	Name	Event	Awards/prizes	Conducted by	Date
1	T.K.SOUMYA	Volley ball (inter campus)	Runners-up	AMRITA UNIVERSITY	Mar-10
		Throw ball (inter house)	Winners	ASE	Jan-10
		Group dance	2nd	ASE	Sep-08
		BAJA 2011, COST AWARD	Runners-up	SAE INDIA	Jan-11
		Business Plan	2nd	SAE,AMRITA	Sep-10
2	BRINDA	BAJA 2011, COST AWARD	Runners-up	SAE INDIA	Jan-11
		Business Plan	2nd	SAE,AMRITA	Sep-10
3	SRITHA MURALI	Basket Ball (Inter Campus)	Runners-up	AMRITA UNIVERSITY	Mar-10
		Ball badminton (Inter house)	Runners-up	ASE	Jan-11

		Group dance	2nd	ASE	Sep-08
		Club presentation	1st	SAE INDIA	Oct-10

Annexure – Evaluative Report – Item 30 - Seminars/ Conferences/Workshops organized

Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

ECE

S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants		Source of Funding	Seminar / Workshop Outcome
1.	First National Conference on Recent Trends in Coomunication, Computation and Signal Processing (RTCSP 09)	April 7, 2009	Local	45	Internal	
			Within State	20		
			Outside State	0		
2.	Second National Conference on Recent Trends in Coomunication, Computation and Signal Processing (RTCSP 10)	March 26-27, 2010	Local	50	ISRO (Rs.50,000) Wipro (Rs.50,000)	Proceedings with ISBN number was released
			Within State	25		
			Outside State	15		
3.	Third National Conference on Recent Trends in Communication, Computation and Signal Processing (RTCSP 11)	March 1-2, 2011	Local	150	ISRO (Rs.30000) WIPRO (Rs.50000) DRDO (Rs.50000)	Proceedings with ISBN number was released
			Within State	100		
			Outside State	25		
4.	International Conference on Communication Technology and System Design (ICCSTD 2011)	December 7-10, 2011	Local	50	ISRO DRDO BRNS IETE	Proceedings indexed with Elsevier released
			Within State	40		
			Outside State	25		
5.	Fourth National Conference on Recent Trends in Communication, Computation and Signal Processing (RTCSP 13)	April 10, 2013	Local	10	DRDO (Rs.50000) CTS (Rs.1 Lakh)	Proceedings with ISBN number was released
			Within State	21		
			Outside State	4		
6.	Two Week ISTE Workshop on BASIC ELECTRONICS	June 28- July 8, 2011		40	MHRD (NMCEIT)	
7.	Ten Day ISTE Workshop on	June 4-14, 2013		30	MHRD (NMCEIT)	

	Analog Electronics					

Cyber

S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants		Source of Funding	Seminar / Workshop Outcome
1.	National Instructional Level Workshop on Cryptology	9 th may to 14 th may 2011	Local		Cryptology Research Society of India	
			Within State			
			Outside State			
2.	A Colloquium on Information Systems Security	January 22 to 23, 2012	Local		Centre for Cyber Security	

EEE

20012-2013

S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/Y Y to DD/MM/Y Y)	Number of Participants		Source of Funding	Seminar / Workshop Outcome
1.	Seminar on A revolution from oil lamps to solid state lights	06/09/2012	Local	120	Department of EEE	Positive Feedback from Participants
			Within State			
			Outside State			
2.	Seminar on Embedded Systems and Applications	11/09/2012	Local	140	Department of EEE	Positive Feedback from Participants
			Within State			
			Outside State			
3.	Introductory Workshop on Arduino	20/09/2012	Local	120	Department of EEE	Positive Feedback from Participants
			Within State			
			Outside State			
4.	Workshop on Haptics - Robotic Arm	28/10/2012	Local	96	Department of EEE	Positive Feedback from Participants
			Within State			
			Outside State			
5.	Workshop on MATLAB	12/12/2012 to 13/12/2012	Local	40	Department of EEE	Positive Feedback from
			Within State			

			Outside State			Participants
6.	Workshop on Graphical System Design Using LabVIEW	14/12/2012 to 15/12/2012	Local	46	Department of EEE	Positive Feedback from Participants
			Within State			
			Outside State			
7.	Workshop on PIC Programming Using Embedded C	16/12/2012 to 17/12/2012	Local	35	Department of EEE	Positive Feedback from Participants
			Within State			
			Outside State			
8.	Workshop on VLSI Design using VHDL	18/12/2012 to 19/12/2012	Local	32	Department of EEE	Positive Feedback from Participants
			Within State			
			Outside State			
9.	Workshop on Wind Energy: Resource Assessment and Simulation	22/02/2013 to 23/02/2013	Local		Department of EEE, IEEE Students Chapter	Positive Feedback from Participants
			Within State	36		
			Outside State			

2011-2012

S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants		Source of Funding
1	Workshop on Introduction to MATLAB	10/10/2011 to 14/10/2011	Local	130	Department of EEE
			Within State	0	
			Outside State	0	
2	Seminar on Wind Resource Analysis	24/11/2011	Local	40	CWET
			Within State	0	
			Outside State	0	
3	Seminar on Operation and Maintenance of Wind farms	28/11/2011	Local	40	CWET
			Within State	0	
			Outside State	0	
4	National Conference on Power electronics in Sustainable Energy (NCPSE)	19/12/2011 to 20/12/2011	Local	90	CSIR, IETE
			Within State	30	
			Outside State	15	

5	Seminar on Embedded System Design	11/01/2012 to 12/01/2012	Local	60	Department of EEE and Tata Elxsi
			Within State	0	
			Outside State	0	
6	Seminar on Implementation of renewable energy and fuel cells as back up generation for broad band networks	12/01/2012	Local	40	CWET
			Within State	0	
			Outside State	0	
7	Workshop on Introduction to LABVIEW	20/01/2012	Local	60	Department of EEE
			Within State	0	
			Outside State	0	
8	Seminar on Generator Design	30/01/2012	Local	40	CWET
			Within State	0	
			Outside State	0	
9	Workshop on PIC Microcontroller	13/02/2012 to 24/02/2012	Local	25	Department of EEE
			Within State	0	
			Outside State	0	
10	Basic Robotics Workshop	03/03/2012 to 04/03/2012	Local	150	Department of EEE
			Within State	0	
			Outside State	0	
2010-2011					
S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/Y Y to DD/MM/YY)	Number of Participants		Source of Funding
1.	Workshop on computer technologies in power system	13/12/2010 to 17/12/2010	Local	70	IETE
			Within State	30	
			Outside State	10	
2	FDP on IT Applications in	8/12/2010 to 10/12/2010	Local	20	IETE
			Within State		

	power Systems		Outside State	5	
3	FDP on Electrical engineering	20/06/2011 to 24/06/2011	Local	30	IETE
			Within State		
			Outside State	3	
4	FDP on Wind Energy	27/06/2011 to 30/06/2011	Local	30	C-WET & IWTMA
			Within State	27	
			Outside State	3	
2009 - 2010					
S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants		Source of Funding
1.	International Workshop on Advances in Electrical and Electronics Engineering	7/12/2009 to 11/12/2009	Local	35	IETE
			Within State	5	
			Outside State	5	
2.	FDP on power system management	02/06/2010 to 04/06/2010	Local	23	IETE
			Within State	-	
			Outside State	2	
3	Amrita Workshop on Energy Efficiency in Building, Codes & Ratings	30/07/2009 to 31/07/2009	Local	10	SEEM
			Within State	45	
			Outside State	15	
4	Photochemical conversion of solar energy	30/03/2010 to 31/03/2010	Local		In collaboration with Dept of Ch Engg
			Within State		
			Outside State		
2008-2009					
S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants		Source of Funding

1.	Non-Linear Dynamics and Chaos in Engineering	3/12/2008 to 05/12/2008	Local	19	IETE
			Within State	5	
			Outside State	16	
2.	Fundamentals of Electromagnetics	11/08/2008 to 21/08/2008	Local	5	Amrita
			Within State	5	
			Outside State	2	
3	Laboratory Courses in Electrical and Electronics Engineering	15/06/2009 to 19/06/2009	Local	29	IETE
			Within State	0	
			Outside State	0	
4	Electrical Engineering	30/06/2008 to 05/07/2008	Local	22	IETE
			Within State	0	
			Outside State	3	

Chemical

S. No	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants		Source of Funding	Seminar / Workshop Outcome
1.	International Conference on “Renewable Energy Resources for 21 st Century”	9 -10 Mar 2012	Local	100	Various Funding Agencies Including AICTE and MNRE	Various technologies for the utilization of renewable energy
			Within State	60		
			Outside State	150		
2.	Eleventh ISAMPE National Conference on Composites (INCCOM-11) : Advances in Composites and Nanotechn	2 – 3 November, 2012	Local	50	DRDO, BRNS, CSIR, ISAMPE	11 Invited Talks, 45 Contributory papers, Conference Proceedings CD
			Within state	30		
			Outside state	40		

	ology					
3	International Conference on “Photochemical Conversion of Solar Energy”	30- 31 st Mar 2010	Local	250	DRDO,DST,MNRE,BRNS	
			Withi n State	50		
			Outsi de State	25		
4	National Conference on “Smart and Electronic Materials & Devices”	23- 25 th Oct 2009	Local	225	DST, DRDO, ISRO, BRNS, CSIR	
			Withi n State	40		
			Outsi de State	30		
5	National Conferenc e on Water for All, Amrita Vishwa Vidyapeet ham	5-6 Feb, 2009	Local		BRNS,PMO,DST,C SIR	
			Withi n State			
			Outsi de State			
6	Conference on Advanced Materials for Defence and Aerospace applications. (ADMAT 2008)	7- 8 January,2008	Local		DRDO, CSIR,DST, Plast India Foundation	
			Withi n State			
			Outsi de State			

IT

S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)		Number of Participants		Source of Funding	Seminar / Workshop Outcome
		From	To				
1.	35 th	11 Dec	12 Dec	Local	20	ACM, IBM,	

	Annual ACM International Collegiate Programming Contest (ICPC) – Asia Pacific regional contest	2010	2010	Within State	80	Infosys, Directi	
				Outside State	150		
2	36 th Annual ACM International Collegiate Programming Contest (ICPC) – Asia Pacific regional contest	11 Dec 2011	12 Dec 2011	Local	20	ACM, IBM, Infosys, Directi	
				Within State	80		
				Outside State	150		
3	37 th Annual ACM International Collegiate Programming Contest (ICPC) – Asia Pacific regional contest	19 Dec 2012	20 Dec 2012	Local	30	ACM, IBM, Infosys, Directi	
				Within State	100		
				Outside State	250		
4	AMRITA-IBM Internat	22/12/2009	23/12/2009	Local	150	IBM,IETE,CSI,IEEE,TIFAC	
				Within State	100		

	ional Confer ence on Cloud Compu ting, Smart Grid and Green IT			Outsid e State	50		
5	29 th Computer Society of India (CSI) National Student Conventio n (NSC), held at Amrita University , Coimbatore on 15 and 16 March, 2013.	15 March, 2013	16 March 2013	Local Within State Outsid e State	300 150 30	CSI NSC is the oldest and most prestigious national computer science conference for students in India and it has been happening since 1986	
6	Amrita University Annual Techfest, ANOKHA 2012	16 Feb 2012	18 Feb 2012	Local Within State Outsid e State	2000 3000 1000	Top techfest in India. TEDx event for 1 st time in India along with techfest	
7	Amrita University Annual Techfest, ANOKHA 2011	8 Feb 2011	10 Feb 2011	Local Within State Outsid e State	2000 3000 1000		

Civil

S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants		Source of Funding	Seminar / Workshop Outcome
1.	National Seminar "Seismic	17 th March 2012	Local	10	Internal	

	Design of Structures” Resource person: Dr. C. V. R. Murty, Professor , IIT Madras.		Within State	30		
			Outside State			

Mech

1	Dr. Babu Deva Senapathy	"Solar Photovoltaics: Fundamentals, Technologies and Applications offered through e-learning by IIT Mumbai	Funding: MHRD through ISTE Workshop Outcome: We have been donated a solar PV lab, equipment worth Rs 50,000
2	Dr. Ajith Ramesh	Workshop on “ FEM on Practical Stem analysis”	Fundng: by AICTE Outcome: Training for the new faculty, and course refresher for the ongoing faculty at Sri Krishna College.
3	Dr. Joshi C Haran	Workshop for Teachers : “Introduction to Research Methodologies”	Funding: MHRD through ISTE Workshop Outcome: Training for the faculty and researchers.
4	Padmanabhan R	Two Days workshop on “ Welding & NDT”	Funding: WRI Outcome: - Exposure to various developments in welding technology - Arrangements for Student projects through WRI - Starting point for future programs along this line. The preparation for the next workshop is already underway
5	Krishna Kumar P	Two Days Workshop on “Recent Trends in Machining”	Funding: ISRO & DRDO Outcome: Given an exposure to (1) difficulties faced by the Industry in machining (2) developments in tooling (3) developments in machining technology and (4) current research requirements in machining.
6	Sathish Kumar	Introduction to Operations	Funding: Department funded

	V R	Management	Outcome: To enhance teaching-learning process. Strengthen knowledge delivery process.			
7	Devi Parvathy S	ISTE Workshop on “Heat Transfer”	Training for the new faculty and course refresher.			
8	EDGE CAM	13/09/2010 to 26/09/2010 31/05/2010 to 13/06/2010	Local	61	-	Enhancement of students in the field.

S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/Y Y to DD/MM/YY	Number of Participants		Source of Funding	Seminar / Workshop Outcome
1	Short Term Training Programme on Product Design for Environment & Faculty Awareness Camp on Entrepreneurship	30-06-2008 TO 07-07-2008	Local	30	ISTE	Created awareness among participants on the concepts of entrepreneurship
2.	Sixth International Conference on PRECISION, MESO, MICRO AND NANO ENGINEERING	10-12-2009 TO 11-12-2009	Local	200	AICTE	Participation and increased the awareness on the content of the conference
			Within State	100		
			Outside State	75		
3.	Society of Automotive Engineers - BAJA Workshop	13-06-2009 TO 14-06-2009	Local	200	SAE - CLUB	Created awareness among students in the areas of automotive engineering
			Within State	250		
			Outside State	200		
	Society of Automotive	05-10-2009 TO	Local	800	Amrita Vishwa	Created awareness
			Within	400		

4.	Engineers - INDIA National Convention	06-10-2009	State		VidyaPeetham & SAE - CLUB	among students in the areas of automotive engineering
			Outside State	100		
5.	National Instruments - Lab View Workshop	10-04-2010	Local	35	Amrita Vishwa VidyaPeetham	Faculty members are exposed to Lab View software
			Within State	NIL		
			Outside State	NIL		
6.	Society of Automotive Engineers – Technical Lecture	16-08-2010	Local	400	SAE - CLUB	Created awareness among students in the areas of automotive engineering
			Within State	NIL		
			Outside State	NIL		
7.	Association of Mechanical Engineers (Value Engineering)	22-09-2010	Local	400	Amrita Vishwa VidyaPeetham	Generate awareness among students in the areas of Value engineering

CSE

S. No.	Name of the Seminar / Conference organised by the Department	Duration of the Programme	Number of Participants		Source of Fund	Seminar / Conference Outcome
1.	Software Sizing by Vidya Sridhar	06.10.08	Local	25	N/A	Software Sizing by Vidya Sridhar
2.	Extreme Programming	06.10.08	Local	22	N/A	Extreme Programming
3.	Wireless Sensor Networks by Partha Dhar	03.10.08	Local	24	N/A	Wireless Sensor Networks by Partha Dhar
4.	J2EE by Sunil Kumar, Praveen Kumar, Swamynathan	19.09.08	Local	21	N/A	J2EE by Sunil Kumar, Praveen Kumar, Swamynathan
5.	NAAC Sensitization Session	18.08.08 – 21.08.08	Local	27	N/A	NAAC Sensitization Session
6.	Wireless Networks	29.07.08	Local	23	N/A	Wireless Networks
7.	PC Hardware	11.07.08 –	Local	20	N/A	PC Hardware

	Workshop	16.07.08				Workshop
8.	C# and .NET by Microsoft Resource Person: Dhaval Faria , Founder and Managing Director for Hirdhav Software Pvt. Ltd.	25.04.09	Local	22	N/A	C# and .NET by Microsoft Resource Person: Dhaval Faria , Founder and Managing Director for Hirdhav Software Pvt. Ltd.
9.	Talk on "Spread Spectrum Techniques for Wireless Communication" Resource Person: Dr A Rajeswari.M.E.,Ph. D., Asst. Professor/ECE, CIT Cbe	16.04.09	Local	21	N/A	Talk on "Spread Spectrum Techniques for Wireless Communication" Resource Person: Dr.A.Rajeswari.M .E., Ph.D., Asst. Professor/ECE, CIT Cbe
10	Lecture on Optical and Sensor Networks & Interactive session on "Open Research Problems" Resource Person: Dr.Krishna Shivalingam of IIT, Chennai	30.03.09	Local	22	N/A	Lecture on Optical and Sensor Networks & Interactive session on "Open Research Problems" Resource Person: Dr.Krishna Shivalingam of IIT, Chennai
11	Image Processing Techniques	05.01.09 – 07.01.09	Local	30	Tata Consulta ncy Services	
12	ASCII-FOSS project contest	Nov, 2009	Local Within State Outsid e State		N/A	ASCII-FOSS project contest
13	Cerebral wars	12/10/09	Local	300	N/A	Made awareness to students on latest technology
14	Technology for Social Welfare'09	09/10/09	Local		N/A	
15	Embedded Wireless	13/09/09	Local	52	IETE	Students got

	Technologies					Hands-on Exposure to Wi-Fi, ZigBee, Bluetooth and Embedded Web Server Technologies.
16	Install fest-Foss Installing Workshop	Aug, 2009	Local	50	N/A	Install fest-Foss Installing Workshop
17	MATLAB	20/07/09 – 22/07/09	Local	41	N/A	MATLAB
			Outside State	5		
18	PC Hardware workshop	09/07/09 - 10/07/09	Local	21	N/A	
19	AMRITA ACM-W International Conference (Celebration of Women In Computing)	16.07.10 – 17.07.10	Local	400	ACM, DIT-MIT, ISRO, Infosys	Networking and Mentoring Women students
			Within State	250		
			Outside State	75		
20	FDP on Digital Signal Processing	05.07.10 – 15.07.10	Local	10	N/A	Faculty are introduced the concepts of Digital Signal Processing
			Within State			
			Outside State			
			Within State			
			Outside India			
21	Workshop on Linux, Core Java and Networking	05/04/10-09/04/10	Local	43	IETE	Promote the importance of FOSS, understanding of Java and provides insight into Networking .Concentrating on Linux and Networking and the other two days were on Core Java.
			Within State			
			Outside State			
			Outside India			
22	Image Processing and Matlab Programming	17/03/10 – 20/03/10	Local	45	N/A	
			Within State			
			Outside State	5		

			Outside India			
23	Workshop - Jump Start II	31.05.11 - 08.06.11	Local	23	Wipro	Students were trained in Computer Organization (Resource person: Mr. G. Jeyakumar), Introduction to RDBMS (Resource person: Mrs.N.Harini Mrs.N.Lalithamani), Software Engineering Practices (Resource person: Ms.C.K.Shyamala, Ms.N.Lalithamani), Computer Networks (Resource person: Mr.V.Ananthanarayanan, Mr.J.Govindarajan) and Operating System (Resource person: Mr.G.Jeyakumar, Mr. V. Ananthanarayanan)
24	Hands on Training in JAVA	06.11.2011 - 07.11.2011, 13.11.2011	Local	60		With a view to get III B.Tech CSE students acquainted with

						JAVA
25	Hands on Training in Android	08.11.2011	Local	60		With a view to get III B.Tech CSE students acquainted with Android
26	Workshop on Open Source Tools for Image Analysis	31.10.11 & 01.11.11	Local	60		The workshop focused on image processing open source tools VTK and ITK using Python environment.
27	Seminar on Open Source for Image Processing – MeVis Lab	29.10.11	Local	30		Benefitted M.Tech CVIP students, faculty and researchers working in the domain image processing.MeVis Lab represents a platform for image processing research and development with a focus on medical imaging.
28	Seminar on ‘Advanced Image Segmentation Techniques’,	12.10.2011	Local	30	ASCII	The seminar covered topics on segmentation of images, with emphasis on SNAKE models and Graph based segmentation techniques
29	Workshop on FOSS	(10.10.2011-12.10.2011) & 19.10.2011	Local	350	ASCII and IETE	The workshop is to introduce Open source platform and help the students to learn FOSS related tools to develop Open Source projects. The workshop also helped student on, how to use IRC and Netiquette.

30	Workshop on Open Sources for Computer Vision and Image Processing	29.09.2011 - 12.10.2011	Local	50	ASCII and IETE	B.Tech and M.Tech students got exposure towards Open Sources for Computer Vision and Image Processing
31	Invited Talk on Recent Research in Industrial Image Analysis (Resource Person: Mr.Fayas A, Project Manager, TELIBrahma Convergent Communications Pvt. Ltd.)	12.09.2011	Local	30	ASCII	M.Tech Students got exposure in Research in Industrial Image Analysis
32	Workshop on "Document preparation using LATEX".	17.04.2012	Local	20	FOSS club	Students of M.Tech CSE were given hands on training "Document preparation using LATEX".
33	National Workshop on Computer Vision and Image Processing Techniques (NWCVIPT)	21.02.2012 - 24.02.2012	Local	50	Conducted by department	To connect people working in CVIP related research work
			Within State	16		
34	Hands on approach to Information Security	28.01.2012	Local	55		With a view to get III B.Tech CSE students acquainted with various tools on Applying concepts of Information security and Cryptography.
35	Workshop on Open CV 17 th September 2012 to 20 th September 2012.	17-9-2012 -20-9-2012				
36	Hands on Workshop "Embedded	8 th November 2012			ASCII	

	Software Development on Beagle Board and Leopard Board“					
37	Faculty Development Programme on Problem Solving and Paradigms	9 th July 2012.				Session was handled by Dr.Vidhya Balasubramanian, Associate Professor.
38	Faculty Development Programme on Computer Language Engineering	10 th July 2012 and 11th July 2012				Session handled by: Mrs. K. Nalinadevi, Asst. Professor
39	Hands-on workshop on Android system development	17 th November 2012 to 18 th November 2012			Dept. of CSE-ASCII	Basics of Android Project Working with User Interface, Android NDK, C/C++ modules, and UI components were discussed.
40	FOSS Club of CSE Department organized the Mo Workshop to commemorate the Birthday of Mozilla	9th November 2012	Local	70	FOSS Club of CSE Department	Final year students Nagarjuna Varma and Prashant Swaminathan presented their experience on FOSS projects and meet ups. The workshop was organized by faculty members Mr. D.Venkatraman and Ms. V. Smrithi Rekha, Assistant Professors, Department of CSE.
41	Workshop on Problem Solving and Programming Paradigms.The workshop was	23st January 2013 and 25th January 2013	Local	70	Department of Computer Science and Engineer	The goal of the workshop was to introduce students to problem solving principles and develop good

	conducted as a part of the ACM-ICPC training initiatives of the department.				ing	programming logic. Dr. Vidhya Balasubramanian, Associate Professor, CSE, N. Harini, Assistant Professor, CSE and Ms. K. Nalinadevi, Assistant Professor, CSE served as resource personnel for this workshop

Annexure – Evaluative Report – Item 39 -List of doctoral, post-doctoral students and Research Associates

List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

b) from other institutions/universities

ECE

S. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	Mr.Kuruvachan K.George	M.E – Applied Electronics	Anna University	ASE-Ettimadai	Dr.C.Santhosh Kumar	Speaker Recognition
2.	Mr.R.Gopinath	M.E – Power Electronics	Anna University	ASE-Ettimadai	Dr.C.Santhosh Kumar	Machine Fault Diagnosis
3.	Mr.S.Abhishek	M.E – Applied Electronics	Anna University	ASE-Ettimadai	Dr.S.Veni	Image Processing

Cyber

S. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	Lakshmy K. V.	M. Sc Mathematics	Calicut University	Amrita University	M. Sethumadhavan, Professor & Head	Cryptography
2.	Chungath Srinivasan	M. Sc Mathematics	Calicut University	Amrita University	M. Sethumadhavan, Professor & Head	Cryptanalysis of Stream Ciphers
3.	Sindhu M.	M. Sc Mathematics	Calicut University	Amrita University	M. Sethumadhavan, Professor & Head	Error linear complexity
4.	Amritha P.P.	M. Tech in Cyber Security	Kannur University	Amrita University	M. Sethumadhavan, Professor	Multimedia security

				ty	& Head	
5.	Praveen K.	M. Tech in Cyber Security	Calicut University	Amrita University	M. Sethumadhavan, Professor & Head	Multimedia security
6.	Praveen I.	M.Sc Mathematics	Calicut University	Amrita University	M. Sethumadhavan, Professor & Head	Cryptography
7.	Kandasamy Muniassamy	M.S. in Computer Science	The University of Southwestern Louisiana	Amrita University	M. Sethumadhavan, Professor & Head	Network Security
8.	Nimmy K.	M.Tech in Cyber Security	Amrita Vishwa Vidyapeetham	nil	nil	Cyber security

CEN

S. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	Ms.K.Manjusha	M Tech	Amrita Viswa Vidyapeetham	Amrita Viswa Vidyapeetham	Dr Sumesh E P, Associate Prof, ECE,Amrita Viswa Vidyapeetham	OCR
2.	Ms.D.Pravina	M Tech	Amrita Viswa Vidyapeetham	Amrita Viswa Vidyapeetham	Dr Sumesh E P,ECE, Associate Prof, Amrita Viswa Vidyapeetham	Speech Recognition
3	Mr.Nidhin Prabhakar T V	M Tech	Amrita Viswa Vidyapeetham	Amrita Viswa Vidyapeetham	Dr P Geetha, Asst Prof,CEN, Amrita Viswa Vidyapeetham	Hyperspectral Image Classification
4	Ms.Nivitha Varghees	M Tech	Amrita Viswa Vidyapeetham	Amrita Viswa Vidyapeetham	Dr K I Ramachandran ,CEN, Prof, Amrita Viswa Vidyapeetham	Cardio Signal Analysis
5	Mr.Sachin Kumar S	M Tech	Amrita Viswa Vidyapeetham	Amrita Viswa Vidyapeetham	Dr M Anand Kumar,CEN,Asst Prof, Amrita Viswa Vidyapeetham	Hybrid Machine Translation System

6	Ms Sowmya V	M Tech	Amrita Viswa Vidyapeeth am	Amrita Viswa Vidyapeet ham	Dr D Govind, Asst Prof, Amrita Viswa Vidyapeetha m	Multispe ctral Imaging

EEE

Sl. No.	Name of the Research Scholar	Institution where registered for PhD (Dept / School / Campus)	Name, Designation & Institution of PhD Guide	Research Topic
1	Ms. A. Vijayakumari	Anna University, Coimbatore	Dr. N. Devarajan, GCT, Coimbatore	Investigation on grid connected PV inverters with dynamic compensation
2	Ms. Anju. S. Pillai	EEE Dept., Amrita Vishwa Vidyapeetham, Coimbatore	Dr. T.B. Isha, Professor, EEE, ASE, Coimbatore	Implementation of energy minimization technique in embedded processor which focus on scheduling
3	Ms.D.Kavitha	EEE Dept., Amrita Vishwa Vidyapeetham, Coimbatore	Dr. T.N.P. Nambiar, Professor, Chairman EEE, ASE, Coimbatore	Investigation of electric field and treeing in nano filled epoxy material
4	Mr.S.Selvakumar	EEE Dept., Anna University Coimbatore	Dr. R. Joseph Xavier Principal, Sri Ramakrishna Institute of Technology, Coimbatore	Optimal control of Biomass power plant in multi area interconnected system
5	Ms.K.R.M. Vijayachandrakala	Anna University, Coimbatore	Dr. K. Sankaranarayanan, EASA College of engineering and technology, Coimbatore	Load frequency control of multisource, multi area system using heuristic technologies
6	Ms.D. Prasanna Vadana	EEE Dept., Amrita Vishwa Vidyapeetham, Coimbatore	Dr. K.K. Sasi, Professor, EEE, ASE, Coimbatore	FPGA implementation of SVM based dynamic energy

				management on smart micro grid
7	Mr.S.R.Mohanrajan	EEE Dept., Amrita Vishwa Vidyapeetham, Coimbatore	Dr. K.K. Sasi, Professor, EEE, ASE, Coimbatore	Integration of Renewable energy sources
8	Ms. R. R. Lekshmi	EEE Dept., Amrita Vishwa Vidyapeetham, Coimbatore	Dr. S. Balamurugan, Asst. Professor (SG), EEE, ASE, Coimbatore	Smart technology for energy management on generation and demand side
9	Mr. P. Sivraj	EEE Dept., Amrita Vishwa Vidyapeetham, Coimbatore	Dr. K.K. Sasi, Professor, EEE, ASE, Coimbatore	Embedded System for Sensor web in Power Distribution network
10	Mr. S. Sampath Kumar	EEE Dept., Anna University Coimbatore	Dr.R.Joseph Xavier Principal,Sri Ramakrishna Institute of Technology,Coimbatore	Soft computing controls for torque, speed & flux control of Direct torque controlled induction motor drives
11	Mr. A. Suyampulingam	EEE Dept., Anna University	Dr. V. Subbiah, Visiting Professor, PSG College of Technology, Coimbatore	Neural network controller and effective DSP implementation for induction motor drives
12	Mr. N. Janarthanan	EEE Dept., Amrita Vishwa Vidyapeetham, Coimbatore	Dr. S. Balamurugan, Asst. Professor (SG), EEE, ASE, Coimbatore	Power flow control in smart grid using FACTS devices
13	Mr. S. Nithin	EEE Dept., Amrita Vishwa Vidyapeetham, Coimbatore	Dr. K.K. Sasi, Professor, EEE, ASE, Coimbatore	Real time Dynamic Load Management for Wind Electric Generators on

				Smart grid
14	Mr. P. Balakrishnan	EEE Dept., Amrita Vishwa Vidyapeetham, Coimbatore	Dr. T.B. Isha, Professor, EEE, ASE, Coimbatore	Multilevel Inverter Fed Drives
14	Mr. N. Praveen Kumar	EEE Dept., Amrita Vishwa Vidyapeetham, Coimbatore	Dr. T.B. Isha, Professor, EEE, ASE, Coimbatore	Sensorless Induction Machine Based Variable Frequency Drive
15	Ms. S. Sindhu	EEE Dept., Amrita Vishwa Vidyapeetham, Coimbatore	Dr. M.R. Sindhu, Assistant Professor, EEE, ASE, Coimbatore	Power Quality Improvement for Adjustable Speed Drives

Science

S. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1	Sunee sh P V	M Sc (Chemistry)	Calicut University	Department of Sciences	Dr T Ramachandra n, Professor, ASE, Ettimadai	Electrochemical Sensors
2	D. Keerthy	M.Sc. (Organic Chemistry)	Periyar university	Department of Sciences	Dr.T.G.Satheesh babu Asst. Professor(SG) ASE, Ettimadai	Biosensors
3	R. Devi	M.Sc (General Chemistry)	AVVM sri pushpam college, Poondi, Thanjavur	Department of Sciences	Dr. R. Yamuna Asst. Professor(SG) ASE, Ettimadai	Porphyrin
4	Roshima N.S	M.Sc Physics	Amrita Vishwa Vidyapeetham	Department of Sciences	Dr.M.Sivakumar (Associate Professor)	Nano Sciences

5	Sreedevi R Mohan	M.Sc Physics	Amrita Vishwa Vidyapeetham	Department of Sciences	Dr.M.Sivakumar (Associate Professor)	Nano Sciences
6	Vidhu Sara Vargis	MSc BIOTECHNOLOGY	Amrita Vishwa Vidyapeetham	Department of Sciences	Dr.T.G.Satheesh Babu	Biosensors
7	Jyothisree	MSc BIOTECHNOLOGY	Amrita Vishwa Vidyapeetham	Department of Sciences	Dr.T.G.Satheesh Babu	Biosensors
8	K.Nithya	ME Environment management	College of Engineering Anna University	Department of Sciences	Dr.S.Asha(Assistant Professor)	Waste Water Treatment

English

S.No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/ University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	M.G.Priya	M.A. (English)	Govt. Victoria College, Palakkad Calicut University	Dept of English, Amrita School of Engineering Amrita University	Dr. Harini Jayaraman Chairperson & Professor Dept of English Amrita School of Engineering Amrita University	The concept of Divine love in the poems of Rabindranath Tagore and Kabir
2.	Ambika P.	M.A.(English)	St. Joseph's College, Devagiri Calicut University	Dept of English, Amrita School of Engineering Amrita University	Dr. Geetha SenthilKumar Asst.Prof.Sl.Gr Dept of English Amrita School of Engineering Amrita University	The conflict between Spirit and Flesh in the select works of Nikos Kazantzakis
3.	Sandhya V.	M.A.(English)	Govt. Victoria College, Palakkad Calicut University	Dept of English, Amrita School of Engineering Amrita	Dr. Harini Jayaraman Chairperson & Professor Dept of English Amrita School of	Child's Perspective in select works of Kamala Das

			y	University	Engineering Amrita University	
4	K.A. Krishnal alitha	M.Phil (English)	P.S.G.R Krishnam mal College for Women, Bharathia r Universit y	Dept of English, Kongunadu Arts and Science College, Bharathiar University	Dr. R. Santhakumari, Professor & Head, Dept of English, Kongunadu Arts and Science College, Bharathiar University	The Poetry of Suffering in Euripidean Macrocosm- A study
5	Shobana K.	M.Phil (English)	St. Joseph's college, Trichy Bharathid asan Universit y	Dept of English, Kongunadu College of Arts & Science, Bharathiar University	Dr. Shoba Ramaswami Asst.Professor Dept of English Kongunadu College of Arts & Science, Bharathiar University	Folk Tales of India – translated by A.K. Ramanujan

Chemical

S. N o.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specializ ation	Name of the College/Universi ty (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designatio n, & Institution of PhD Guide	Research Topic / Area
1.	Meera Balachan dran	M.Tech (Polymer Technolo gy)	Cochin University of Science and Technology	Amrita Vishwa Vidyapeet ham	Dr. S.S. Bhagawan. Professor, Amrita Vishwa Vidyapeet ham	Polymer Nanocompo sites
2.	Jelmy E J	M.Sc (Applied Chemistr y)	University of Calicut	Amrita Vishwa Vidyapeet ham	Dr. Nikhil K. Kothurkar, Associate Professor, Amrita Vishwa Vidyapeet ham	Polymer Nanocompo sites
3	Ramakris	M.Tech	Anna University	Amrita	Dr. Nikhil	Carbon

	hnan	(Polymer Science & Engineering)		Vishwa Vidyapeetham	K. Kothurkar, Associate Professor, Amrita Vishwa Vidyapeetham	based nanomaterials
4	Mohanraj . S	M.Sc (Materials Science)	Anna University	Amrita Vishwa Vidyapeetham	Dr. Duraisamy Kumaresan Assistant Professor, Amrita Vishwa Vidyapeetham	Synthesis of semiconducting materials for dye sensitized solar cells
5	P. Sankudevan	M.Sc/M. Phil (Chemistry)	Bharathiyar/Pondicherry University	Amrita Vishwa Vidyapeetham	Dr. Duraisamy Kumaresan Assistant Professor, Amrita Vishwa Vidyapeetham	Synthesis of photo sensitizers for dye sensitized solar cells
6	Vijitha S. Nair	M.Tech (Chemical Process Control)	University of Calicut	Amrita Vishwa Vidyapeetham	Dr. Murali Rangarajan Associate Professor, Amrita Vishwa Vidyapeetham	Plastic Pyrolysis
7	N. Thamarai Selvi	M.Sc (Materials Science)	Anna University	Amrita Vishwa Vidyapeetham	Dr. Murali Rangarajan Associate Professor, Amrita Vishwa Vidyapeetham	Electrochemical deposition
8.	Vinoj	M.Tech	Cochin	Amrita	Dr. Murali	Carbon

	Vasu	(Polymer Technology)	University of Science and Technology	Vishwa Vidyapeetham	Rangarajan, Associate Professor, Amrita Vishwa Vidyapeetham	based nanomaterials
9.	Senthil kumar	M.Sc (Materials Science)	PSG Tech (Anna University)	Amrita Vishwa Vidyapeetham	Dr. Nikhil K. Kothurkar, Associate Professor, Amrita Vishwa Vidyapeetham	Material Science
10	Harish Somasekhar	M.Tech (Polymer Technology)	Cochin University of Science and Technology	Amrita Vishwa Vidyapeetham	Dr. S.S. Bhagawan. Professor, Dr. Meera B Sasikumar (Assistant Professor) Amrita Vishwa Vidyapeetham	Polymer Nanocomposites
11.	S. Prem Anandh	M.Sc		Amrita Vishwa Vidyapeetham	Dr. Murali Rangarajan, Associate Professor, Amrita Vishwa Vidyapeetham	

IT

S. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	B.Rajathilagam	M.Tech(CIS)	Cochin University	Amrita University, Ettimadai	Dr.K.P.Soman, Head, CEN	Signal Processing in

						Sensor Networks
2.	S.Padmavathi	ME (CSE)	Govt.College Of Technology	Amrita University, Ettimadai	Dr.K.P.Soman, Head, CEN	Digital Image Processing
3	C.Arunkumar	M.Tech(CSE)	VIT University, Vellore	Anna University of Technology, Coimbatore	Dr.S.Ramakrishnan, Professor and Head-IT, Dr.Mahalingam College, Pollachi	Digital Image Processing
4	K.Ragheesh Krishnan	M.Tech(CVIP)	Amrita University, Coimbatore	Anna University of Technology, Coimbatore	Dr.R.Sudhakar, Professor and Head-ECE, Dr.Mahalingam College, Pollachi	Digital Image Processing
5	R Aarthi	M.Tech (CVIP)	Amrita University	Amrita University	Dr. C Shanmuga Velayutham, Prof Dept of CSE	Robotics Cognition
6	B A Sabarish	M.Tech (IT)	Anna University	Amrita University	Dr. Karthi R, Associate Prof, Dept of CSE	Data Mining
7	K.R.Bindu	M.Tech (CSE)	NIT, Trichy	Amrita University	Dr.Latha Parameshwaran, Professor and Chairman - CSE	Information Retrieval

Civil

S. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	Ms. Dhanya Sathyan	M.Tech, Structural Engineering	National Institute of Technology, Calicut	Department of Civil Engg., Amrita School of Engg., Coimbatore	Dr.K.B.Anand Chairman, Department of Civil Engg.	Self compacting concrete
2	Ms.Sunith	M.Tech,	National	Indian	Dr.Ravindra	Fibre

	a K Nayar	Structural Engineering	Institute of Technology, Calicut	Institute of Technology, Madras	Gattu, Professor, IIT, Madras	Reinforced Concrete
3	Ms.Sunitha.P	M.Tech, Structural Engineering	Indian Institute of Technology, Madras	Indian Institute of Technology, Madras	Dr.C.V.R. Murty Professor, IIT Madras	Seismic Design of Structures

Mech

S. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	S.Karthick	M.E. (Ref & A/C)	College Of Engineering Guindy, Anna University	Aerospace Engineering Department, Amrita School of Engineering, Ettimadai, Coimbatore	Dr.V.Sivadas, Associate Professor, Amrita School of Engineering, Ettimadai, Coimbatore	Liquid jet Instability
2.	K.Balaji	M.E (Thermal sciences)	GCT Salem	Aerospace Engineering Department, Amrita School of Engineering, Ettimadai, Coimbatore	Dr.V.Sivadas, Associate Professor, Amrita School of Engineering, Ettimadai, Coimbatore	Spray optimization in gas turbine combustor
3	A S Prakash	M. Tech. (Propulsion Engg.)	College of Engg., Trivandrum, University of Kerala	Mechanical Engineering Department, Amrita School of Engineering, Ettimadai, Coimbatore	Dr. V.Ratnakishore, Assistant Professor, Amrita School of Engineering, Ettimadai, Coimbatore	Granular Flow
4	J.Selvaraj	ME (Computer)	PSG College of Technology	Mechanical Engineering, Amrita	Dr. K. I Ramachandran, Professor,	Green Manufacturing

		Integrated Manufacturing)	, Coimbatore	School of Engineering, Coimbatore	Amrita School of Engineering	
5	P.Krishnakumar	ME (Computer Integrated Manufacturing)	PSG College of Technology, Coimbatore	Mechanical Engineering, Amrita School of Engineering, Coimbatore	Dr.K.Rameshkumar, Dr.K.I.Ramachandran Professor, Amrita School of Engineering	High speed machining of Ti Alloys
6	M.Saimurugan	M.E(CAD)	Government College of Engineering, Salem	Mechanical Engineering, Amrita School of Engineering, Coimbatore	Dr.K.I.Ramachandran, Professor, Amrita School of Engineering	Multi Component fault diagnosis of rotating machinery
7	S.Saravana Murugan	M.E (Engineering Design)	Kongu Engineering College	Mechanical Engineering, Anna University, Chennai	Dr.T.Alwarsamy	Vibration control in machine tools
8	N.RSakthivel	M.E (Engineering Design)	Kongu Engineering college/Barathiar University	Karpagam University	Dr.V.Sugumaran, Assistant Professor, SRM University	‘Fault Diagnosis of Monoblock Centrifugal Pump – A Machine Learning Approach’
9	S.Ravikumar	ME (CAD)	Govt College of Engg. Salem	Mechanical Engineering, Amrita School of Engineering, Coimbatore	Dr.KI.Ramachandran, professor, ASE, cbe	Machine Learning and Automated Visual Inspection
10	Mr.P.Raghuram	M.E (Manufacturing Engineering)	P.S.G Tech	Mechanical Engineering, Amrita School of Engineering, Coimbatore	Dr.P.G.Saleesha, Assoc Prof, ASE,CBE.	Supply Chain management

11	A.Sumesh	M.Tech (Manufacturing Engineering)	Amrita	Mechanical Engineering, Amrita School of Engineering, Coimbatore	Dr.K.Ramesh Kumar	Manufacturing
12	R.Saravanan	M.Tech (Manufacturing Engineering)	Amrita	Mechanical Engineering, Amrita School of Engineering, Coimbatore	Dr.R.Sellamuthu	welding
13	Srihari	M.E (Thermal Engineering)	Anna	Mechanical Engineering, Amrita School of Engineering, Coimbatore	Dr.S.Thirumalini	Heat Engine
14	D.Senthil Kumar	M.E (Thermal Engineering)	Annamalai University	Amrita School of Engineering Coimbatore	Dr.S.Thirumalini	Heat engine
15	Pushparajan .M	M.Tech (Engineering Design)	Amrita University	Amrita School of Engineering Coimbatore	Dr.K.I.Ramachandran and Dr.C.Santhosh Kumar	Scalable Fault Models for the Prognosis and Diagnosis of electrical systems for Aircraft Systems
16	Tamilarasan .N	M.Tech (Engineering Design)	Amrita University	Amrita School of Engineering Coimbatore	Dr.S.Thirumalini and Dr. Jerome .R	Finite Element Modeling of Electrostrictive materials
17	Unnikrishnan. D	M.Tech (Engineering Design)	Amrita University	Amrita School of Engineering Coimbatore	Dr.Ajith Ramesh	Wear Analysis
18	C.S.Sumesh	M.Tech (Production Engineering)	Calicut University	Amrita School of Engineering Coimbatore	Dr.Ajith Ramesh	Wear Analysis

		ng)				
19	A. Shanmugasundaram	M.Tech (Production Engineering)	Anna University	Amrita School of Engineering Coimbatore	Dr. Sanjivi Arul	Welding Technology
20	V. R. Sathish Kumar	M.Tech (Production Engineering)	Karpagam University	Amrita School of Engineering Coimbatore	Dr.S.P. Anbuudayakankar	Supply Chain and Logistics

Mechanical Engineering - Research Associate - JRF

S. No.	Name of the Research Associate	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Project Funded by	Name, Designation, & Institution of Principal Investigator	Research Fund allocated by the agency
1	Praveen Kumar. T	M.Tech – Automotive Engineering	Amrita Vishwa Vidyapeetham	DRDO	Dr. K.I.Ramachandran	28.4 Lakhs

Aerospace

S. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	Wg. Cdr(Rtd) TVK Sushilkumar	M.Tech (Control)	IIT, Bombay	Aerospace/ Amrita School of Engineering / Ettimadai	Dr. J. Chandrasekhar, Chairperson & Amrita School of Engineering	Development of a cooling system and its control law as an alternative to air conditioners
2	Mr. T. Rajesh Senthil Kumar	M.Tech (Engineering Design)	Amrita University, Ettimadai	Aerospace/ Amrita School of Engineering /	Dr. V. Sivakumar, Associate Professor & Amrita School of	Design Development and Testing of Continuous Morphing

				Ettimadai	Engineering	of Convention al Aircraft Wings

Annexure – Evaluative Report – Item 43 - List the distinguished alumni

List the distinguished alumni of the department (maximum 10)

ECE

S. No	Name	Batch	Present position
1.	Mr.Arwindh PA	2000-04	C-DOT Alcatel Research Centre
2.	Mr.D.Mahendran	2000-04	ST Ericsson - India
3.	Mr.Vinayan M	2003-07	Larsen & Toubro Missile Division- Mumbai
4.	Ms.Manasa Valipa	2004-08	Analog Devices- USA
5.	Mr.P.Sivaseethraman	2005-09	Advanced Helicopter laboratory – University of Arizona
6.	Mr.Ravichandran K.Raghavan	2007-11	National Instruments
7.	Ms.Abirami Prabhakaran	2004-08	Intel Corporation USA
8.	Mr.Pon Matahvan	2006-10	Scientist C- ISRO
9.	Ms.Prathyusha	2006-10	Scientist C- ISRO
10.	Ms.Sari S.menon	2010-12 (M.Tech)	Engineer - Mini Circuits
11.	Mr.V.C.Hariharan	2008-12	Engineer- Microchip
12.	Mr.C.S.Udhay Kumar	2000-2004	Ph.D Carnegie Melon University
13.	Mr.Shyam Sundar	2005-09	Engineer – Intel Corp USA

CEN

1. Dr. Shyam Diwakar (Asst. Prof. Amrita Viswa Vidhyapeetham, PhD- University of Milan, Italy)
2. Dr Shivsubramani Krishnamoorthy, (PhD- University of Maryland)
3. Mr. Loganathan Ramasamy - PhD student at the Institute of Formal and Applied Linguistics (ÚFAL), Charles University in Prague.
4. Mr. V Ajay - PhD Scholar at Princeton University
5. Mr. Harshawardhan - PhD Scholar at Bielefeld university germany
Germany
6. Mr. Senthil Murugan – IIT Madras, now in Germany under DAAD scholarship
7. Ms. Lakshmi Krishnan – PhD Scholar at Vitoria University, New Zealand
8. Mr. Praveen Krishnan – pursuing PhD at IIITH
9. Mr. Karthik S – PhD Scholar at Eindhoven university, Netherland

EEE

Sl. No.	Name	Year of Graduation	Current Designation & Organization (E-mail IDs, Phone Nos.)

1	Prajof P (M. Tech.)	2011	Research Scholar. IIT Bombay Prajof@gmail.com, +919967325672
2	Sabarish Balakrishnan (B.Tech)	2012	Ford College Graduate, Ford India Private Limited bsabaris@ford.com, +919894919685
3	Senthil Rajan (B.Tech)	2012	Application Engineer, Honeywell technology solutions senthilrajan.premkumar@honeywell.com, +918951402036
4	Sidhartha B. (B.Tech)	2012	Graduate Engineering Trainee, UTC Aerospace Systems vinukonda.siddartha@utas.utc.com – 8123756411
5	Sarangi V.L. (B.Tech)	2012	Assistant Software Engineer, Robert Bosch GmbH sarangiveeramanilekamani@bosch.in.com, +919488003049
6	Shivaram K. Viswanathan (B.Tech)	2011	Software Engineer Car Multimedia Dept. , Robert Bosch GmbH shivram.kviswanathan@in.bosch.com, +919446281763
7	Parameswaaran R. (B.Tech)	2011	Senior Engineer, Titan Industries parameswaaran@titan.co.in, +919500648780
8	Catherine Sylvia A (B.Tech)	2011	PPM BOM Analyst, Ford India Private Limited catherin@ford.com, +914427483255
9	Anoop Nelson (M.Tech)	2011	Senior Engineer, TATA ELXSI anoopnelson@tataelxsi.co.in, +919744015030
10	Poonkodi Radhakrishnan (B.Tech)	2010	Senior Quality Manager, QA&QC Dept. , Larsen & Toubro Limited, Mysore poonkondi.r@myw.ltindia.com, +917259701156
11	Ajesh Mathew (M.Tech)	2010	Software Engineer, Huawei technologies India Pvt. Ltd. ajesh.mathew@huawei.com, +917259167669
12	Mohammad Ayaz P.J. (M.Tech)	2010	Senior Software Engineer, Robert Bosch GmbH mohammad.ayaz@in.bosch.com, +919994185983

Chemical

- Atheejoe Nargunam, Marketing Manager, Energy & Advanced Materials Business, at 3M India Limited

- Kumar K, Key Accounts Manager- Sales- Southern India, SABIC India-Innovative Plastics BU
- Praveenraj AVB , Business Development Manager – South, DSM Engineering Plastics
- Bharathi Raja, Deputy Manager- Blade Technology, ReGen Powertech
- Rajesh Kumar P V, Assistant Manager, L&T - Plastic Product Designer, Moldflow
- Niranchana Ramachandran, Advanced Development Engineer, The Haartz Corporation, Acton, MA
- Venkat Appaji, Operations Manager at WELSET AMERICAS INC
- Dr. Neelesh Shukla, Deputy Manager at Aditya Birla Science & Technology Company
- Sri Vaishnavi, Product Specialist, Pidilite Innovation Centre, Singapore
- Rakhee Venugopal Purchasing Researcher at [PUBLIC WORKS AUTHORITY \(ASHGHAL\)](#)
- Gowri D Research Engineer at [Saint-Gobain, Marlborough, Massachusetts](#)
- Loganathan K, Extrusion Engineer, Medtronic Cardiovascular, USA
- Aditya Narayanan, Scientist, SABIC Innovative Plastics, San Francisco Bay Area
- Satheesh Kumar Paramasivam, Tech Lead at Schneider Electric, Bangalore
- Pranavabalaji R, Process Engineer- Prototyping & Process Validation – SBT, Suzlon Wind Energy A/S
- Thilip INDIRAN, Manager - Manufacturing Excellence at Johnson Matthey, Mumbai

IT

- Varun Darbari – Microsoft
- Padmalatha – Microsoft
- Deepika.P – Microsoft
- Ashok Gautham – Thought Works
- Vishnu Karthik – Thought Works
- Jothirlatha.V – Math Works
- Vignesh.M – Microsoft
- Hari Krishna Menon - Microsoft

Civil

1. Mr. Harikrishnan- Engineer, Planning Department, L&T Modular Fabrication Yard, Sultanate of Oman. E-mail: harikrishnan.civ@gmail.com
2. Ms.Hema Sharanya - Railway Business Unit, Transportation Infrastructure IC,Larsen & Toubro,Faridabad E-mail: sharanya.hema4@gmail.com;
3. Mr. Gowthem manikandan – Planning Engineer – Civil Procurement, L&T.
E-mail: gowthem@gmail.com
4. Mr.Anand S- Engineer, Shobha Developers, Cheenai, E-mail:

Mech

S.N o.	Name:	Present employer's name and address	Awards received from present employer	Awards received from previous employer / other organisations	Roll no.	Year of passing
1	V. Sugumaran	VIT University, Chennai Campus	Best Researcher Award 2011	Gold medalist M.Tech. (PEST) from VTU, Belgaum		1998
2	Naveen	Danfoss	Several		942780	1998
3	Narasiman Velladurai	Cochlear Australia			94ME18	1998
4	Panneer Selvam A	Sumeru Knits, SF No. 438, Pollachi Main Rd, Kamanaickenpalayam, Palladam, Coimbatore Dt, TN – India, Pin: 641 658			95PR11	1999
5	N.GANAPATHY SUBRAMANIAM	ING vysya bank Coimbatore			95ME07	1999
6	Rajesh Chittor Sundaram	ORACLE India Pvt Ltd			9527KO127	1999
7	arun c	Daimler india CV ltd	top R&D performer 2013		96PR02	2000

8	Pramodh Radhakrishnan	Indish Technologies FZC, PO Box 9379, Sharjah, UAE		We are Indish Technologies - we are a design engineering and consultancy company headquartered in Dubai with Offshore Design facilities catering to the Automotive / Aerospace and Ship Building Industries.	96ME16	2000
9	GOKUL VASUDEV	SIEMENS INDUSTRY SOFTWARE INDIA PRIVATE LIMITED	Best Strategic Deal for FY11, Siemens India	* Best Competitive Win FY12 - Velocity Business Group, Siemens India * "Best Project India" while working with Bose Corporation India	96ME03	2000
10	A.Karthikeyan	ABB Limited, Local Business Unit : Drives and Controls, Plot No	Outstanding Employee of Year - 2010	Certificate of Appreciation from South India Mills Association	97EE16	2001

		88/3,88/6 Basavanahalli, Nelamangala, Bangalore 562123				
11	Shailendra.T.Nair	QuEST, Bangalore			98ME43	2002
12	Sethu Madhanan K	Deloitte Consulting India Pvt Ltd,92/5, Salarpuria Supreme, Munnekola Village, Varthur Hobli, Outer Ring Road,Bangalore-560037	Applause Award		98PR44	2002
13	Vijay Richard	Jaguar Land Rover (Tata Technologies)	few	Most innovative IT Project Award for 2012 for 3D bigdata simulation It may be noted that this is the second award in 2012 after the first one from BCS (British Computer Society) Industry award for the team		2002

14	Senthilkumar Murugesan	Unilogic Technologies Private Limited, Coimbatore		Promising Venture Award - ISBA 2013 for Unilogic Technologies.	98ME42	2002
15	Krishna Kumar PG	GE India	Management award for engineering excellence		99ME23	2003
16	Arjun Adhi	Knitvel Needles Ltd, Hosur, Tamilnadu			00Me04	2004
18	LOKESH K. RAHEJA	L&T MHI TURBINE GENERATORS PVT. LTD, HAZIRA MANUFACTURING COMPLEX, HAZIRA - SURAT		"Winners" of L&T Power Beat Future Leaders Conclave - 2011 conducted by L&T Power - Knowledge City, Vadodara on 18th November 2011 "Second Winner" for the 20th Annual Awards for Outstanding Young Managers - 2011 (AAOYM) conducted by Baroda Management	CB105ME031	2009

				Association (BMA) on 22nd - 24th May 2011		
19	ASWIN KUMAR S	MAHIND RA RESEARC H VALLEY, MAHIND RA WORLD CITY,ANJ UR ,KANCHI PURAM			CB107M E014	2011
20	Aneezraja M	Larsen & Toubro Constructio n	First prize in safety quiz		CB107M E105	2011
21	Santosh Kumar S	Sasan Power Ltd., Near Krishi Upaj Mandi, Main road bilaunji, Post Waidhan, Singrauli- 486886	Ranked 3rd best GET of the 2011 batch		CB107M E052	2011

MSW

- Muhammed Muhasin 2008- 10 batch : Now a Student of Ph D at JNU with JRF
- Mirshad Rehman : 2010-12 Batch : Now a student of PhD at Pondicheri University with JRF.

CSE

- a. Vibushan Lakshminarayan(0110404058) is currently a consultant at Deloitte Australia and Developer, QA lead, Solution Delivery, Telstra BI CoE at Telstra. He completed his Master s of Information Systems in University of Melbourne. His project to measure the progress of Indigenous Australian children through their interaction on the web through common, individual and community goals has won various awards from the Australian government.
- b. **Manu P Iyer(BTech 2002 Batch) is currently a** Business Development Manager at MindTree Ltd.He completed his MBA from SP Jain Center of Management.
- c. **Preethi Ramesh is currently** Graduate student at University of Southern California. She is the recipient of the Google Anita Borg Award and she has served as panel member in the Grace Hopper celebration for Women.
- d. Rangakarthiskeyan Nagaraj(MCA 1997 batch) is currently a Network Engineering Consultant at Wipro Technologies, Ciena, Canada. He completed his MBA from Symbiosis Institute of Business Management.
- e. Balsree R(BE 1996-2000 Batch) is currently the product Manager at Subex Ltd. He pursued his masters in Indian Institute of Technology, Bombay.
- f. Aswani kumar(MCA 2006 Batch) is currently an entrepreneur. He is the CEO of Nishta Solutions, Coimbatore.
- g. **Dr. Vivek Menon(BE 1995-99 batch) is currently Associate Professor at Amrita School of Business. He has** twelve years of teaching and research experience. He was a visiting research scientist at the Center for Unified Biometrics and Sensors (CUBS), Dept. of CSE, State University of New York (SUNY) at Buffalo from 2007-09. His ongoing collaborative research on smart environments with SUNY at Buffalo has featured in prestigious international journals and conference proceedings published by the IEEE, Springer-Verlag and Elsevier.

Annexure – Evaluative Report – Item 44 -student enrichment programmes

Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

ECE

S. No.	Name of Expert Resource	Topic	Date	Number of participants
1.	Dr.Sundar Gopal – Professor – Amritapuri campus	Challenges in submicron CMOS fabrication	24 th October 2009	25 M.tech VLSI Students
2.	Dr. G.Bakthavathsalam, KG Hospital	Engineering in Surgery	August 23, 2011	M,Tech BME Students (25)
3.	Dr. Rashmin Gandhi Sankara Nethralaya, Chennai	Instrumentation in Cataract Surgery	September 13, 2011	M,Tech BME Students (25)
4.	Dr. Abhishek Kothari R, Aravind Eye Hospital, Coimbatore	Optical Coherence Tomography in Ophthalmology	October 11, 2011	M,Tech BME Students (25)
5	Dr. Anbarasu, Hi Tech Scans, Coimbatore	Better imaging Better Diagnosis	November 8, 2011	M,Tech BME Students (25)
6	Prof V Jagadeesh Kumar, IIT Madras	Engineering challenges of Mobile Eye Surgery Unit	November 15, 2011	M,Tech BME Students (25)
7.	Prof Vladimir Blazek, RWTH---Aachen, Germany	My experiments with Micro and Hypergravity	January 10, 2012	M,Tech BME Students (25)
8.	Prof Vladimir Blazek, RWTH---Aachen, Germany	Germany Blood Volume Clouds PPG	January 12, 2012	M,Tech BME Students (25)
9	Dr Ajith Kumar V K, Great Ormond St Children's Hospital, London	Genetics – The Future of Medicine	April 9, 2012	M,Tech BME Students (25)

Chemical

S. No.	Name of Expert Resource	Topic	Date	Number of participants
1	Dr. Anand Kumar, Director, Petrotech Society and former R & D Head, IOCL	Proud to be a Chemical Engineer	30th January 2012	120
2	Dr. R.V.G.K. Rao, Former Scientist F, National	➤ Building up a Career in Chemical Engineering - Laying the Foundation	19th & 20th March 2012	120

	Aeronautics Laboratory, delivered the series of lectures on on following topics:	➤ Challenges and Opportunities in the Career of a Chemical Engineer ➤ Chemical Engineering and Advanced Polymer Composites (including design aspects) ➤ Chemical Engineering and Material Science Interface		
3	Mr. G. Chidambaram, Superintendent, Technical Services, The Bahrain Petroleum Company (Bapco), Bahrain	Safety Aspects in Chemical Industries	4th April, 2012	120
4	Mr. Venugopal, Senior Director, Indo-Oman Fertilizer Company	Journey of Chemical Engineer: Present & Future Opportunities	12th September 2012.	120
5	Dr. Subash Risbud, Chair - Department of Chemical Engineering and Materials Science, UC Davis- University of California delivered an invited talk on the topic”	“Synthesis, Structure and Properties of Photonic and Electronic Materials	17th November 2012	120
6	Mr. Satish Madhavan, General Manager – Business Development, Kavin	Overview of Oil and Gas Industry	12th March 2013.	120

	Engineering & Services Private Ltd			
7	Dr. V. Chandrasekhar, Dean, Tata Institute of Fundamental Research (TIFR), Centre for Interdisciplinary Sciences (TCIS), Hyderabad	Single Molecule Magnets	22nd March 2013	30
8	Sri. Shekhar Kuamar, Scientist G, Nuclear Reprocessing Group, Indira Gandhi Centre for Atomic Research	(i) Nuclear Fuel Cycle and Reprocessing - An Introduction and (ii) Design and Development of Nuclear Solvent Extraction Equipment	22nd January 2011	
9	DR. RMVGK Rao, Formerly Scientist G-Director Grade & Founder Head, of Fibre Reinforced Plastics Division. at National Aerospace Laboratories (CSIR), Bangalore),.	Six Invited Talks on on the following topics: Introduction to Advanced Composites, Potentials and Applications Diversity, Property Relationships and Choice, Processing and Manufacture-Different Approaches, Testing, Evaluation and Design Considerations, Advanced Applications and some Case studies	21st to 23rd March 2011	
10	Prof. G. Madhu, Head, Division of Safety and Fire Engineering, Chemical Engg Group, CUSAT	Safety and Health concerns in chemical process industry. Hazard identification and Risk assessment: Tools for emergency planning in process plants.	29th March 2011	
11	One day workshop in Design of	Design of Experiments	20th January 2011.	50

	Experiments			
12	Dr.N.S. Venkat Raman and P. Shyamasundar of Nandini Chemicals Consultancy Center, Chennai	Career Opportunities in Chemical Technology	23rd January 2010	120
13	Dr. A.V. Rama Rao, CMD of Avra Laboratories Pvt Ltd Hyderabad gave Guest lecture on.		30th January 2010	
14	Dr. Lakshmi Vaideeswaran, of Dow Chemical Intrenational Pvt Ltd		12th February 2010	
15	One day guest lecture series by Dr. S. Antony Swamy, Head, MPCSCG, and Dr R V Subba Rao, Scientist G, Nuclear Reprocessing Division, IGCAR, Kalpakkam	Nanocrystalline nuclear materials / nano nuclear ceramics, Nuclear materials (Fabrication and Thermochemistry) and Phase equilibria (theory and experimental methods) - Solution thermodynamics Fundamentals of Separation sciences - Solvent extraction, Fundamentals of Separation sciences -Ion Exchange and Liquid Membrane and Process Chemistry Aspects of Spent Nuclear Fuel Reprocessing.	29.08.2009.	100
16	A Two week Certificate program in MATLAB	MATLAB	1st July to 14th July, 2009	60
17	Mr. S. E. Kannan, Director, Safety Research Institute, Atomic Energy	Role and function of Atomic Energy Regulatory Board	31st October 2009	25

	Regulatory Board, IGCAR, Kalpakkam, Chennai			

Civil

S. No.	Name of Expert Resource	Topic	Date	Number of participants
1	Dr. Ravindra Gettu, Professor, Department of Civil Engineering, IIT Madras	“Introduction to Civil Engineering Materials and Structures	13.03.2009	70
2	Dr.Manu Santhanam, Associate Professor, Indian Institute of Technology, Madras	Advances in Construction Materials’	8 th January 2010.	70
3	Dr.Narayanan Neithalath, Associate Professor, Arizona State University, USA	<i>Material Science of Concrete - Microstructure, Performance and Sustainability</i>	3 rd January 2011	90
4	Mr.Rajiv Sharma ,Computers & Structures Inc.	Training programme on SAP & ETAB	16/5/2011 to 20/5/2011	54
5	Dr. K. N. Sathyanarayana, Professor, Department of Civil Engineering, IIT Madras	<i>Construction Management on 2nd August 2011.</i>	2/8/2011	70
6	Dr. Neelamani Subramaniam, Senior Research Scientist, Kuwait Institute for Scientific Research, Kuwait	<i>“Challenges of Civil Engineers in Ocean Engineering” during the inauguration of Amrita Civil Engineering Association</i>	5/8/2011	140
7	Er. Sudhakar, Consulting Engineer, Coimbatore	<i>Good Construction Practices</i>	6/9/2011	70
8	Mr.Rajiv Sharma, Computers & Structures Inc.	Training programme on SAP & ETAB	20/6/2012 to 25/6/2012	40

Mech

S.	Name of Expert Resource	Topic	Date	Number of

No.				participants
1	Society of Automotive Engineers - BAJA Workshop	Automotive engineering	13-06-2009 TO 14-06-2009	525
2	Society of Automotive Engineers - INDIA National Convention	Automotive engineering	05-10-2009 TO 06-10-2009	1300
3	Society of Automotive Engineers – Technical Lecture	Automotive engineering	16-08-2010	400
4	Association of Mechanical Engineers (Value Engineering)	Value engineering	22-09-2010	400

CSE

S. No.	Name of Expert Resource	Topic	Date	Number of participants
1	Vidya Sridhar	Software Sizing	06.10.08	25
2		Extreme Programming	06.10.08	22
3	Partha Dhar	Wireless Sensor Networks	03.10.08	24
4	Sunil Kumar, Praveen Kumar, Swamynathan	J2EE	19.09.08	21
5	NAAC committee	NAAC Sensitization Session	18.08.08 – 21.08.08	27
6	Mr.V.Ananthanarayanan	Wireless Networks	29.07.08	23
7	Mr.Sunil Kumar Ms.K.Nalinadevi	PC Hardware Workshop	11.07.08 – 16.07.08	20
8	Microsoft Resource Person: Dhaval Faria , Founder and Managing Director for Hirdhav Software Pvt. Ltd.	C# and .NET	25.04.09	22
9	Dr ARajeswari.M.E.,Ph.D., Asst. Professor/ECE, CIT Cbe	Spread Spectrum Techniques for Wireless Communication	16.04.09	21
10	Dr.Krishna Shivalingam of IIT, Chennai	Optical and Sensor Networks & Interactive session on “Open Research Problems”	30.03.09	22
11		Image Processing Techniques	05.01.09 – 07.01.09	30
12		ASCII-FOSS	Nov, 2009	

		project contest		
13		Cerebral wars	12/10/09	25
14		Technology for Social Welfare'09	09/10/09	23
15		Embedded Wireless Technologies	13/09/09	20
16		Install fest-Foss Installing Workshop	Aug, 2009	22
17		MATLAB	20/07/09 – 22/07/09	21
18		PC Hardware workshop	09/07/09 - 10/07/09	22
19		AMRITA ACM-W International Conference (Celebration of Women In Computing)	16.07.10 – 17.07.10	600
20		FDP on Digital Signal Processing	05.07.10 – 15.07.10	46
21		Workshop on Linux, Core Java and Networking	05/04/10- 09/04/10	21
22		Image Processing and Matlab Programming	17/03/10 – 20/03/10	725
23	Mr. G. Jeyakumar), Introduction to RDBMS (Resource person: Mrs.N.Harini Mrs.N.Lalithamani), Software Engineering Practices (Resource person: Ms.C.K.Shyamala, Ms.N.Lalithamani) , Computer Networks (Resource person: Mr.V.Anantha narayanan, Mr.J.Govindarajan) and Operating System (Resource person: Mr.G.Jeyakumar, Mr. V. Anantha	Workshop - Jump Start II	31.05.11 - 08.06.11	10

	narayanan)			
24		Hands on Training in JAVA	06.11.2011-07.11.2011, 13.11.2011	43
25		Hands on Training in Android	08.11.2011	50
26		Workshop on Open Source Tools for Image Analysis	31.10.11 & 01.11.11	23
27		Seminar on Open Source for Image Processing – MeVis Lab	29.10.11	60
28		Seminar on ‘Advanced Image Segmentation Techniques’,	12.10.2011	23
29		Workshop on FOSS	(10.10.2011-12.10.2011) & 19.10.2011	60
30		Workshop on Open Sources for Computer Vision and Image Processing	29.09.2011 - 12.10.2011	60
31	Mr.Fayas A, Project Manager, TELIBrahma Convergent Communications Pvt. Ltd.	Invited Talk on Recent Research in Industrial Image Analysis	12.09.2011	30
32		Workshop on "Document preparation using LATEX".	17.04.2012	30
33		National Workshop on Computer Vision and Image Processing Techniques (NWCVIPT)	21.02.2012 - 24.02.2012	350

34		Hands on approach to Information Security	28.01.2012	55
35		Workshop on Open CV	17-9-2012 - 20-9-2012	50
36		Hands on Workshop “Embedded Software Development on Beagle Board and Leopard Board“	8 th November 2012	30
37	Dr.Vidya Balasubramaniam and Mr.Avinash	Faculty Development Programme on Problem Solving and Paradigms	9 th July 2012.	20
38	Ms.Nalinadevi.K	Faculty Development Programme on Computer Language Engineering	10 th July 2012 and 11th July 2012	20
39		Hands-on workshop on Android system development	17 th November 2012 to 18 th November 2012	55
40	Final year students Nagarjuna Varma and Prashant Swaminathan presented their experience on FOSS projects and meet ups. The workshop was organized by faculty members Mr. D.Venkatraman and Ms. V. Smrithi Rekha, Assistant Professors, Department of CSE	FOSS Club of CSE Department organized the Mo Workshop to commemorate the Birthday of Mozilla	9th November 2012	70
41	Dr.Vidya Balasubramaniam Ms.Nalinadevi.K Ms.N.Harini	Workshop on Problem Solving and Programming Paradigms.The workshop was conducted as a part of the ACM-ICPC	23st January 2013 and 25th January 2013	70

		training initiatives of the department.		

MSW

S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants	Source of Funding	Seminar / Workshop Outcome
1.	One day seminar on “Understanding vulnerable communities”.	19.03.11	44	NSS& Amrita	Good
2	Six day workshop on Research Methodology	21.03.11 to 26.03.11	40	ICSSR & Amrita	Good
3	Two day workshop on Proposal Writing	25.04.11 To 26.04.11	20	Amrita	Good
4	“Research Methodology” & “An Introductory Course on Society and Development”	23.08.2011 to 07.09.2011	17	Amrita	Good
5	A course on “Public Health”	30.01.2012 to 05.02.2012	16	Amrita	Good
6	A workshop on Life Skills Education	21.10.2011	34	Amrita	Good
7	A course on “Public Health” has been organized Dr.Biju Soman MD from Sri Chithira Tirunal Institute of Medical Sciences & Research Center, Trivandrum will be the resource person.	4.02.201 to 16.02.2013	55	Amrita	Good
8	A course on “Social Work Research: Survey Method and Case Study Design” was organized with the help of Dr. Hebsur, Former Deputy Director, Tata Institute of Social Sciences, Mumbai was the resource person.	30.01.2013 to 03.02.2013.	17	Amrita	Good

9	A course on Indian Constitution and Democracy was organised by the leading Adv. Marooh of Mumbai High court	30/08/2013 to 1/09/2013	42	Amrita	Good
	A course on “Public Health” was organized from. Mr.Sunil Nandraj, Advisor (Regulation), Ministry of Child & Family Welfare, New Delhi was the resource person.	04.02.201 to 16.02.2013.			

Amrita School of Medicine – Kochi

AMRITA SCHOOL OF MEDICINE
Amrita Institute of Medical Sciences & Research Centre
Kochi-682 041

Consolidated Report of
NAAC Evaluation Report of the Departments

1. Name of the Departments :

1. Anatomy
2. Biochemistry
3. Physiology
4. Microbiology
5. Pathology & Blood Bank
6. Pharmacology
7. Forensic Medicine & Toxicology
8. Community Medicine
9. Medical Biostatistics
10. General Medicine
11. Geriatrics
12. Rheumatology
13. Paediatrics, Neonatology & Paediatric Genetics
14. Obstetrics & Gynaecology
15. Dermatology, Venerology & Leprosy
16. Psychiatry & Behavioural Medicine
17. Clinical Psychology
18. Pulmonary Medicine
19. Physical Medicine & Rehabilitation
20. Audiology & Speech Language Pathology
21. Pain & Palliative Medicine
22. General Surgery
23. ENT
24. Orthopaedics
25. Ophthalmology
26. Anaesthesiology
27. Radiotherapy & Medical Physics
28. Radiodiagnosis
29. Nuclear Medicine
30. Emergency Medicine (Casualty)
31. Cardiology
32. Paediatric Cardiology
33. Cardiac Anaesthesia
34. Endocrinology, Diabetology & Podiatry
35. Gastroenterology
36. Neurology
37. Nephrology
38. Medical Oncology
39. Cardiothoracic & Vascular Surgery
40. Neurosurgery
41. Plastic & Reconstructive Surgery

42. Gastrointestinal Surgery
43. Paediatric Surgery
44. Head & Neck Surgery
45. Surgical Oncology

2. Year of Establishment : 2002 (all above)

3. Is the Department part of a School/Faculty of the university? If so, specify.
All the above departments are part of the Amrita School of Medicine. The school is a constituent of the Amrita Vishwa Vidyapeetham University.

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

Undergraduate Programmes

S. No.	Name of Programme	Duration (Internship-IS)	Annual intake					
			2008	2009	2010	2011	2012	2013
1	MBBS	4 & half yrs + 1 yr IS	100	100	100	100	100	100
2	BASLP	3 yrs + 1 yr IS				11	20	25
3	B.Sc. Medical Radiologic Technology	4 yrs	11	12	15	15	20	15
4	B.Sc.Optometry	3 yrs + 1 yr IS		4	5	9	10	10
5	B.Sc.Respiratory Therapy	3 yrs + 1 yr IS			10	10	10	10
6	B.Sc.Medical Laboratory Technology	4 yrs					12	15
7	B.Sc.Emergency Medical Technology	3 yrs					7	10
8	B.Sc.Anaesthesia Technology	3 yrs + 1 yr IS						6
9	B.Sc.Cardiac Perfusion Technology	3 yrs + 1 yr IS						13
10	B.Sc.Dialysis Therapy	3 yrs + 1 yr IS						5
11	B.Sc.Physician Assistant	3 yrs						15
12	B.Sc.Diabetes Sciences	3 yrs + 1 yr IS						4
13	B.Sc.Echo Cardiography	3 yrs + 1 yr IS						4

14	B.Sc.Cardiovascular Tech	3 yrs + 1 yr IS						5
	TOTAL		111	116	130	145	179	237

Postgraduate Programmes

S. No.	Name of Program	Duration	2008	2009	2010	2011	2012	2013
1	Diploma in Clinical Pathology	2 yrs			3	3	3	3
2	Diploma in Anaesthesiology	2 yrs			6	6	6	6
3	Diploma in Gynaecologic Oncology	2 yrs			2	2	2	2
4	Diploma in Otorhinolaryngology	2 yrs			1	1	1	1
5	Diploma in Child Health	2 yrs			2	2	2	2
6	Diploma in Ophthalmology	2 yrs			2	2	2	2
7	Diploma in Orthopaedics	2 yrs			2	2	2	2
8	Diploma in Dermatology	2 yrs			1	1	1	1
9	Diploma in Psychiatric Medicine	2 yrs			1	1	1	1
10	Diploma in Medical Radiotherapy	2 yrs			1	1	1	1
11	Diploma in Phy. Medicine & Rehab.	2 yrs			1	1	1	1
12	Diploma in Medical Radiodiagnosis	2 yrs			1	1	1	1
13	Diploma in Tuberculosis & Chest Dis.	2 yrs			1	1	1	1
14	Diploma in Medical Radiological Sciences	2 yrs						6
15	Diploma in Clinical Research		7	10	4			
16	MD Anatomy	3 yrs				2	2	2
17	MD Biochemistry	3 yrs				2	2	2
18	MD Physiology	3 yrs				2	2	2
19	MD Microbiology	3 yrs				2	2	2
20	MD Pathology	3 yrs				2	2	2
21	MD Community	3 yrs				2	2	2

	Medicine							
22	MD General Medicine	3 yrs	4	4	4		8	8
23	MD Forensic Medicine	3 yrs			2	2	2	2
24	MD Geriatrics	3 yrs			1	1	1	1
25	MD Emergency Medicine	3 yrs					2	2
26	MD Nuclear Medicine	3 yrs					1	1
27	MD Anaesthesiology	3 yrs	5	5	5	5	5	5
28	MD Obstetrics & Gynaecology	3 yrs	2	2	2	2	3	3
29	MD Paediatrics	3 yrs	2	2	2	2	2	2
30	MD Dermatology	3 yrs				2	2	2
31	MD Psychiatry	3 yrs				2	2	2
32	MD Radiotherapy	3 yrs				2	2	2
33	MD Physical Med & Rehab	3 yrs			1	1	1	1
34	MD Radiodiagnosis	3 yrs		5	5	5	9	9
35	MD Pulmonary Medicine	3 yrs			1	1	1	1
36	MS General Surgery	3 yrs		4	4	4	6	6
37	MS ENT	3 yrs	1	1	1	1	3	3
38	MS Ophthalmology	3 yrs	1	1	1	1	4	4
39	MS Orthopaedics	3 yrs				2	2	2
40	DM Pulmonary Medicine	3 yrs			2	2	2	2
41	DM Cardiology	3 yrs		4	4	4	5	5
42	DM Endocrinology	3 yrs		1	1	2	2	2
43	DM Gastroenterology	3 yrs		1	1	1	2	2
44	DM Neurology	3 yrs		1	1	1	2	2
45	DM Nephrology	3 yrs		2	2	2	3	3
46	DM Medical Oncology	3 yrs				1	1	1
47	DM Paediatric Cardiology	3 yrs				1	1	2
48	DM Cardiac Anaesthesia	3 yrs					2	2
49	M.Ch. Cardiothoracic & Vascular Surgery	3 yrs		1	1	1	2	2
50	M.Ch. Neurosurgery	3 yrs		1	1	1	2	2
51	M.Ch. Urology	3 yrs		2	2	2	3	3
52	M.Ch. Plastic & Reconstructive	3 yrs			2	2	2	2

	Surgery							
53	M.Ch.Gastrointestinal Surgery	3 yrs			2	2	4	2
54	M.Ch.Paediatric Surgery	3 yrs				1	1	1
55	M.Ch. Head & Neck Surgery	3 yrs						2
56	Master of Hospital Administration	2 yrs		31	34	27	23	21
57	M.Sc.Neuroelectro Physiology	2 yrs + 6 m IS	4	4	2	4	1	2
58	M.Sc.Medical Anatomy	3 yrs	3	3	3	3	2	
59	M.Sc.Medical Biochemistry	3 yrs	5	4	5	1	1	
60	M.Sc.Medical Microbiology	3 yrs	6	5	4	2	1	
61	M.Sc.Medical Physiology	3 yrs	2	3	2	1		
62	M.Sc. Medical Pharmacology	3 yrs			2			
63	M.Sc. Medical Statistics	2yrs		2	2			4
64	M.Sc.Medical Lab Technology	2 yrs + 6 m IS	9	3	3	2	1	1
65	M.Sc.Dialysis therapy	3 yrs	3	5	5	2	1	
66	M.Sc. Cardiovascular Technology	3 yrs	3	3	5	4	4	
67	M.Sc. Cardiac Perfusion Technology	3 yrs	5	5	3	5	3	
68	M.Sc.Physician Assistant	3 yrs	17	16	7	7		
69	M.Sc. Anaes. & Intensive Care Technology	3 yrs	4	4	3	3		
70	M.Sc. Diabetes Sciences	3 yrs	3	2	2			
71	M.Sc. Medical Informatics	2 yrs	4	4				
72	M.Sc. Echocardiography	3 yrs				4	2	
73	M.Sc. Respiratory Therapy	2 yrs			1			1
74	M.Sc. Swallowing Disorders & Therapy	2 yrs					2	1
75	M.Sc. Clinical	2 yrs					7	7

	Research							
76	M.Phil Hospital Admn	2 yrs						
77	Ph.D.	NA						0
		TOTAL	90	141	159	157	174	169

5. Interdisciplinary programmes and departments involved

S. No.	Programme Name	Departments Involved	Programme Duration	Student Intake	Start Date
	All above programmes are interdisciplinary involving various departments , <u>except</u> : PG Diploma MD MS DM M.Ch. M.Sc. Statistics M.Sc. Medical Informatics	Various	Various 6 months to one and half years	As above	As above

6. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL

7. Details of programmes discontinued, if any, with reasons

S. No.	Programme Name	Year of discontinuation	Reason(s) for discontinuation
	M.Sc.Medical Informatics	2010	No teaching faculty
	Diploma in Clinical Research	2011	Converted to Masters Degree
	M.Sc.Medical Pharmacology	2011	Instead started B.Sc. programmes in the subjects (except Pharmacology);
	M.Sc.Diabetes Sciences	2011	
	M.Sc.Physician Assistant	2012	
1	M.Sc. Anaes. & Intensive Care Technology	2012	Entry level as Tutor only. As per the MCI guidelines, qualification not considered for promotions
2	M.Sc.Medical Physiology	2012	
3	M.Sc.Medical Anatomy	2013	
4	M.Sc.Medical Biochemistry	2013	
5	M.Sc.Medical Microbiology	2013	
6	M.Sc.Dialysis Therapy	2013	Instead started B.Sc. programmes in the subjects
7	M.Sc.Cardiovascular Technology	2013	
8	M.Sc. Cardiac Perfusion Technology	2013	
9	M.Sc.Echocardiography	2013	

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

MBBs – Semester system
 BASLP – Annual Examination
 B.Sc. all others – final year exam only
 PG Diploma/MD/MS/DM/M.Ch. – Final year exam only
 M.Sc. – final year exam only
 MHA – Semester system

9. Participation of the department in the courses offered by other departments

Only teaching & training for the concerned subject of the Department, duration ranging from six months to one and half years.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

S. No.	Department	Prof.	Assoc	Asst	Others(including MD/MS/DM/ M.Ch./Dip. students as Residents)
1	Anatomy	3	0	3	9
2	Biochemistry	3	1	1	9
3	Physiology	2	1	3	8
4	Microbiology	2	2	1	10
5	Pathology & Blood Bank	2	4	5	10
6	Pharmacology	2	0	1	3
7	Forensic Medicine & Toxicology	2	1	2	6
8	Community Medicine	3	1	3	10
9	Medical Biostatistics	1	0	3	0
10	General Medicine	4	5	8	22
11	Geriatrics	1	2	1	3
12	Rheumatology	0	1	1	2
13	Paediatrics, Neonatology & Genetics	3	1	7	12
14	Obstetrics & Gynaecology	7	1	6	13
15	Dermatology, Venerology & Leprosy	2	1	2	8
16	Psychiatry & Behavioural Medicine	3	1	1	9
17	Clinical Psychology	0	1	2	1
18	Pulmonary Medicine	2	2	4	8
19	Physical Medicine & Rehabilitation	3	0	2	7
20	Audiology & Speech Language Pathology	0	1	3	3
21	Pain & Palliative Medicine	0	0	2	1

22	General Surgery	5	4	4	16
23	ENT	2	3	2	9
24	Orthopaedics	3	2	4	10
25	Ophthalmology	3	2	3	12
26	Anaesthesiology	5	4	12	25
27	Radiotherapy & Medical Physics	3	1	4	10
28	Radiodiagnosis	4	4	3	23
29	Nuclear Medicine	2	1	2	6
30	Emergency Medicine (Casualty)	1	2	2	10
31	Cardiology	7	2	3	18
32	Paediatric Cardiology	3	1	1	4
33	Cardiac Anaesthesia	3	1	3	4
34	Endocrinology, Diabetology & Podiatry	4	2	2	8
35	Gastroenterology	8	2	3	6
36	Neurology	5	2	3	5
37	Nephrology	4	0	3	8
38	Medical Oncology	1	1	2	4
39	Cardiothoracic & Vascular Surgery	2	2	2	4
40	Neurosurgery	3	2	2	5
41	Plastic & Reconstructive Surgery	3	2	1	6
42	Gastrointestinal Surgery	4	2	3	10
43	Paediatric Surgery	2	1	1	4
44	Head & Neck Surgery	2	1	2	3
45	Surgical Oncology	1	0	1	2
	TOTAL	125	70	129	366

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
Faculty profiles sent separately					

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Note: Please provide details of date of appointment, courses taught, research projects executed, and any other contribution from the same. If the faculty are no longer with Amrita, mention the exit date. Provide in tabular form.

As per the Medical Council of India regulation, retirement age of faculty is 70 years. Highly talented faculty are re-appointed as visiting faculty as additional hands for teaching in the concerned subject of specialization and for patient care activities. The details are given below :

S.No.	Name	Designation	Department(subject)
1.	Dr. V.A. Narayanan	Professor	Gastroenterology
2.	Dr. Bhaskaran Pillai	Professor	Radiotherapy
3.	Dr. V. Balakrishnan	Professor	Gastroenterology
4	Dr. Arun Bal	Professor	Endocrinology & Podiatry
5	Dr. V.K. Bhaskaran	Professor	Orthopaedics

13. Percentage of classes taken by temporary faculty – programme-wise information

Less than 5%

14. Programme-wise Student Teacher Ratio

UG – 3 : 1 (MBBS)

2 : 1 (B.Sc.)

7 : 1 (BASLP)

PG – 2 : 1 (MD/MS/DM/M.Ch., M.Sc.)

15. Number of academic support staff (technical) and administrative staff: sanctioned, and actual.

In all the departments, adequate non-teaching staff are appointed as per the MCI norms and additional hands are provided as per assessment of the work load of the Department.

Designation	Sanctioned	Actual
Administrative	877	877
Technical	2048	2048

16. Research thrust areas as recognized by major funding agencies

N/A

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

NIL

18. Inter-institutional collaborative projects and associated grants received

l) National collaboration b) International collaboration

NIL

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR,

AICTE, etc.; total grants received.

NIL

20. Research facility / centre with

- state recognition
- national recognition
- international recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies

All the laboratories at the Amrita School of Medicine are financed and established by the School itself. The list of laboratories is given below.

Research & routine investigative Laboratories
Clinical Biochemistry
Clinical Pathology
Cytopathology
Histopathology
Haematology
Microbiology
Serology
Cytogenetics
Molecular Biology
Radioimmunoassay
Analytical Toxicology
Transfusion Medicine
Metabolic Laboratory
Nanomedical Research (Central Research Lab)

22. Publications: More than 700 national and international publications including

Books and Chapters since 2008 till date (detailed list sent separately).

- * Number of papers published in peer reviewed journals (national / international)
- * Monographs
- * Chapters in Books
- * Edited Books
- * Books with ISBN with details of publishers
- * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- * Citation Index – range / average
- * SNIP
- * SJR
- * Impact Factor – range / average
- * h-index

23. Details of patents and income generated

S. No.	Title of the Patent / Invention	Name(s) of the staff	Month and Year of Patent Registration / Invention	Patent / Invention Details	Income generated
1.	The art, manner and process of preparation of chitosan sponge containing the herb coleus plectranthus as wound dressing	Dr.Lakshmi R Lakshman, Dept of Obst & Gynae	Feb.2011	Patent application no 3012/che/2010A	

PATENT, the art, manner and process of preparation of chitosan sponge containing the herb coleus plectranthus as wound dressing publication date 11-02-2011 patent application no 3012/che/2010A

24. Areas of consultancy and income generated : NIL

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Note: Provide tabular data, with faculty name, designation, name of outside institution, dates, theme of visit, and outcomes

NIL

26. Faculty serving in

y) National committees b) International committees c) Editorial Boards d) any other (please specify)

Dr. V.A. Narayanan (Gastroenterology) Member, Governing Board, American Gastroenterological Association.

Dr. Subramania Iyer (Head & Neck/Plastic Surgery) : (i) Co- Chairman, Scientific Committee, First Euro Asian Head and Neck cancer congress at Belarus (ii) Distinguished Overseas visitor, Royal Australian College of Surgeon (second Indian) (iii) External Examiner, Fellowship, Academy of Medicine Singapore (FAMS) Exit Examination in Plastic Surgery (iv) President, Eurasian Head and Neck Society (v) Member, Governing Body, Eurasian Federation of Oncology. (vi) Chairperson, EAFO Global Cancer Summit in Moscow and Head and Neck cancer surgery workshop in Tomsk, Siberia

Dr. Vinayan K.P. (Neurology) : (i) India Representative, WHO-ILAE workshop, Budapest, Hungary (ii) Member, International Task Force for Development of Diagnostic and Management Guidelines for Epilepsies in Children by the International League Against Epilepsy(ILAE); (iii)

Representative for the Asia - Oceania region in this body (iv) External Examiner, University of Cape Town, South Africa for the Ph.D/ M.Phil projects in Pediatric Neurology (v) Editor "Epilepsy India", Journal of Indian Epilepsy Society.

Dr. Sanjeev K. Singh (Medical Superintendent) : Ambassador for Society of Healthcare Epidemiology of America (SHEA) from India.

Dr. V.N. Unni (Nephrology) Key Opinion Leader for Kidney Transplantation in India by the International Transplantation Society.

Dr. R.V. Jayakumar (Endocrinology) : Member, Executive Council - Asia Oceanic Thyroid Association (AOTA).

Dr. Arun Bal (Endocrinology & Podiatry) : Former Chairman, Medical Ethical Advisory Committee of MCI.

Dr. V.V. Pillay (Forensic Medicine and Toxicology) :
(i) International expert : WHO (Geneva) & reviewer for a monograph on blood lead analysis (ii) Asia Representative, American College of Medical Toxicology (ACMT) for 2011. (iii) Member, Expert Committee, Directorate of Forensic Sciences, Ministry of Home affairs, Govt. of India 2011.

Dr. K.N. Panicker (Community Medicine) : Member, Study Group on “status of mosquito menace - remedies and ameliorative measures and to prepare an action plan for controlling .

Dr. Meenakshi Dhar (Ophthalmology) : Member, Ethics Committee of Ophthalmic Society of India.

Dr. Unnikrishnan K. Menon (ENT) : Associate Editor, International Journal of Phonosurgery & Laryngology.

Dr. Dinesh N. (Psychiatry) : Past President, Indian Medical Association, Cochin.

Dr. Gopal S. Pillai (Ophthalmology) : Editor, Kerala Journal of Ophthalmology 2012-13

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions**

S. No.	School Name	Department Name	Programme Name	Dates: (DD/MM/YY to DD/MM/YY)	# Attendees*	Location / Venue
.					*	

1	Amrita School of Medicine	Medical HR	Orientation programmes		384	AIMS
2		Various	Conferences/ workshops etc.		94	
3		Various	Grand Rounds		All clinical faculty	AIMS
4.		Various	Clinical Presentations	Tuesdays	All faculty	AIMS

****Attach separate list of faculty names, designations, and department/school names.**

Participation of Amrita Faculty in Faculty Development Programmes conducted by Other Institutions

S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants***
1.	Various Hospitals at Kochi.	Kochi	Cochin Clinical Society meetings	Monthly	Around 5 per session

*****Attach separate list of faculty names, designations, and department/school names.**

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects :
UG (3%); PG (100%)excluding M.Sc./MHA etc.
- percentage of students doing projects in collaboration with other universities / industry / institute : Nil

29. Awards / recognitions received at the national and international level by

- Faculty :

Dr.V.A.Narayanan, Professor of Gastroenterology : Member, Governing Board, American Gastroenterological Association.

Dr Subramania Iyer, Professor of Plastic & Reconstructive Surgery/Head & Neck Surgery :

(i) External Examiner for Fellowship of Academy of Medicine Singapore (FAMS) (ii)President of the Eurasian Head and Neck Society

Dr George Paul, Assoc Professor of Geriatrics : (i)Conferred FRCP, Glasgow (ii) panel of examiners for MRCP General Medicine.

Dr. Vinayan KP, Professor of Neurology : (i) Member (Asia Oceania Region), International Task Force for Development of Diagnostic and Management Guidelines for Epilepsies in Children by ILAE. (iii) External Examiner, University of Cape Town, South Africa for the Ph.D/ M.Phil (iv) Editor "Epilepsy India", the official Journal of Indian Epilepsy Society.

Dr. V. Balakrishnan, Professor of Gastroenterology : "Life time Achievement Award" by the Indian Society of Gastroenterology.

Dr. K.K. Haridas, (late) Professor and Head, Dept. of Cardiology, nominated for Fellowship of the Royal College of Physicians of Ireland.

Dr. Sanjeev K. Singh, Medical Superintendent (i) Ambassador, Society of Healthcare Epidemiology of America (SHEA) from India. (ii) member , technical committee NABH

Dr. V.N. Unni, Professor of Nephrology : Key Opinion Leader for Kidney Transplantation in India by the International Transplantation Society.

Dr. Arun Bal, Professor of Podiatric Surgery : Chairman, Medical Ethical Advisory Committee of MCI."

Dr. V.V. Pillay. Professor Professor of Forensic Medicine and Chief, Analytical Toxicology : (i) International expert : World Health Organization (Geneva) (ii) Representative, American College of Medical Toxicology (ACMT) (ii) member , Expert Committee Directorate of Forensic Sciences, Ministry of Home affairs, Govt. of India, for drafting a bill for enactment in Parliament, on " Forensic Science Services 2011".

Dr. K.N. Panicker, Professor of Community Medicine : Member, study group for the status of mosquito menace and find out the remedies and suggest ameliorative measures and to prepare an action plan for controlling mosquito population.

Dr. Krishnakumar T., Assoc. Professor of Head and Neck Surgery : Fellowship of American Head and Neck Society recently.

Dr. Bhaskaran K. Pillai, Professor & Radiation Safety Officer : "Distinguished Medical Physicist Award" by Indo - American Society of Medical Physicists (IASMP), USA,

Dr. V. Narayanan Unni, Professor & Head, Department of Nephrology : Awarded Fellowship of the Royal College of Physicians (FRCP).

Dr. Balu Vaidyanathan, Professor, Department of Pediatric Cardiology. Received Fellowship of the American College of Cardiology.

Dr. Krishnakumar R., Assistant Professor, Spine division, Dept of Orthopaedics : Fellowship, Scoliosis Research society, USA

Dr. Meenakshi Dhar, Professor of Ophthalmology : Member Ethics Committee of Ophthalmic Society of India.

Dr. Unnikrishnan K. Menon, Associate Prof of ENT : Associate Editor, International Journal of Phonosurgery & Laryngology.

Dr..V..Rajesh, Assoc. Prof. of Pulmonary medicine : Young Pulmonologist Award of 2013 : Academy of Pulmonary And Critical Care Medicine (APCCM).

Dr..Gopal S Pillai, Assoc Prof Ophthalmology : Editor, Kerala Journal of Ophthalmology 2012-13

Students :

1. Five MBBS students awarded Short Term Studentship (STS) Fellowship by the ICMR.
2. Attended the HELP-2009 Programme at The Johns Hopkins University Bloomberg School of Public Health at Geneva.
3. 40 MBBS students from the School selected for PG admission in the 2010 PG Entrance Examination conducted by various Institutions.
4. Won first place in the Weight Lifting Championship (105 kg) and Second place in the Power Lifting Championship (110 kg) during the Inter Campus Tournament - 2010.
6. Four MBBS Interns participated at the “Compos Mentis 2010” – a National Level Forensic Quiz competition.
7. Two research papers authored by an MBBS student (2007 batch) selected for publication in the International Journal of Medical Student Research.
8. AV Gandhi award for “Best Thesis in the field of Endocrinology in India.
9. Passed the Specialty Certificate Examination - Rheumatology conducted by Royal College of Physicians , UK and British Society of Rheumatology.
10. Twelve poster presentation awards
11. Thirteen Paper presentation awards
12. Seven prizes in Quiz competitions
13. Two painting competition prize

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

CMEs	: 22
training programmes	: 21
conferences	: 09
workshops including live surgery	: 24
seminars/symposiums	: 07
public awareness programmes	: 05
quiz programmes	: 04
interactive sessions	: 03
exhibitions	: 05
Public get togethers	: 02

31. Code of ethics for research followed by the departments

Research Advisory Committee,
Institutional Ethics Committee
Scientific Committee

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	8013	228		60%	
PG	784	162		50%	

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UG (NA)				
PG	5%	10%	85%	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

For students with admission status active during the report period:

S. No.	School Name	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SLET qualified	# qualified in other exams
1	School of Medicine	MBBS	All India Medical Entrance exam by State/ Central Govt	NA	NA	NA	NA	45 to 50

35. Student progression

Student progression	Percentage against enrolled
UG to PG	10%
PG to M.Phil.	01%
PG to Ph.D.	01%
Ph.D. to Post-Doctoral	-
Employed • Campus selection • Other than campus recruitment	All employed other than campus recruitment
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	8%
from other universities within the State	71.7
from universities from other States	19.3%
from universities outside the country	1%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

S. No.	Name of faculty	Name of Advanced Degree (include specialization)	Month & Year of Passing
1.	Dr.Sanjeev K Singh	Ph.D.(Hosp Admn)	2013
2.	Dr.Usha Menon	Ph.D. (Medicine)	2012
3	Vinya U	M.Phil (Hospital Admn)	2013
4	Akhila Jensia	-do-	2013
5	Sreeshma M.S.	-do-	2013

38. Present details of departmental infrastructural facilities with regard to

- Library : In addition to the Central Library and a Mini Library in the Girl's Hostel, all the Departments have its own library inside the seminar room.
- Internet facilities for staff and students : Internet and email facilities are provided to all the faculty ; email facility is provided to all the requested staff and internet to selected staff only. For students, such facilities are provided in the Central Library only.
- Total number of class rooms : 5 central lecture halls; Seminar Room and demonstration are available in each department.
- Class rooms with ICT facility : ICT facility is provided in the seminar room
- Students' laboratories : All the departments have its own laboratory (wherever applicable) for teaching, research and patient care activities.
- Research laboratories : One Central Research Lab and research room in all the Departments.

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

b) from other institutions/universities

S. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/ University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	Dr. Sanjeev K Singh	MBBS, DCH, M.Phil (Hosp. Admn)	BITS, Bilani	Amrita vishwa Vidyapeeth am	Dr.Prem Nair, Medical Director, AIMS	Impact of infection control practice in a select surgical service of a resource limited setting in a tertiary care hospital
2.	Dr.Usha Menon	MRCP	Royal College of Edinburg, UK	Amrita Vishwa Vidyapeeth am	Dr.R.V. Jayakumar, Prof. & Head, Endocrinology	Spectrum of Thyroid disorders, Iodine status and Diabetes Mellitus in Adult Kerala Population – Community status.

40. Number of post graduate students getting financial assistance from the university.

S.No.	Name of student	Programme	Year of Enrollment	Scholarship Amount
1	3 MD/MS students	MD/MS	2013	48 lakhs
2.	3 DM/M.Ch students	DM/M.Ch.	2013	

41. Was any need assessment exercise undertaken before the development of new programme (s)? If so, highlight the methodology.

The Department who wish to conduct a particular program first discuss in their faculty meeting and if approved, prepare a draft proposal along with curriculum and the teaching and learning facilities available in the department for conducting that particular course. The proposal is forwarded to the

Principal with a request to put up to the School level committee for approval. After approval, the proposal is sent to the University to put up to the Academic Committee of the University for consideration and approval. The Academic Committee discuss the proposal in detail and if approved the school is permitted to conduct the program with the approval of the concerned statutory body.

42. Does the department obtain feedback from
- ll. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes; put up to the curriculum committee and also HOD meetings.
 - mm. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes;
 - nn.alumni and employers on the programmes offered and how does the department utilize the feedback?

43. List the distinguished alumni of the department (maximum 10)

“Amritians” Alumni association of Amrita School of Medicine. The first batch of undergraduate students (MBBS) passed out in 2007. Postgraduate courses started in 2008 and hence, all are in the entry level of their career.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S. No.	Name of Expert Resource	Topic	Date	Number of participants
1.	Swamy Poornamritanandapuri	Meditation & stress management	Immediately after joining of students	100 each
2.	Dr.Ramachandran CK	Alternate Medicine	Occasionally	300
3.	Dr.M.S.Gopalakrishnan	Science & religion	Occasionally	300
4.	Dr.M.S.Valiathan	Science & spirituality	Occasionally	250
5.	Prof.Raman	Indian scriptures	Occasionally	300
6.	Dr.Vijay Menon	Management & human values	Occasionally	750

45. List the teaching methods adopted by the faculty for different programmes.

Non-clinical : Lectures, practicals, class tests, seminars, conferences, journal club, guest lectures, video films etc.

Clinical : All above plus OPD patient care activities, bed side teaching in the ward, Operation Theatres, ICUs etc. and Grand Rounds, Clinical conferences

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Review of curriculum

Review of teaching and learning activities and infrastructure development

Providing state of the art facilities for teaching and learning

Timely conduct of class tests and declaration of results

47. Highlight the participation of students and faculty in extension activities.

As seen from the list of medical camps conducted in rural, urban and remote places, most of the Departments faculty and students are involved in these camp activities. Their contribution in conducting emergency medical camps during national calamities like earth quake, tsunami, etc. are praiseworthy.

48. Give details of “beyond syllabus scholarly activities” of the department.

Value education classes, special medical camps, yoga and meditation sessions, quiz programmes, debates, Green Friends, Science Club, Student Teacher Forum & social service.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Except very few, most of the programmes are interdisciplinary involving various departments. Therefore, a combined effort is needed for getting the School level accreditations like NABL, NABH and ISO which are national accreditations for which all the departmental activities are inspected by the Agencies. Overall contributions of the Departments is evident from the list of awards, achievements of the faculty and special recognition and mention of various departments. To name few :

- (i) “Best Radiology Department in Kerala 2008” by Indian Society of Radiology Technologist, Kerala Chapter
- (ii) Endocrinology & Diabetes Department voted among the top 10 departments in India in a recent survey published in THE WEEK magazine.
- (iii) Head & neck surgery & Plastic surgery : instrumental in starting micro vascular surgical work in countries like Kazakhstan, Brunei, and some of the teaching centers in Malaysia and Russia.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

During the last five years, there was a tremendous increase in the number of new programmes conducted by all the departments. The contribution of the departments in preparing the curriculum, getting the approval from the concerned authorities of the School and University, arranging and implementing the teaching and training activities of all these students, are praiseworthy. The teachers were always ready for taking up additional responsibilities in terms of teaching, training and overall development of the

students. All the Departments have nominated senior faculty members as “Acharyas” who provide all moral support for the students in their distress situations, both in personal and academic matters.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength:

- Senior and highly qualified and experienced faculty including some with FRCS
- State of the art equipments for investigations, diagnosis & treatment and the expertise available. The service of the hospital and College are accredited by NABH, NABL and ISO 9001-2008.
- The health care campus spanning over 100 acres of land comprising School of Medicine, School of Dentistry, School of Pharmacy, College of Nursing and all other facilities within the campus like hostels, Post Office, Bank, ATM counters, Railway Ticket Issue Counter, Day Care facility for staff's children, Akshaya Centre, Police Outpost, canteens for students, faculty, staff and visitors, guest houses for visitors and patient bystanders, Students Store, ayurvedic and allopathy medical stores, optical store, book stall, Stationary/Fruit/juice stalls etc. provide much relief to the stake holders and this is one of the major strength of the institution.
- The telemedicine service at AIMS is the first in Kerala with the help of ISRO and is presently connected to 60 major hospitals in India and 9 international centres. With this facility, the institute is a major centre in providing medical consultation to the doctors in the hospitals in remote corners of India like Lakshadweep, Leh etc., educate the doctors in remote primary centres with regard to the latest medical advancements through seminars, workshops and teaching programmes. This is also one of the five centres selected by the Ministry of External Affairs, Govt of India for providing telemedicine and CME services to 53 centres in African subcontinent. These hospitals in Africa would also be linked to one remote hospital (patient end locations) in each of the 53 countries to extend health care services to rural Africa. This is one of the major strength of the institution in providing tele-consultations, tele-health programmes, CMEs, tele-surgery and distant medical education programmes all over the world.
- Through “Amalabharatham” cleanliness drive programme at various public places including Institute campus by students and staff; Green Movement – tree plantation drive, blood donors forum, value based education, Yoga & meditation classes, participation in innumerable medical camps conducted at urban, rural and remote areas, the students, staff and faculty get ample opportunity to know the values and a sense of responsibility towards the mankind and nature.

Weaknesses:

In consonance with the ever increasing growth of the institution in terms of faculty, staff, postgraduate and paramedical students, and stake holders like parents, patients, bystanders, and the general public, the vehicular movement in the campus has increased manifold. Providing parking space for these vehicles is a major problem. To overcome this issue, discussions are in progress including construction of multi-level parking facility.

Opportunities:

- Nearby the Institution's vicinity, many developmental activities are in progress.

To name few, the mass transport system – Kochi Metro Rail Project – expected to complete within 3 years; the nearest Railway Station – Edappally – upgradation; a railway over-bridge directly connecting Ponekkara area to the City expected to start very soon; various surface transport/road development projects etc. These shall no doubt increase visibility and accessibility of the school.

- Huge opportunity to attract foreign students. Every year, around 50 international medical students from various universities in the world such as University College London Medical School, MEI University School of Medicine Japan, University of Cologne, Pavol Jozef Safarik University in Kosice Slovak Repub, Medical School of Univ Autonoma de Barcelona, University of Oxford UK, RUHR Univ Bochum Germany, University of Bonn Germany, Univ of Nottingham UK, Des Moines University Iowa, New York University School of Medicine etc., visit the campus for short term training and more and more requests are pouring in. Our undergraduate and postgraduate students have got ample opportunity to mingle and interact with these foreign students and understand the global changes and development in the field of medical education, research, and culture and values of various countries in the world.

Challenges:

As a fully self financed private sector institution without any financial support from the Government or otherwise, financial management for developmental activities and providing advanced state of the art infrastructural facilities with minimum burden on the stakeholders is a major challenge.

52. Future plans of the department.

- (i) Seat increase in MBBS course from 100 to 150 and construction of additional infrastructure for the same
- (ii) Commencing more B.Sc. Programmes in allied health sciences
- (iii) Commencing M.Phil course in Clinical Psychology.
- (iv) Commencing MD programme in Pharmacology
- (v) Commence M.Ch. programme in Surgical Oncology
- (vi) Grant of recognition status from the Paramedical Council of Kerala for the allied health science programmes conducted by the School.
- (vii) Starting of MASLP course (Master of Audiology & Speech Language Pathology)
- (viii) Increase the number of inpatient beds
- (ix) Preparation for grant of MCI recognition and re-recognition status for the PG courses
- (x) Creating a “Centre for Allied Health Sciences” to further streamline the administrative and academic matters of paramedical programmes (M.Sc. & B.Sc.)

Amrita School of Pharmacy – Kochi

Evaluative Report of the Department

1. Name of the Department : **Amrita School of Pharmacy**
2. Year of establishment : **1997**
3. Is the Department part of a School/Faculty of the university? If so, specify.
Yes, It is part of the University.
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Programme Name	Programme Duration	Student Intake	Start Date
	UG Level			
1	B.Pharm	8 Semesters	60 Nos.	2005
	PG Level			
2	Pharm.D(Regular)	6 Yrs	30 Nos.	2010
3	Pharm.D(PB)	3 Yrs	10 Nos	2010
4	M.Pharm Pharmacy Practice	2 Yrs	10 Nos	2008
5	M.Pharm Pharmaceutics	2 Yrs	10 Nos	2009
6	M.Pharm Pharmaceutical Chemistry	2 Yrs	10 Nos	2009

5. Interdisciplinary programmes and departments involved : **NIL**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : **NIL**
7. Details of programmes discontinued, if any, with reasons : **NIL**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
B.Pharm follows semester system from the year 2010 onwards.
Pharm.D(Regular), Pharm.D(PB), M.Pharm Pharmaceutics, M.Pharm Pharmacy Practice, M.Pharm Pharmaceutical Chemistry follow semester system from the academic year 2013 onwards.
9. Participation of the department in the courses offered by other departments: **NIL**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Actual
Professor	1	1
Associate Professors	1	1
Asst. Professors	8	8
Others (Lecturers)	22	22

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Dr. Sabitha M.	M.Pharm, Ph.D	Principal	Pharmaceutics	13 Yrs	
Mr.Anoop K. R	M.Pharm	Asst. Professor	Pharmaceutics	12 Yrs	
Ms.Vidya Viswanad	M.Pharm	Asst. Professor	Pharmaceutics	9 Yrs	
Ms. Swathi Gupta	M.Pharm	Lecturer	Pharmaceutics	2 Yrs	
Ms. Sreeja C Nair	M.Pharm	Lecturer	Pharmaceutics	4.5 Yrs	
Ms. Shan .M.	M.Pharm	Lecturer	Pharmaceutics	3.5 Yrs	
Mr. Emmanuel James	M.Pharm	Asst. Professor	Pharmacy Practice	33 Yrs	
Mr.Siby Joseph	M.Pharm	Sr. Lecturer	Pharmacy Practice	15 Yrs	
Ms.Suja Abraham	M.Pharm	Sr. Lecturer	Pharmacy Practice	6 Yrs	
Ms.Roshni P R	M.Pharm	Sr. Lecturer	Pharmacy Practice	12 Yrs	
Ms.Remya Reghu	M.Pharm	Lecturer	Pharmacy Practice	3 Yrs	
Ms.Meenu Vijayan	M.Pharm	Lecturer	Pharmacy Practice	2 Yrs	
Mr. Naveen Kumar Panicker	M.Pharm	Lecturer	Pharmacy Practice	16 Yrs	
Ms. Lakshmi R	M.Pharm	Lecturer	Pharmacy Practice	1 Yr	
Dr.B. Ranganathan	M.Pharm	Assoc. Professor	Pharmaceutical Chemistry	4 Yrs	
Ms.Subin Mary Zachariah	M.Pharm	Asst. Professor	Pharmaceutical Chemistry	10 Yrs	
Ms.Leena .K. Pappachen	M.Pharm	Asst. Professor	Pharmaceutical Chemistry	11 Yrs	
Mr. Sathianarayanan. S	M.Pharm	Sr. Lecturer	Pharmaceutical Chemistry	7 Yrs	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Mr.Aneesh T P	M.Pharm	Sr. Lecturer	Pharmaceutical Chemistry	7.7Yrs	
Mr. Rahul R.	M.Pharm	Lecturer	Pharmaceutical Chemistry	2 Yrs	
Dr. P. Umadevi	M.Pharm	Asst. professor	Pharmacology	5 Yrs	
Mr.Jipnomon Joseph	M.Pharm	Asst. professor	Pharmacology	7 Yrs	
Mr.Anilkumar. B	M.Pharm	Asst. professor	Pharmacology	9.6 Yrs	
Mr. S.K. Kanthlal	M.Pharm	Lecturer	Pharmacology	6 months	
Ms.Alexeyena Varghese	M.Pharm	Sr. Lecturer	Pharmacognosy	6 Yrs	
Mr. R.Aravind	M.Pharm	Lecturer	Pharmacognosy	3.7 Yrs	
Ms. Lalithamma.B	M.Pharm	Lecturer	Pharmacognosy	25 Yrs	
Ms. Indukala P Chandran	M.Pharm	Sr. lecturer	Computer Science	7.5 Yrs	
Ms. Saranya T.S.	M.Pharm	Lecturer	Pharmaceutical Chemistry	1.5 Yrs	
Ms. Asha Asokan Manakadan	M.Pharm	Lecturer	Pharmaceutical Chemistry	8 months	
Ms. Jiji K.N.	M.Pharm	Lecturer	Pharmacology	3 months	
Ms. Saritha A Surendran	M.Pharm	Lecturer	Pharmaceutics	1 Yr	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

SL No.	Name of Faculty	Subject taught
1	Mr. Krishna Iyer	Remedial Maths
2	Mr. Hariharan	Value Based Education

13. Percentage of classes taken by temporary faculty – programme-wise information

B.Pharm : 25 Hours

Pharm.D : 25 Hours

14. Programme-wise Student Teacher Ratio

B.Pharm : 15:1

M.Pharm:12:1

Pharm.D(Regular):7:1

Pharm.D(PB):

15. Number of academic support staff (technical) and administrative staff: sanctioned, and actual

Designation	Sanctioned	Actual
Technical Staff	11	11
Administrative Staff	7	7
Library Staff	4	4
Cleaning Personnel	3	3

16. Research thrust areas as recognized by major funding agencies

- High throughput screening
- Molecular drug designing
- Drug Synthesis
- Phytochemical and Pharmacological evaluation
- Preparation of Neutraceuticals
- Novel Drug delivery system for sustained / controlled release
- Bioavailability / Stability improvement
- Pharmacokinetic profiling

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project*
1.	High throughput screening of biological activity of extracts from deep sea marine organisms funded under MLR technology development (MLR-TD), Marine living resources program (MLRP) during 12 th plan period by Ministry of Earth Sciences. Cost	Mr.S. Sathianarayanan	Pharmaceutical Chemistry	MoES/ CMLRE	2012-2017

	of the project- 75.60 lakhs.				
2.	A pilot study on development of a Nutraceutical Preparation using Nut water. by during the period Cost of the project- 14 lakhs.	Dr. Sabitha .M	Pharmaceutics	Coconut Development Board	2011-2013.
3	Studies on structural modifications of antimicrobial chitosan (Rs. 10,000)	Mrs. Kalpana P. Rahate	Pharmaceutical Chemistry	Kerala State Science, Technology and Environment	July 2012 to June 2013).
4	Synthesis and preliminary evaluation of ring-A monosubstituted chalcones as potential anti-inflammatory agents (Rs. 10,000/-)	Dr. B. Ranganathan	Pharmaceutical Chemistry	Kerala State Council for science, Technology and Environment	July 2012 to june 2013
5	Thermoreversible polymer based in situ implant as controlled drug release platform for paclitaxel drug delivery-boon towards localized solid tumor mass. (Rs. 15,000)	Anoop K R	Pharmaceutics	Kerala State Science, Technology and Environment	2012-2013
6	Formulation And Evaluation of Metformine loaded	Vidya Viswanad	Pharmaceutics	Kerala State Science, Technology and Environment	2012-2013

	resealed Erythrocytes (Rs. 10,000/-)				
7	Formulation And Evaluation of Cephalexin Nanosponge loaded Hydrogel for diabetic foot ulcer. (Rs. 15000/-)	Vidya Viswanad	Pharmaceutics	Kerala State Science, Technology and Environment	
8	Insilico Design, Synthesis, and Invitro studies of some novel 4H Chromene derivatives as Anticancer and Anti inflammatory agents (Rs. 15,000/-)	Subin Mary Zachariah	Pharmaceutical Chemistry	Kerala State Science, Technology and Environment	2012-2013
9	Development and evaluation of sustained Ocular In-situ Gelling systems of Gentamicin and Dexamethasone for Conjunctivitis (Rs. 15,000/-)	Anilkumar .B.	Pharmacology	Kerala State Science, Technology and Environment	2012-2013
10	Formulation and in vitro evaluation of Ciclopiroxolamine loaded emulsion based gel for cutaneous candidiasis (Rs. 15,000/-)	Dr. Sabitha M	Pharmaceutics	Kerala State Science, Technology and Environment	2012-2013
11	Liquisolid technique for enhanced	Dr. Sabitha M	Pharmaceutics	Kerala State Science, Technology	2012-2013

	bioavailability of curcumin and effective mouth to colon release profile.(Rs. 15,000 /-)			and Environment	
12	Design, Synthesis & Biological evaluation of Antiproliferative cancer agents.-	Harikrishnan K.V.	Pharmaceutical Chemistry	S. Sathianayyan	June 2013
13	Studies on the constituents isolated from the shizoin of Nervilia aragoana GAUD-	Elezabeth Thomas	Pharmaceutical Chemistry	Aneesh TP	June 2013

18. Inter-institutional collaborative projects and associated grants received :

m) National collaboration b) International collaboration

NIL

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : **NIL**

20. Research facility / centre with

- state recognition
- national recognition
- international recognition

NIL

21. Special research laboratories sponsored by / created by industry or corporate bodies

NIL

22. Publications:

- * Number of papers published in peer reviewed journals (national / international) :
- * National Journal: **10**
- * International journal: **52**
- * Monographs : **NIL**
- * Chapters in Books: **Nil**
- * Edited Books :**NIL**
- * Books with ISBN with details of publishers :
- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

- * Citation Index – range / average :
- * SNIP
- * SJR
- * Impact Factor – range / average : **1 to 6**
- * h-index

BOOK PUBLISHED

Book titled “Marunnarivukal” written by Leena Thomas, Asst. professor, Department of Pharmaceutical Chemistry and published by Mathrubhumi publishers.

Year	Type of Publication	Publication Details	Average citation index and impact factor of publications
INTERNATIONAL JOURNAL			
PHARMACY PRACTICE			
	2012-13	1 Title of the Paper: Warfarin resistance-Mechanisms and management. Authors: R.Lakshmi, S.Anita, K.N.Anila, P.R.Roshni Name of the journal: International journal of pharmaceutical sciences and research Month and Year of Publication:2012 Volume No.3(2);, Page No: 353-357.	Elsevier indexed
		2 Title of the paper: Neonatal sepsis-Antibiotic sensistivity and resistance pattern of commonly isolated pathogens in a neonatal intensive care unit of a tertiary care hospital in south India Authors: N. K. Samia, J. Siby Name of the journal: International journal of pharma and bio sciences Month And Year of Publcation : Vol No. 2012;3(4): Page No. 802-809.	impact factor – 0.47
		3 Title of the paper: Appropriate use of Antibiotics for the management of sepsis in neonates. Authors: N. K. Samia, J. Siby Name of the journal: International journal of pharmaceutical sciences and	Elsevier indexed

			research, Month & Year of publication: 2012 Vol: 3(7):Page No. 1928-1934	
		4	Title of the journal: Study of the prescribing pattern of probiotics in pediatric patients of a tertiary care teaching hospital in south India. Authors: Susan Cherian, Siby Joseph Name of the Journal: International journal of pharmacy and pharmaceutical sciences Month And year of publication: 2012 Vol No. 4(1) Page No.505-508	1.1
		5	Title of the journal: Economic evaluation of end stage renal disease patients undergoing hemodialysis. Authors: A. Suja, R. Anju, V. Anju, J. Neethu , P. Peeyush, R. Saraswathy. Name of the journal: Journal of Pharmacy and Bioallied sciences Month And year of publication: 2012 Vol No. 4 (2): Page No.107-110	
		6	Title of the paper: Quality of life assessment of hemodialysis patients. Authors: A. Suja, V. Anju, R. Anju, M.C Praseetha, R. Saraswathy. Name of the journal: Saudi Journal of Kidney disease and transplantation. Month And year of publication: Sep-oct 2012.	
		7	Title of the paper : Antibiotic resistance a global Thread. Authors: J. Siby, S.M Sonal, N.K Meera Name of the journal: International journal of pharma research Month And year of publication: January-June 2012	
		8	Title of the paper: Study of prescription pattern and insulin treatment in type 2 diabetic patients. Authors: K.V. Harikrishnan, R Rajashree, T. Nancy, R. Remya. Name of the journal: International journal of pharmacy and pharmaceutical sciences Month and year of publication: 2012 Vol No. 4(2): , page No: 138-141	1.1

		9	Title of the Paper: Role of Omega -3 fatty acids in the treatment of cardiovascular disorders. Authors : K.V. Harikrishnan, R Rajashree, M.Mukesh, R. Remya.. Name of the journal: Journal of pharmacy research Month And year of publication: 2012 Vol No.: 5(11), Page No: 5140-5143.	
		10	Title of the Paper: Breast cancer risk factors preventable and non-preventable. Authors: R. Lakshmi, R. Athira, J. M. Teena, S. Vijayalakshmi. Name of the journal: International research journal of pharmacy. Month and Year of Publication: 2012 Volume No. 3(10) Page No.-1-5	Elsevier Indexed
	2013-14	11	Title of the paper: Procurement and distribution of medicines in government hospitals of Tamilnadu- An overview Authors: Remya Reghu, Meenu Vijayan, Roshni PR. Name of the journal : international journal of Research in Pharmaceutical Sciences Month and year of publication: April 2013 Vol No.: 4(1), , Page No: 96-100.	
		12	Title of the paper: A study on comorbidities associated with psoriasis Authors: Meenu Vijayan, Remya Reghu, Roshni PR Name of the journal: international Research Journal of Pharmacy Month and year of publication: March 2013, Vol No.: 4(2), Page No: 64-66	

		13	Title of the paper: Evaluation of patients with thyroid disorders Authors: Roshni PR, Rajan VK, Meenu Vijayan, Remya Reghu Name of the journal: International Journal of Research in Pharmacy and Chemistry Month and year of publication: April 2013 Vol No.: 3(2), Page No: 244 – 249.	

DEPARTMENT OF PHARMACEUTICS 2012-13				
		14	Title of the paper: Curcumin loaded chitin nanogels for skin cancer treatment via the transdermal route. Nanoscale. Authors: Dr.Sabitha M, Sanoj Rejinold N, Amrita Nair, Vinoth Kumar Lakshmanan, Shantikumar V Nair, Jayakumar R. <i>Month and year of publication: 2012</i> <i>Vol No.: 4 (1), Page No. 239 – 250</i>	(Impact Factor 5.914). (Pubmed indexed)
		15	Title of the paper: Synthesis, characterization and <i>in vitro</i> cytocompatibility studies of chitin nanogels for biomedical applications. Carbohydrate Polymer. Authors: Sanoj Rejinold N, Amrita Nair, Dr. Sabitha M, Chennazhi KP, Tamura H, Nair SV and Jayakumar R. <i>Month and year of publication: 2012</i> <i>Page No: 93, 936-942.</i>	(Impact factor: 3.628). (Pubmed indexed)
		16	Title of the paper: In vitro Anthelmintic Activity of Aerial Parts of <i>Mirabilis Jalapa</i> Linn. Authors: Subin Mary Zachariah, Aleykutty NA, Jayakar B, Vidya Viswanad, Rachana VG. Name of the journal: International Journal of Pharmaceutical Sciences and Research <i>Vol No: 12(1), Page No: 107-110 (2012).</i>	Impact Factor: 1.615. (Scopus indexed).
		17	Title of the paper: Etiopathogenesis of Chronic Inflammatory Periodontitis. Authors: Sreeja C Nair, Mable SJ, Anoop KR. Name of the journal: International journal of Pharmaceutical Sciences <i>Month and year of publication: 2012</i> <i>Vol No: 4(3),Page No: 43-49.</i>	Impact Factor: 1.1. (Elsevier and Scopus indexed).

		18	Title of the paper: Ethosomes for Transdermal and Topical Drug Delivery. Authors: Rakesh R, Anoop KR. Name of the journal: International journal of Pharmacy And Pharmaceutical Sciences. Month and year of publication: 2012 Vol No: 4(2), Page No: 17-24 (2012).	Impact Factor: 1.1. (Elsevier and Scopus indexed).
		19	Title of the paper: Monitoring the Safety Aspects of over the Counter Medication. Authors: Subin Mary Zachairah, Vidya Viswanad, Halima OA, Geethu G, Devika N. Name of the journal: International Research journal of Pharmacy, Month and year of publication: 2012 Vol No: 3(3),Page No: 109-111	(Elsevier and Scopus indexed).
		20	Title of the paper: Formulation and Optimization of Clotrimazole-Loaded Proniosomal Gel Using 3² Factorial Design. Authors: Litha Thomas, Vidya Viswanad. Name of the journal: Pharmaceutical Sciences Month and year of publication: 2012 Vol No: 80, Page No: 731–748	Impact Factor:0.82 . (Pubmed indexed).
		21	Title of the paper: An Overview on Hepatoprotective Activity of Natural Products. Authors: Subin Mary Zachariah, Aleykutty NA, Vidya Viswanad, Halima OA. Name of the journal: Res. J. Pharm. and Technology Month and year of publication: 2012 Vol No: 5 (3), Page No: 317-320	(Scopus Indexed)

	2013-14	22	Title of the paper: Development and evaluation of 5-Fluorouracil loaded chitin nanogels for treatment of skin cancer. Carbohydrate Polymer. Authors: Dr. Sabitha M, Sanoj Rejinold N, Amrita Nair, Vinoth Kumar Lakshmanan, Shantikumar V Nair, Jayakumar R. Month and Year of Publication 2013 Vol No: 91,Page No: 48-57	(Impact factor: 3.628). (Pubmed indexed).
		23	Title of the paper: Fluconazole Loaded Chitin Nanogels as a Topical Ocular Drug Delivery Agent for Corneal Fungal Infections. Authors: Nishil Mohammed,Sanoj Rejinold N, Dr. Sabitha M, Raja Biswas, Shantikumar V Nair, and Jayakumar R. Name of the journal: Journal of Biomed. Nanotechnology Month and year of publication: 2013	(Impact factor: 4.216). (Pubmed indexed)
		24	Title of the paper: Nanosponges: A Novel Approach Of Drug Delivery System Authors: Jilsha G, Vidya Viswanad* Name of the journal: International journal of Pharmaceutical Scieces Review And Research Month and year of publication: Mar – Apr 2013; Vol No: 19(2), Page No: 119-123.	
		25	Title of the paper: Erythrocytes As A Potential Carrier For Chronic Systemic Diseases. Authors: S. Aiswarya, T.P. Aneesh And Vidya Viswanad*. Name of the journal: International journal of	

			Pharmaceutical Sciences And Research Month and year of publication: 2013 Vol No: 4(8): page No: 2843-2848.	
		26	Title of the paper: Solubility Enhancement Methods - A Promising Technology For Poorly Water Soluble Drugs. Authors: Anjana. M. N, Jipnomon Joseph, Sreeja C Nair*. Name of the journal: International journal of Pharmaceutical Pharmaceutical Sciences nad Research Month and year of publication: May – Jun 2013 Vol No: 20(2), Page No: 127-134.	
		27	Title of the paper: an Updated Review Of Cyclodextrins – An Enabling Technology For Challenging Pharmaceutical Formulations. Authors: Anjana. M. N¹, Sreeja C Nair², Jipnomon Joseph*³ Name of the journal: International Journal Of Pharmacy And Pharmaceutical Sciences Month and year of publication: March 2013 Vol No: 5(3).	
		28	Title of the paper: Vesicular Systems In Treatment Of Rheumatoid Arthritisint. Authors: Sneha Letha S, Vidya Viswanad*. Name of the journal: Journal of Pharmaceutical Sciences And Reseqrch . Month and year of publication: Jul – Aug 2013 Vol No: 21(1), page No: 64-69.	

		29	Title of the paper: 1Thermoreversible Mucoadhesive Gel For Nasal Delivery Of Anti Hypertensive Drugint. Authors: Mable Sheeba John1, Sreeja C Nair1, Anoop K R* Name of the journal: Journal of Pharmaceutical Sciences Review And Research Month And year of Publication: Jul – Aug 2013; Vol No: 21(1), N° 11, Page No: 57-63	
		30	Authors: Leena Jacob And Anoop Kr* Title of the paper: A Review On Surfactants As Edge Activators In Ultradeformable Vesicles For Enhanced Skin Delivery. Name of the journal: International journal of Pharmaceutical Sciences Month And year of publication: July 2013 Vol No: 4(3): Page No: 337 – 344	
DEPARTMENT OF PHARMACEUTICAL CHEMISTRY 2012-13				
		31	Authors: Subin ,M.Z.; Dr.Aleykutty, N.A.; Vidya, V.; Halima ,O.A.; An Overview on Hepatoprotective Activity of Natural Product . <i>Name of the journal: Research journal of Pharmacy And Technology</i> <i>Month And year of publication: 2012,</i> <i>Vol No: 5(3) ,page No: 17-21.</i>	
		32	Title of the paper: Free Radical Scavenging activity of <i>Mirabilis jalapa</i> Linn using invitro models. Authors: Subin.M.Z.; Vidya, V.;Dr Aleykutty.N.A.; Jaykar.B.; Halima,O.A. Name of the journal: <i>Asian.Journ. Pharm. Clin. Res,</i> Month and year of publication: 2012 , Vol No: 5(3), Page No: 115-119.	

		33	Title of the paper: Invitro anthelmintic activity of the methanolic extracts of aerial parts of <i>Mirabilis jalapa</i> Linn Authors: Subin ,M.Z.; Dr Aleykutty,N.A.; Dr Jayakar.B.; Vidya ,V.;Rachana ,V.G. Name of the journal: International Journal of Pharmaceutical Sciences Review And Research IJPSRR, Month and year of publication: 2012, Vol No 12(1), Page No: 107-110.	
		34	Title of the paper: GC-MS, HPLC AND AAS Analysis of Fatty Acids, Amino Acids and Minerals in Red Algae <i>Ampheroa anceps</i>. Authors: Jayasree, N.B.; Aneesh, T.P. Name of the journal: International Journal of Pharmacy and pharmaceutical Sciences. Month And year of publication: 2012, Vol No: 4(2), Page No: 187-190.	(Impact factor 1.1).
		35	Title of the paper: Development and Validation of UV Spectrophotometric method for the estimation of Asenapine maleate in bulk and pharmaceutical formulation. Authors: Halima, O.A.; Aneesh, T.P.; Reshma, G.; Nathasha, R.T. Name of the journal: Deccan Pharma Chemica. Month and year of publication: 2012, Vol No: 4 (2), Page No: 644-649.	
		36	Title of the paper: Method Development and Validation for the Estimation of Flupirtine Maleate in Bulk and Pharmaceutical Dosage Forms Using UV-VIS Spectrophotometry. Authors: Amal, D.; Aneesh, T.P. Name of the journal: International Research Journal of Pharmacy. Month and year of publication: 2012, Vol No: 2(12), Page No: 179-182.	(Scopus, Elsevier indexed)
		37	Title of the paper: Status of organic chemistry in pharmacy education. Authors: Balasubramanian, R. Name of the journal: <i>Int. J. Bioassays</i> Month and year of publication: 2012, Vol No: 1(11), Page No: 141-143.	

		38	Title of the paper: Phytochemical screening and anthelmintic activity of methanolic extract of <i>Imperata cylindrica</i>; Authors: Parvathy NG, Padma R, Renjith V, Kalpana PR, Saranya TS; Name of the journal: <i>Int J Pharm Pharm Sci.</i>, Month and year of publication: 2012, Vol 4, Suppl 1:Page No: 232-234	
		39	Title of the paper: Evaluation of antioxidant and total flavanoid content of <i>Mirabilis jalapa</i> using invitromodels. Authors: Subin , M.Z.;Dr. Aleykutty,N.A.; Vidya ,V.; Halima ,O.A.; Name of the journal: International Research journal of Pharmacy Month and year of publication: ,2012, Vol No: (3), page No:187-191.	
		40	Title of the paper: Development and evaluation of antimicrobial herbal formulations containing the methanolic extract of <i>Samadera indica</i> using invitromodels. Authors: Vidya ,V.; Aleykutty,N.A.; B.Jayakar.; Subin, M.Z.; Litha.Thomas Name of the journal: <i>Journal of Adv.Pharmaceutical Technology And Research</i> Month and year of publication: 2012, Vol No: 3 (2), Page No: 106-111.	
		41	Title of the paper: Monitoring the safety aspects of Over the counter Medications. Authors: Subin M.Z.; Vidya,V. Halima, O.A.;Geethu,,G.; N.Devika. Name of the journal: International journal of Research journal Pharmacy Month and year of publication: 2012, Vol No: 3(3), Page No: 109-111.	
		42	Title of the project: In vitro pharmacological activity of the whole plant <i>Naregamia alata</i>. Authors: Sonu Jacob; Anil John J; Leena Thomas; Sabulal B. Name of the journal: Asian Journal of Research in Chemistry, Month and yeart of publication: 2012 Vol No: 5(2), Page No:”265-269.	

		43	Title of the paper: Isolation and Evaluation of Antimicrobial Properties of Isolated Phytoconstituents of Fruits of <i>Helicteres isora</i> Linn. Authors: K Leena Pappachen ; Elsa Varghese; S Sathia Narayanan. Name of the journal: <i>Research Journal of Pharmaceutical, Biological and Chemical Sciences</i> Month and year of publication: 2012, Vol No: 3(3),Page No: 959-964.	
		44	Title of the project: Quantitative estimation of tannins, phenols and antioxidant activity of methanolic extract of <i>Imperata cylindrica</i>. Authors: Padma R., Parvathy N.G., Renjith V., Kalpana P. R. Name of the journal: <i>International journal of Research in Pharmaceutical Sciences</i> Month and year of publication: 2012 Vol No: 4(1), Page No: 73-77.	
	2013-14	45	Title of the paper: Phytochemical and Pharmacological Evaluation of <i>Caesalpinia pulcherrima</i> -An Overview. Authors: Anju V , Subin Mary Zachariah. Name of the journal: International Journal of Pharmaceutical Research Month and year of publication: January-March 2013, Vol No: 5(1).	
		46	Title of the paper: Pharmacological Activities Of Chromene Derivatives: An Overview Authors: Nancy Thomas And Subin Mary Zachariah. Name of the journal: Asian Journal Of Pharmaceutical And Clinical Research Month and year of publication: 2013 Vol 6, Suppl 2, 2013.	

		47	Title of the paper: <i>Nervilia Aragoana</i> Gaud, A Terrestrial Orchid Name of the journal: Indo-Global Research Journal Of Pharmaceutical Sciences. Authors: Elizabeth Thomas¹, Aneesh T. P¹, Della Grace Thomas² Month and year of publication: July-Sept 2013, Vol. 3(3)	
		48	Title of the paper: Gc-Ms Analysis Of Phytochemical Compounds Present In The Rhizomes Of <i>Nervilia Aragoana</i> Gaud, Authors: Elizabeth Thomas¹, Aneesh T. P^{1*}, Della Grace Thomas², R. Anandan³. Name of the journal: Asian Journal Of Pharmaceutical And Clinical Research. Month and year of publication: 2013 Vol No: 6(3)	
		49	Authors: Leena Jacob And Anoop Kr* Title of the paper: A Review On Surfactants As Edge Activators In Ultradeformable Vesicles For Enhanced Skin Delivery. Name of the journal: International journal of Pharmacy and Biological Sciences Month and Year of publication: July 2013 Vol No: 4(3), page No: 337 – 344	
DEPARTMENT OF PHARMACOLOGY 2013-14		50	Authors: Jyothilakshmi*, B. Anil Kumar, Swati Gupta. Title of the paper: Investigation of Microemulsion As A Potential Carrier for Advanced Transdermal Delivery-“An overview”. Name of the journal: International journal of Pharmaceutical Sciences And Review And Research Month and year of publication: May-jun 2013 Vol No: 20(2), n*09, Page No: 51-59	

	51	Authors: Muneerudeen, Himanshu Joshi, Gururaj M P, Deviswapna P V, Lekshmi P, Jipnomon Joseph. Title of the paper: Anti cancer potential of Bambusa Bambos leaf extract. Name of the journal: International research journal of Pharmacy, Month and year of publication: 2013, Vol No: 4(4), Page No: 205-208.	
DEPARTMENT OF PHARMACOGNOSY 2013-14	52	Title of the paper: Anti inflammatory Evaluation of the Cinnamomum malabattrum (Burm.F). Blume Leaves using Carrageenan Induced Rat Paw Oedema Method Authors: Aravind R, Bindu AR, Bindu .K., Kanthlal S, Anilkumar .B. Name of the journal: Research Journal of Pharmacy And Technology Month and year of publication: July 2013, Vol No: 6(7), Page No: 746-748.	

NATIONAL JOURNAL			
DEPARTMENT OF PHARMACY PRACTICE 2012-13	1	Title of the paper: Study of the prescribing pattern of drugs for diabetes,dyslipidemia and clotting disorders in patients suffering from metabolic syndrome. Authors: J. Siby, N. K. Meera, K. Gita . Name of the journal: Indian journal of hospital pharmacy. Month and year of publication: 2012; Vol No: 48	

DEPARTMENT OF PHARMACEUTICS 2012-13		2	Title of the paper: Intraperiodontal pocket: An ideal route for local antimicrobial drug delivery. Authors: Sreeja C Nair, Anoop KR. Name of the journal: Journal of Adv. Pharm. Technology And Research Month and year of publication: 2012 Vol No: 3(2), 9-15 .	Pubmed indexed
		3	Title of the paper: Formulation and Optimization of nano-sized ethosomes for enhanced transdermal delivery of cromolyn sodium. Authors: Rakesh R, Anoop KR. Name of the journal: J Pharm Bioallied Sciences Month and year of publication: 2012 Vol No: 4(4), Page No: 333-340 (2012).	Pubmed Indexed.
DEPARTMENT OF PHARMACEUTICAL CHEMISTRY 2012-13		4	Title of the paper: Design and <i>in silico</i> analysis of ring-A monosubstituted chalcones as potential anti-inflammatory agents. Author: Balasubramanian, R.; Vijayagopal, R. Name of the journal: <i>Bull. Pharm. Res.</i> Month and year of publication: 2012 Vol No: 2(2), Page No: 70-77.	
		5	Title of the paper: Self medication. Author: Leena Thomas. Name of the journal: Desabhimani Daily supplement Month and year of Publication: February 2012	
		6	Title of the paper: Quit tobacco. Author: Leena Thomas	

			Name of the journal: Desabhimani Daily supplement Month and year of publication: June 2012	
		7	Title of the paper: Proper Administration-oral medicine. Author: Leena Thomas Name of the journal: DesabhimaniDailysupplement Month and year of publication: April 2012	
		8	Title of the paper: Generic Medicine. Author: Leena Thomas Name of the journal: Manorama Arogyam – Health magazine Month and year of publication: December 2012	
		9	Title of the paper: Pharmacist's role in Proper medicine use. Author: Leena Thomas. Month and year of publication: Manorama Arogyam – Health magazine Month and year of publication: March 2012	
	2013-14	10	Title of the paper: Voice rest. Author: Leena Thomas. Name of the journal: Desabhimani Daily supplement Month and year of publication: February 2013	

23. Details of patents and income generated

S. No.	Title of the Patent / Invention	Name(s) of the staff	Month and Year of Patent Registration / Invention	Patent / Invention Details	Income generated

	The art, method, manner, process and system of preparation of curcumin loaded chitin nanogels for skin penetration. <u>Indian</u>	R. Jayakumar, <u>M. Sabitha</u> , Shantikumar V Nair, Vinoth Kumar Lakshmanan, N. Sanoj Rejinold and Amrita Nair.		<u>Patent</u> No.2353/ CHE/ 2011 A.	

24. Areas of consultancy and income generated

NIL

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad :**NIL**

26. Faculty serving in?

z) National committees b) International committees c) Editorial Boards d) any other (please specify)

NIL

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions**

S. No.	School Name	Department Name	Programme Name	Dates: (DD/MM / YY to DD/MM/YY)	# Attendees**	Location / Venue
1	Amrita School of Pharmacy	Pharmaceutical Chemistry	10 days workshop cum hands on training in Computer aided Drug Designing	3 rd July to 12 th July 2012.	S. Sathianarayanan, Leena Thomas, Manju Prathap	Amrita Vishwa Vidyapeetham University, Ettimadai
2	Amrita School of Pharmacy	Pharmaceutical Chemistry	@ weeks hands on training on computer aided design -Molecular Modeling, Protein Structure	15 th July to 28 th July, 2013.	Rahul R	Amrita Vishwa Vidyapeetham University, Ettimadai

			Analysis, Geometric Optimization, Energy Minimization , Molecular Docking, Molecular Dynamic Simulations			

****Attach separate list of faculty names, designations, and department/school names.**

Participation of Amrita Faculty in Faculty Development Programmes conducted by Other Institutions

S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants***
1	IPA 5 TH Student Congress	JSS College Of Pharmacy Ooty	Poster Presentation	28 th & 29 th April ,2013.	Mr. S. Sathianarayanan & M.Pharm students
2	UGC Sponsored National Conference cum Workshop	Marathanasiu s College, Kothamangalam on	Neutraceutically -Perspectives Prospects And Challenges”	12th & 13th March 2013.	Mr. Anilkumar .B., Vidya Viswanad
3	45th Annual Conference of Indian Pharmacological Society and International Conference (IPSCON-2012)	Nagpur	Navigating Pharmacology towards safe and effective therapy	5th to 7th January, 2013.	Ms. Kalpana Pravin Rahate
4	64th Indian Pharmaceutical Congress	SRM university, Chennai	64th Indian Pharmaceutical Congress	7th - 9th December 2012.	Mr. Sathianarayanan, Ms. Roshni PR, Ms.Remya Reghu, Ms. Meenu vijayan and few P.G. and U.G students
5	7th Asian	Bengaluru	7th Asian	26th - 28th	Mr. Emmanuel

	conference		conference on pharmacoepide miology	October 2012	James, Mr. Siby Joseph, Mr. Naveenkumar Panicker, Ms. Lakshmi R

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects :**100%**
- Students of all programmes namely, B.Pharm, M.Pharm and Pharm.D students compulsorily have to do the project work in the final year of the programme.
- percentage of students doing projects in collaboration with other universities / industry / institute : **7%**

29. Awards / recognitions received at the national and international level by

Faculty : Dr. B. Ranganathan, Assoc. Professor, Dept. of Pharmaceutical Chemistry won the best oral presentation award for his talk titled Design, synthesis and biological evaluation of some novel chalcone derivatives as anti inflammatory agents in the Pharmaceutical Chemistry section and attended by about 100 delegates from many parts of India in 1st Annual National Convention of Association of Pharmacy Professionals(APP) at Bhopal, M.P.

Students :

Gold Medal Examination:

2012

- U. Aravind Krishnan won the second prize in Gold Medal Exam in the year 2012.
- 2013
- Mridula Ramkumar (B.Pharm 2011 Batch) won the Second prize.
- Neethu C.M. (Pharm.D 2010 batch) won Third Prize.
- Ashitha Balakrishnan (B.Pharm 2011 batch) & Sreelakshmi Sreekumar (Pharm.D2012 batch) won Consolation prizes.

Mr. Rijo John, M.Pharm Pharmaceutics got the best paper award for the oral presentation at IPC (Indian Pharmaceutical Congress), conducted at SRM University, Chennai.

Ms. Tintu Sara James, 2010-12 batch M.Pharm Pharmacy Practice student of Amrita School of Pharmacy won the First prize for oral (Podium) presentation in the 7th Asian conference on Pharmacoepidemiology held at Hotel Sheraton in Bangalore during 26th - 29th October 2012.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. : **NIL**

31. Code of ethics for research followed by the departments?

NIL

32. Student profile programme-wise(Based on Admission 2012 batch)

Name of the Programme (refer to question no. 4)	Applications received	Selected Male Female		Pass percentage Male Female	
B.Pharm	192	11	49	72%	93%
M.Pharm M.Pharm Pharmaceutics	50	0	3	100	
M.Pharm Pharmaceutical Chemistry	50	--		100	
M.Pharm Pharmacy Practice	50	1	9	100	
Pharm.D	171	7	23	Not Completed	
Pharm.D(PB)	50	2	3	Not Completed	

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B. Pharm	--	98%	2%	--
Pharm.D	--	98%	2%	--
Pharm.D(PB)	60%	40%		--
M.Pharm	60%	40%		--

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.
For students with admission status active during the report period:

S. No.	School Name	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SLET qualified	# qualified in other exams
1	Amrita School of Pharmacy			5 students				

For passed out students who got the NET/SLET/GATE etc results during the report period:

S. No.	School Name	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SLET qualified	# qualified in other exams
1	Amrita School of Pharmacy			2 students				

35. Student progression

Student progression	Percentage against enrolled
UG to PG	80%
PG to M.Phil.	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed	
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	20%
from other universities within the State	39%
from universities from other States	40%
from universities outside the country	1%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

S. No.	Name of faculty	Name of Advanced Degree (include specialization)	Month & Year of Passing
1.	Dr. Sabitha M.	Ph.D	August 2012

38. Present details of departmental infrastructural facilities with regard to

- Library : **One full fledged library at school.**
- Internet facilities for staff and students : **All the staff have computer with internet facility.**
- Total number of class rooms : **12 Class rooms**
- Class rooms with ICT facility: **All class rooms**
- Students' laboratories : **14 laboratories**
- Research laboratories : **2Nos.**

39. List of doctoral, post-doctoral students and Research Associates

Doctoral (Ph.D)

- from the host institution/university :1
- from other institutions/universities :2

S. No	Name of the Research Scholar	Previous Highest UG/ PG Degree with Specializa	Name of the College/ University (Previous Degree)	Institution where registered for PhD (Dept / School /	Name, Designation, & Institution of PhD Guide	Research Topic / Area

		tion		Campus)		
1.	Dr. Sabitha M	PG M.Pharm Pharmaceutics	Dr. Harisingh Gour Vishwa Vidyalaya	Amrita Vishwa Vidyapeetham	Dr. Jayakumar Rangasamy, Professor, Amrita Center for Nanosciences & Molecular Medicine	Chitin Nanogels as an effective Nanocarrier for the treatment of Melanoma via. The Transdermal Route
2	Dr. B. Ranganathan	PG Master of Science	Fairleigh Dickinson University, State of New Jersey	University of Minnesota	Robert Fecik	Design and Synthesis of CYP7B1 Inhibitors for the chemoprevention of prostate cancer Synthesis and structure-Activity Relationships of Tubulysins
3	Dr. P. Umadevi	M.Pharm Pharmaceutical Chemistry	Jamia Hamdard University	Jamia Hamdard University		Analysis of interactions between antiepileptic Drugs and N-acetylcysteine on Experimental Seizures in Mice

40. Number of post graduate students getting financial assistance from the university. :
Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology?.

42. Does the department obtain feedback from
oo.faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

pp.students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

qq.alumni and employers on the programmes offered and how does the department utilize the feedback?

There is an online faculty feedback form. The feedback form is collected from the students in the middle of the academic year. Through these feed backs obtained from the students, draw back in teaching learning process are identified and corrective measures are taken to improve the teaching to make teaching more interactive and understanding. The faculty attends teachers training programme also. The faculty also attend seminars and conferences through which they are exposed to modern trends of Pharmacy.

43. List the distinguished alumni of the department (maximum 10): NIL

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S. No.	Name of Expert Resource	Topic	Date	Number of participants
1	Br. Manoj, Value Education instructor	Value Education	19 th to 22 nd September 2012.	B.Pharm, M.Pharm Pharm.D students
2	Dr. Renjith Choorikkat , Research Scientist in Byproduct Synthesis and process development at syngenta Biosciences Pvt. Ltd.	Career prospects in Pharmaceutical Sciences”	9 th November 2012	B.Pharm, M.Pharm Pharm.D students
3	Sri.K.Chandrasekaran, Sr. Manager & Clinical pharmacist Kovai medical centre and Hospital,	Comparison of Hospital pharmacy services in India and Abroad”	23 rd November 2012	B.Pharm, M.Pharm Pharm.D students
4	Sri.P. Ramesh Sr.General Manager ,Microlabs Ltd, Hosur Tamil Nadu	GMP Practice in Pharmaceutical, Industries	23 rd November 2012	B.Pharm, M.Pharm Pharm.D students
5	Br. Manoj, Value Education instructor	Value education	26 th February to 2 nd March, 2013	B.Pharm, M.Pharm Pharm.D students
6	Arun .A., Sr.Manager (Product Development), Vaidyaratnam P.S Variers Aryavaidyaasala,Kottakkal , Malappuram Dist.,	Ayurveda in trasition	2 nd March, 2013	B.Pharm, M.Pharm Pharm.D students
7	Prof. Bobby Johns George, Dept. of Pharmaceutics, St. Joseph’s College of Pharmacy, Cherthala	Introduction in general with special reference to the Pharmaceutical	9 th March, 2013.	B.Pharm, M.Pharm Pharm.D students

		Industry		
8	Mr. Rajesh V., Asst. Professor, Manipal College of Pharmaceutical Sciences	Research And Career in Pharmacy Practice	28 th June, 2013	B.Pharm, M.Pharm Pharm.D students
9	Dr. Bruno Sarmento, Dept. of Pharmaceutical Technology, Faculty of Pharmacy, University of Porto	Chitosan based system for the delivery of Biopharmaceutical drugs	26 th July 2013	B.Pharm, M.Pharm Pharm.D students

45. List the teaching methods adopted by the faculty for different programmes.
The major mode of teaching is by lecture. Lesson plans are prepared for each subject which help to plan course coverage well. Teaching aids like OHP, LCD projectors, powerpoint presentations and black boards are used. Seminars/ Assignments are the other method teaching.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
The programme objectives are constantly met by student interactions and student feedback.
47. Highlight the participation of students and faculty in extension activities.

CO-CURRICULAR ACTIVITIES:

Arts and sports fest are conducted every year to explore the talents of the students. Arts Fest conducted every year by the third year B.Pharm & Pharm.D students every year. This year also students and staff of Amrita School of Pharmacy celebrated Onam “Avani 2012” on 24th August 2012. The Arts Festival “Adhvaya 2012” was conducted from 14th to 16th October, 2012. Pharma Sports fest UDHGHOSH’2013 began with a colorful inauguration on the 12th of March, 2013. The event was spread over 5 days from 12th to 16th March, 2013. As part of the Pharma Sports fest, an inter-collegiate chess competition was conducted on 23rd March 2013 in Association with Chess Association Ernakulam.

OUT REACH PORGRAMME:

The students regularly participate in medical camps conducted by Amrita Hospital at different remote and urban areas at different parts of Kerala.

The school encourages students for conducting community outreach programmes for the benefit of society. They participate regularly in medical camps conducted by Amrita Hospital at different rural areas. The students and faculty participate in “Amala Bharatam cleaning campaign”, which was conducted in various locations in Ernakulam district like Vyttila, Kakanad, Sabarimala temple.

- i) National Pharmacy Week Celebration was conducted and the theme was “PHARMACIST IN PUBLIC HEALTH”. The theme of the programme was “PHARMACIST IN PUBLIC HEALTH”. Main sponsors of the programme were Association of Pharmaceutical Teachers of India (APTI) and IJHP (Indian Journal of Hospital Pharmacy).

As part of Pharmacy Week Celebrations, following programmes were conducted:

1. ORGAN PLEDGING & BLOOD DONATION:

Principal, Dr. Sabitha .M. handed over the consent forms for organ pledging to Mr. Vasanth Shenoy (Joint Secretary, SORT) and many students and faculty donated blood.

2. HOME TO HOME PATIENT COUNSELLING:

PG students and faculty of department of Pharmacy Practice, Amrita School of Pharmacy conducted home-to-home patient counseling in the Manjummel Panchayath. PG students of PHARMACY PRACTICE also conducted patient counseling and distribution of patient information leaflet at AIMS hospital.

3. STREET PLAY:

II and III year Pharm D (Regular) students performed street plays on "Rational Drug Use" and "DRUG ABUSE" respectively in various locations like AIMS hospital, Vytilla Hub, Marine drive, Kaloor bus stand, North Railway Station, South Railway Station, Kaloor Bus Stand, Oberon Mall during 19th to 22nd November 2012.

4. POSTER COMPETITION:

Poster Presentation competition was conducted for UG & PG students. All the students participated for the poster presentation which was displayed around Atrium in the AIMS Hospital. The prizes for the poster competition were won by Pharm D 1st year (PB) and Pharm D 2nd year (Regular) respectively.

5. SOUTH ZONE QUIZ COMPETITION:

A South zone Quiz competition was organised by Amrita School of Pharmacy in which 18 teams participated from various colleges. The Prizes were awarded to the winners of the south zone quiz competition. The competition was held in 3 rounds. The first round was online test followed by a written exam from which 6 teams were selected for the final round. The final round consisted of visual round, description round, Rapid fire round and so on. Students from the Govt. Medical college, Calicut bagged the first prize. The runner ups were the students from the Govt. Medical college Trivandrum and St. Joseph's college Cherthala. The first prize for Quiz competition was sponsored by APTI and II Prize was sponsored by IHPA, III Prize by (IDB Consultancy).

48. Give details of "beyond syllabus scholarly activities" of the department.

Special GPAT/ PG Entrance coaching classes are conducted for final year B.Pharm students. Online exams are conducted regularly which prepare them for all PG entrance examinations.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

All the programme are approved by AICTE (All India Council of Technical Education) and Pharmacy Council of India (PCI).

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

1. Publication
2. Research projects
3. Funded projects

Faculty regularly participate in various faculty development programmes within university as well as in other Institutions. They also participate in Indian Pharmaceutical Congress which is an annual congress organized by Indian

Pharmaceutical Association at different parts of India. Students and faculty regularly attend these conferences and also present their papers in the conference. Many students have also won prize for poster and paper presentations.

Both students and faculty are encouraged to publish the article

TOTAL NO. OF JOURNALS:

International Publications:

SL No.	Year	Total Nos.
1	2008	4
2	2009	26
3	2010	17
4	2011	34
5	2012	27
6	2013	16

National Publication:

SL No.	Year	Total Nos.
1	2008	2
2	2009	12
3	2010	5
4	2011	12
5	2012	11
6	2013	1

Research Projects:

Ongoing funded projects (both student & faculty): 11

Funded Research projects completed: 1

Students ongoing projects (M.Pharm):56 Nos.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength:

1. Good mix of experienced and fresher teachers full of enthusiasm. .
2. Strong publication record with the Department of pharmaceutical chemistry leading the efforts with good consistency in this area within the school of Pharmacy.
3. The Pharmacy Practice Dept. department is provided with a drug information center, which provides unbiased up-to-date clinically relevant information.

Weaknesses:

1. Need for more Industrial collaboration
2. More qualified and experienced faculty.
3. More Conferences to be organized.

Opportunities:

- Wealth of natural resources in terms of flora in the state is a great thing to tap into the field of Phytochemistry.
- With a lot of hard work, this is a great avenue for young faculty to grow along with the departments as it moves ahead.

Challenges.:

- Attracting qualified and experienced faculty
- Student population is not diverse enough.

52. Future plans of the department.

- a. Expansion of research in the following areas :
 - Drug Synthesis-both computer aided and synthetic chemistry.
 - Drug Delivery.
 - Clinical Research
- b. Plan to extend patient counselling services to the community including home to home counselling.
- c. Implementation of M.Pharm semester system from Academic year 2013 onwards.
- d. Planning to conduct more seminars and conferences.
 - e. Also encourage the faculty and students to initiate more funded Research projects.

Amrita College of Nursing – Kochi

Evaluative Report of the Department

- Name of the Department: Amrita College of Nursing
- Year of establishment: 2002
- Is the Department part of a School/Faculty of the university? If so, specify.
 - Faculty of the University; Amrita College of Nursing is a constituent of Amrita Vishwa Vidyapeetham University.
- Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Programme Name	Programme Duration	Student Intake	Start Date
1.	Bachelor of Science in Nursing	4 years	75*	30/01/2003
2.	Post Basic B. Sc Nursing	2 years	50	04/08/11
3	Master of Science in Nursing	2 years	36	30/04/2009

* The College started with an intake of 50 students and from the academic year 2010 – 11, the intake is 75.

- Interdisciplinary programmes and departments involved: **NIL**
- Courses in collaboration with other universities, industries, foreign institutions, etc. **NIL**
- Details of programmes discontinued, if any, with reasons : **NIL**
- Examination System: Annual/Semester/Trimester/Choice Based Credit System
Annual
- Participation of the department in the courses offered by other departments
Involved in taking classes for MHA and General Nursing students
- Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Actual
Professor	7	7
Associate Professors	1	1
Asst. Professors	5	5
Others	26	26

- Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Prof. K. T Moly	M. Sc Nursing	Professor/ Principal	Medical Surgical	29 Years 6 months	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
			Nursing (Cardio Thoracic Nursing)		
Prof. Sheela Pavithran	M. Sc Nursing	Professor/ Vice Principal	Medical Surgical Nursing	19 years	
Prof. Anila. K.P	M. Sc Nursing	Professor	Child Health Nursing	15 years 8 months	
Prof. Sunil. M	M. Sc Nursing	Professor	Child Health Nursing	18 years 11 months	
Prof. Sreedevi. P.A	M. Sc Nursing	Professor	Mental Health Nursing	16 years 2 months	
Prof. Kanmani Job	M. Sc Nursing	Professor	Medical Surgical Nursing	16 years 8 months	
Prof. Chithra. P	M. Sc Nursing	Professor	Child Health Nursing	14 years 10 months	
Mrs. Moly Hem	M. Sc Nursing	Associate Professor	Medical Surgical Nursing	19 years 4 months	
Mrs. Lekha Viswanath	M. Sc Nursing	Assistant Professor	Obstetrical and Gynecological Nursing	10 years	
Mrs. Regina Antony	M. Sc Nursing	Assistant Professor	Medical Surgical Nursing	8 years 2 months	
Mrs. Anitha Zacharias	M. Sc Nursing	Assistant Professor	Medical Surgical Nursing	7 years 11 months	
Mrs. Laly K George	M. Sc Nursing	Assistant Professor	Medical Surgical Nursing	14 years 2 months	
Mrs. Sreejamol M G	M. Sc Nursing	Assistant Professor	Mental Health Nursing	10 years 4 months	
Mrs. Jomy Joy	M. Sc Nursing	Lecturer	Obstetrical and Gynecological Nursing	4 years 11 months	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Mrs. Febu Elizabeth Joy	M. Sc Nursing	Lecturer	Mental Health Nursing	6 years	
Mrs. Anju Philip	M. Sc Nursing	Lecturer	Obstetrical and Gynecological Nursing	4 years	
Mrs. Anu K	M. Sc Nursing	Lecturer	Medical Surgical Nursing	2 years 10 months	
Mrs. Linda Varghese	M. Sc Nursing	Lecturer	Obstetrical and Gynecological Nursing	5 years 5 months	
Mrs. Indu Sreekumar	M. Sc Nursing	Lecturer	Medical Surgical Nursing	5 years 4 months	
Mr. Deepu Prasad	M. Sc Nursing	Lecturer	Community Health Nursing	3 years 6 months	
Mrs. Sherin Ann Jony	M. Sc Nursing	Lecturer	Medical Surgical Nursing	2 years 10 months	
Mrs. Yamuna K R	M. Sc Nursing	Lecturer	Medical Surgical Nursing	14 Years 2 Months	
Mr. Rajeesh R Nair	M. Sc Nursing	Lecturer	Mental Health Nursing	2 Years 2 Months	
Mrs. Sijimol K M	M. Sc Nursing	Lecturer	Medical Surgical Nursing	9 Years	
Mrs. Priya Thomas	M. Sc Nursing	Lecturer	Medical Surgical Nursing	3 Years 2 Months	
Mrs. Kavitha K C	M. Sc Nursing	Lecturer	Mental Health Nursing	2 Year 4 Months	
Mr. Praveen V P	M. Sc Nursing	Lecturer	Child Health Nursing	3 Years 3 Months	
Mrs. Anuja P V	M. Sc Nursing	Lecturer	Child Health Nursing	5 Years 1 Month	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Mrs. Anjana A P	M. Sc Nursing	Lecturer	Medical Surgical Nursing	5 Years	
Mrs. Anu K B	M. Sc Nursing	Lecturer	Obstetrical and Gynecological Nursing	3 Year 1 Month	
Mrs. Indukala C K	M. Sc Nursing	Lecturer	Child Health Nursing	6 Years	
Mrs. Kavitha K Velayudhan	M. Sc Nursing	Lecturer	Community Health Nursing	3 Year 3 Months	
Mrs. Aswathy Krishnan	M. Sc Nursing	Lecturer	Obstetrical and Gynecological Nursing	1 Year 6 Months	
Ms. Srilekshmi S	M. Sc Nursing	Lecturer	Child Health Nursing	1 Year 6 Months	
Ms. Sarika T K	M. Sc Nursing	Lecturer	Child Health Nursing	1 Year 6 Months	
Mr. Sreejesh K P	M. Sc Nursing	Lecturer	Community Health Nursing	3 Year 9 Months	
Mrs. Deepa S	M. Sc Nursing	Lecturer	Mental Health Nursing	1 Year 6 Months	
Mr. Rahul R	M. Sc Nursing	Lecturer	Medical Surgical Nursing	1 Year 4 Months	
Mr. Arun Kumar S K*	M. Sc Nursing	Lecturer	Community Health Nursing	1 Year	

- List of senior Visiting Fellows, adjunct faculty, emeritus professors
Note: Please provide details of date of appointment, courses taught, research projects executed, and any other contribution from the same. If the faculty are no longer with Amrita, mention the exit date. Provide in tabular form.

Name of the faculty	Date of Appointment	Courses taught
Mrs. Rosily K V	04/09/12	Involved in taking English classes for First year B. Sc and

		Post Basic B. Sc Nursing students
Mr. Arun Kumar	15/01/2013	Involved in taking Computer classes for First year B. Sc and M. Sc Nursing students
Mr. Sanal Chandran	17/04/2012	Involved in taking Computer classes for First year B. Sc and M. Sc Nursing students
Mrs. Reji P Mathew	21/09/2012	Involved in taking General Education classes for First year M. Sc Nursing students

- Percentage of classes taken by temporary faculty – programme-wise information

Programme	Percentage of Classes taken by temporary faculty
B. Sc Nursing	3.5%
Post Basic B. Sc Nursing	2%
M. Sc Nursing	2.2%

- Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
Bachelor of Science in Nursing	1:9
Post Basic B. Sc Nursing	1:9
Master of Science in Nursing	1:9

- Number of academic support staff (technical) and administrative staff: sanctioned, and actual

Designation	Sanctioned	Actual
Deputy Manager	1	1
Administrative Officer	1	1
Secretary to Principal	1	1
Administrative Assistant	1	1
PRA	2	2
Office Assistant	1	1
Librarian	1	1
Assistant Librarian	1	1
Library Attendant	3	3
Cleaning Staff	2	2

- Research thrust areas as recognized by major funding agencies : **NIL**
- Number of faculty with ongoing projects from a) national b) international funding

agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. **NIL**

- Inter-institutional collaborative projects and associated grants received: **NIL**
 - f. National collaboration b) International collaboration
NIL
- Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : **NIL**
- Research facility / centre with
 - state recognition
 - national recognition
 - international recognition**NIL**
- Special research laboratories sponsored by / created by industry or corporate bodies : **NIL**
- Publications:
 - Number of papers published in peer reviewed journals (national / international)
 - Monographs : **NIL**
 - Chapters in Books : **NIL**
 - Edited Books : **NIL**
 - Books with ISBN with details of publishers : **NIL**
 - Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **NIL**
 - Citation Index – range / average
 - SNIP
 - SJR
 - Impact Factor – range / average
 - h-index
 Also, fill out information in the table below.
- Details of patents and income generated **NIL**
- Areas of consultancy and income generated : **NIL**
- Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad :
 Note: Provide tabular data, with faculty name, designation, name of outside institution, dates, theme of visit, and outcomes
NIL
- Faculty serving in
 - j) National committees b) International committees c) Editorial Boards d) any other (please specify)

16. Prof. Anila K P is a member of Faculty of Nursing in Rajiv Gandhi University of

Health Sciences, Karnataka.

17. Entire faculty are members in Trained Nurses Association of India (TNAI)

- Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions**

S. No.	School Name	Department Name	Programme Name	Dates: (DD/MM/YY to DD/MM/YY)	# Attendees **	Location / Venue
1	Amrita College of Nursing	Amrita College of Nursing	Echo presentation on Forensic Nursing	04/12/12	32	Conference Hall, Amrita College of Nursing
2	Amrita College of Nursing	Amrita College of Nursing	Educational Session on SPSS	19/03/2013-20/03/2013	31	Computer Lab, Amrita College of Nursing
3	Amrita College of Nursing	Amrita College of Nursing	Statistical Analysis by SPSS	11/04/13	31	Computer Lab, Amrita College of Nursing
4	Amrita College of Nursing	Amrita College of Nursing	Computer Vision Syndrome	18/06/2013	21	Conference Hall, Amrita College of Nursing
5	Amrita College of Nursing	Amrita College of Nursing	Reiki Therapy	22/06/2013	24	Conference Hall, Amrita College of Nursing
6	Amrita College of Nursing	Amrita College of Nursing	Dengue Fever	25/06/2013	20	Conference Hall, Amrita College of Nursing

**Attach separate list of faculty names, designations, and department/school names.

Participation of Amrita Faculty in Faculty Development Programmes conducted **by**

Other Institutions

S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants***
1	Lissie College of Nursing, Cochin	Cochin	Workshop on Human Relations	04/08/12	Ms. Laly k George Asst. Professor, Amrita College of Nursing
2	Birth Village Cochin	Cochin	Workshop on Water Birth	09/12/2012-10/12/2012	1. Ms. Lekha Viswanath, Asst. Professor,

					Amrita College of Nursing 2. Ms. Jomy Joy, Lecturer, Amrita College of Nursing • Ms. Anju Philip Lecturer, Amrita College of Nursing
3	Narayana Hrudayalaya Hospital, Bangalore and Minnasota Academic Health Centre, Minnesota, USA	Bangalore	International Symposium on Strengthening of Health care : Delivering and Improving Health outcome in India- Linking Nursing and Public Health”	07/12/2012-08/12/2012	• Prof. Sheela Pavithran, Vice Principal • Prof. Anila. K P, • Mr. Deepu Prasad, Lecturer Amrita College of Nursing
4	St. James College of Nursing, Chalakudy	Chalakudy	National Symposium on “ Nurturing the Research vision in Nursing”	07/01/13	Prof. K T Moly Principal, Amrita College of Nursing
5	College of Nursing, Christian Medical College, Vellore	Christian Medical College, Vellore	National Nursing conference on “ Theory development and application in Nursing: Success and Challenges”	04/03/ 2013-05/03/2013	Mr. Deepu Prasad, Lecturer Amrita College of Nursing
6	KVM College of Nursing, Cherthala	Cherthala	National Conference on Research Methodology	22//02/2013-23/02/2013	Ms. Lekha Viswanath, Asst. Professor, Amrita College of Nursing
7	Tropical Medicine Oxford and GRNN	Govt. College of Nursing, Trivandrum	Global Health Network and Global Research Nurse Network- Workshop by DDNE	22//02/2013-23/02/2013	Prof. K T Moly Principal Amrita College of Nursing
8	Indian	West fort	12 th Annual	25/03/2013-	1. Prof.

	Society of Psychiatric Nurses and West fort College of Nursing	College of Nursing, Thrissur	Conference of Indian Society of Psychiatric Nurses	27/03/2013	Sreedevi P A, 2. Ms. Sreejamol M G, Asst. Professor 3. Mrs. Febu Elizabeth Joy, Lecturer 4. Mr. Rajeesh R Nair, Lecturer Amrita College of Nursing
9	TRADA, Kottayam	TRADA, Kottayam	Conference on Gender Issues, women empowerment, Child problems and management	16/03/2013	Mrs. Sreejamol M G
10	KMCH College of Nursing, Coimbatore	KMCH College of Nursing, Coimbatore	Workshop on Research Methodology	07/03/2013-08/03/2013	Mrs. Linda Varghese, Lecturer, Amrita College of Nursing
11	Department of Bio statistics, CMC, Vellore	CMC, Vellore	Short Course on Bio Statistics- Clinical trials and Meta Analysis	27/05/2013-31/05/2013	Prof. Kanmani Job Amrita College of Nursing

***Attach separate list of faculty names, designations, and department/school names.

- Student projects
 - percentage of students who have done in-house projects including inter-departmental projects: **30%**
 - percentage of students doing projects in collaboration with other universities / industry / institute **NIL**
- Awards / recognitions received at the national and international level by
 - Faculty : Nil
 - Doctoral / post doctoral fellows : Nil
 - Students
 - a. Ms. Arathy Unni
 - b. Ms. Swathy Rajan
 - c. Ms. Anu Raj C and
 - d. Ms. Reshma C Venu got Elsevier Gyanadeep Excellence in Nursing studies Scholarship.
- Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. **NIL**

- Code of ethics for research followed by the departments
 - Partly Nemerberg code

- Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
Bachelor of Science in Nursing	131	2	73	Did not appear for the University examinations	
Post Basic B Sc Nursing	37	2	15	“	
Master of Science in Nursing	38	4	28	“	

- Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Master of Science in Nursing	14.05	47.11	34.71	0

* Not applicable to B Sc and M Sc Nursing programmes

- How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.
For students with admission status active during the report period: **NIL**

For passed out students who got the NET/SLET/GATE etc results during the report period: **NIL**

- Student progression

Student progression	Percentage against enrolled
UG to PG*	5.56
PG to M. Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	100
54. Campus selection	50
55. Other than campus recruitment	50
Entrepreneurs	

* This data is pertaining to progression within Amrita.

- Diversity of staff

Percentage of faculty who are graduates	
of the same university	14.00%
from other universities within the State	17.00%
from universities from other States	69.00%
from universities outside the country	0

- Number of faculty who were awarded M. Phil., Ph.D., D.Sc. and D.Litt. during the assessment period **NIL**
- Present details of departmental infrastructural facilities with regard to
 - a) Library:
 - 2. Purchase new database (“proQuest”) for the nursing college“.
 - 3. The library timing is from 8 30 am till 12 midnight on all days except on Sundays. The library timing on Sunday is from 2 – 10 PM.
 - 4. In order to ensure better utilization of the library by the teachers and to make maximum availability of the texts for reference, the number of subscription for all the teachers have reduced form five to two.
 - 5. Deputed one more staff for the night shift as the number of students who utilize the library at the evening hours have increased.
 - 6. Purchased books on super speciality and have placed order for more number of recent edition books.
 - k) Internet facilities for staff and students
 - 7. Fifteen (15) computers with internet facility for staff and students
 - c) Total number of class rooms: Halls – 15 (9 UG & 7 PG) (1091+315= 1406 Sq. m)
 - d) Class rooms with ICT facility: Fifteen (15)
 - e) Students’ laboratories: 6 Numbers (Pre clinical lab, Community Health lab, Language lab, Obstetrical and Gynecological lab, Child health nursing lab.)
 - f) Research laboratories: **Nil**
- List of doctoral, post-doctoral students and Research Associates: **NIL**
- Number of post graduate students getting financial assistance from the university. **NIL**
- Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.
 - No
- Does the department obtain feedback from
 - a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
 - An evaluation of the curriculum was done by the faculty by the completion of the first batch of B Sc Nursing programme. The faculty members felt there is a need to modify the curriculum and the same was modified and implemented from the 2006 year admission onwards.
 - b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
 - Feedback is obtained from the students on teacher, clinical and classroom teaching. Each item is evaluated based on the grade provided. The Principal go through the proforma and discuss with individual teachers. In addition to this, the programme evaluation is obtained from the final year students of all the programmes.
 - c) alumni and employers on the programmes offered and how does the department utilize the feedback?
 - Feedback is also obtained from the alumni. The suggestions will be

discussed and any action if needed will be taken.

- List the distinguished alumni of the department (maximum 10)

Sl No	Name	Position Held/Area of work	Batch/year of study
1	Bri. Sai Bala	Nursing Director, AIMS, Kochi	I Batch M Sc
2	Ms. Sherin Ann Jony	Pursuing Ph D under INC Consortium	I Batch B Sc & M Sc
3	Mr. Mahendra Kumar M	Registered Nurse, Zayed Military Hospital, Abu Dhabi, U A E	II Batch B Sc
4	Mr. Aneesh R Ravi	Lecturer, Ivy Tech College, Indiana, US	III Batch B Sc
5	Ms. Divya Anand	Lt. Col, Military Hospital, Pune	II Batch M Sc
6	Ms. Anjana B	Registered Nurse, NIMHANS, Bangalore	II Batch M Sc
7	Ms. Deepthi John	Registered Nurse, ESI Hospital, Aluva, Ernakulam	III Batch M Sc
8	Mr. Deepak Mohanan	Registered Nurse, All India Institute of Medical Sciences (AIIMS), Delhi	V Batch B Sc
9	Mr. Vidhu M	Registered Nurse, Bhaba Atomic and Research Centre (BARC), Pune.	V Batch B Sc
10	Mr. Krishna Das	Registered Nurse, Indian Railways	II Batch M Sc

- Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sl. No.	Name of Expert Resource	Topic	Date	Number of participants
1	Dr. Jyothi Clara J Micahel	Nurse should be bold enough to say yes for the right and no for the wrong		50
2	Prof. Alka D Kalambi	Think and act: prove that nurses are knowledgeable		50

- List the teaching methods adopted by the faculty for different programmes.
 - Classroom teaching methods includes...
 - Lecture by teacher
 - Discussion- group and teacher lead
 - Lecture cum demonstration by internal teacher and experts from outside like psychiatrist, psychologists, physicians, etc.
 - Debate on current issues by students guided by teachers
 - Class discussions conducted by a student or student committee
 - Forums
 - Textbook assignments
 - Construction of vocabulary lists in Mental Health.
 - Clinical Diaries
 - Construction of summaries by students
 - Puppet shows
 - Guided observation and field visits and surveys

- Panel discussion, symposiums, seminars etc
- Gaming and simulation
- Interviews
- Drama, role playing
- Open textbook study
- Committee projects--small groups
- Class projects
- Individual projects
- Quiz
- Verbal illustrations: use of anecdotes and parables to illustrate
- Micro teaching sessions - Peer group and to juniors
- b. Clinical teaching methods includes...
 - Case presentation
 - Case study
 - Drug presentation
 - Demonstration and return demonstration of procedure
 - Health education – individual/group; formal/informal
 - Bedside clinics
 - Nursing rounds
 - Individual & group projects
 - Guided observations
 - Psycho dramas
- How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
 - Through written examinations
 - ❖ Evaluation through unit tests after the completion of every unit.
 - ❖ Sessional examinations two per an academic year.
 - ❖ Model examination – on completion of the entire topics prescribed in the syllabus model exam will be conducted.
 - Evaluation strategies like seminar, panel discussions, quiz etc
 - Written assignments
 - Health education / clinical presentation / care study evaluation.
 - Ongoing clinical performance appraisal.
 - Periodic communication to the parents / guardians regarding their ward's progression.
 - Practical examination and viva voces. Self-scrutiny of MCQs test
- Highlight the participation of students and faculty in extension activities.
 - Students are taken to different state level Govt. / Private health institution to observe the organization pattern, infrastructure, physical facilities & function. They learn more from the visit and understand the Ideal and actual set ups.
 - Organize and conduct symposia, panel discussions in the institution.
 - Organize and conduct role play, puppet show in the rural areas creating awareness.
 - Commemorating world health days through various programs

- Participate in Regional; State level, National, International Conferences, Seminars, and Workshops. Poster competition to inculcate creativity with knowledge.
- Conducts quiz competition to polish the young minds and keep always shining.
- Give details of “beyond syllabus scholarly activities” of the department.
 - Department organizes & conducts various extension activities in collaboration with other Department to serve general public.
 - Students actively participate in Intra – Inter collegiate Quiz programmes conducted by our Institution & other institutions and bagged prizes.
 - Department has brought forward the volunteers for blood donation for the needy and sick. As per requisition made by the blood bank and patients relatives volunteer students donate their blood with service mind for the patients. Faculty motivates and appreciates the student volunteers for their selfless help.
 - Consent to donate eyes (as part of the decennial celebration)
 - Observes all the National and International days of importance like World Health Day, International Nurses’ Day, World Mental Health Day, National Breast Feeding Week, Children’s Day, Midwifery Day, World Heat Day, Alzheimer’s Day, World Kidney Day etc.
- State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
 - The programme is approved by both the State (Kerala Nurses’ and Midwives Council) and the Indian Nursing Council.

Amrita Vishwa Vidyapeetham University is Accredited by NAAC with 'A' Grade

- Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
 - Incorporates Creative teaching learning activities
 - o OSCE) Objective Structured Clinical Evaluation)
 - o Observing days of importance in which student will be given the responsibility to organize the activities under the guidance of teachers.
 - o Students actively participate in seminar, panel discussion, symposium etc.
 - o Role plays as a method of teaching
 - o Brain storming sessions
 - o Conducts groups and individual research projects on a selected problem area.
 - o Focused group discussions
 - o Essay writing on selected topics
 - o Arrange experts talk on selected topics on special topics.
- Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

STRENGTHS

56. Good infrastructure and excellent clinical facilities
57. Well qualified Faculty

- 58. Good library including the e-resources and database
- 59. Value based education
- 60. Slow learner coaching programme.

WEAKNESSES

- Need to expand research activities / publications
- Need to attract better students and teachers.

OPPORTUNITIES

- Starting PhD programme in Nursing
- Available research opportunities to be utilized to the best
- Preparation / training for competitive exams
- Publishing own journal.
- Can take up school health programmes of nearby schools (as consultancy)

CHALLENGES

- Decreasing number and quality of new aspirants for Nursing.
- Decreasing demand for Nursing graduates and Post graduates.
- Declining public image about Nursing.
- Increase contribution in research by staff.

Accordingly the major areas for quality improvement are found to be as follows

- ❖ Research activities and putting them in to practice
- ❖ Boosting employee morale
- ❖ Reducing the gap between education & practice
- ❖ Procuring students of better quality & aptitude for nursing
- Future plans of the department.
 - **ACADEMIC (TEACHING & RESEARCH)**
 - o Start M Sc Nursing programme in Community Health Nursing specialty.
 - o Start short term courses in Nursing in eight areas.
 - o Conduct more departmental/group/individual research projects/ publications by the faculty.
 - o Complete the procedure manuals in each speciality and to have a common manual for both the college and the nursing service department to have uniformity in practice.
 - o Organize health camps and exhibitions in the community.
 - o Plans to start a journal for the College.
 - o To organize more staff development programmes
 - **INFRASTRUCTURE & LEARNING RESOURCES**
 - o The expansion of library.
 - o Purchase of more computers and LCDs
 - o A lift for the college
 - **STUDENT SUPPORT SERVICES**
 - o Conduct workshop, more quiz competitions, seminars etc.
 - o Facilitate students to participate in more and more educational activities and competitions outside the campus.
 - o Encourage student research with the support of faculty and encourage them to present the same in conference and workshops.

- o Publishing all the post graduate theses
 - o Study tour for the final year students and M Sc Nursing students
 - o Utilize modern technology effectively for instruction.
- INTERNAL AUDIT
 - o Plan for internal audit.
 - o Audit of the Lab equipment and library books.

Prof. Sheela Pavithran

Prof. K.T. Moly

Amrita
Department of
Management –
Amritapuri

Evaluative Report of the Department

Department of Management, Amrita Vishwa Vidyapeetham, Amritapuri

1. Name of the Department [Department of Management](#)
2. Year of establishment [2009](#)
3. Is the Department part of a School/Faculty of the university? If so, specify.
[No. It comes directly under the university.](#)
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Programme Name	Programme Duration	Student Intake	Start Date
1	MBA	2 years	60 +10% extra	1st July

5. Interdisciplinary programmes and departments involved
[NIL](#)
6. Courses in collaboration with other universities, industries, foreign institutions, etc.

S. No.	Programme Name	Name of outside institution	Programme Duration	Student Intake	Start Date
1	Summer Exchange Programme	Marymount University, Arlington, Virginia, USA	3 months	2	26th May 2012
2	Erasmus Mundus	University of Trento, Trentino Province of Italy	10 months	5	23rd Aug 2010

7. Details of programmes discontinued, if any, with reasons
[NIL](#)
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System :
[Trimester](#)
9. Participation of the department in the courses offered by other departments
[NA](#)
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Actual

Professor	NA	1
Associate Professors	NA	0
Asst. Professors	NA	2
Others	NA	5

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Dr. V S Somanath	PhD, MBA, BSc(Engg)	Dean, Amrita School of Business	Finance, International Finance	33 years	
Dr. Hardik Vacchrajani	Ph.D, MBA	Assistant Professor	Strategy, Systems, Marketing	Industry – 3 years Academic – 8 years	3 (ongoing)
Dr. Mantu Mahalik	M.Phil, Ph.D	Assistant Professor	Economics	1 month	NA
Sougata Ray	M.A. (Economics), PGDM	Assistant Professor	Economics, Finance	Industry – 7 years Academics – 4 years	NA
K.G.Sofi Dinesh	B.Sc. (H), MBA	Faculty Associate	Marketing	Industry – 6 years Academics – 1 year 2 months	NA
Avinash Shivdas	B.E, M.B.A	Faculty Associate	Marketing	Industry – 5 years Academics – 2 years 10 months	NA

Soni Vivek	B.Tech, M.B.A	Faculty Associate	Marketing	Nil	NA
Jeayaram S	B.E, M.B.A	Faculty Associate	Human Resources	Industry – 6 months Academics – 6 months	NA
S. Vaidyanathan (Part-time faculty)	B.Tech (H), PGDM	Faculty Associate	Marketing	Industry – 11 years Academics – 2 years	NA

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Name	Date of Appointme nt	Courses Taught	Research projects executed	Any other contributi on	Currently with Amrita?	Exit Date
Dr. Shyam Nath	2011	EMSD (Environmenta l Management & Sustainability Development)	Working on ICSSR project		Yes	NA
Rishiraj Dasgupta	5th Jan 2011	Financial Management, Advanced Financial Management, Project Appraisal & Finance, Commercial Banking & Insurance, Financial Modeling			Yes	NA
Abhijath V	19th Oct 2009	Production & Operations Management, Project Management, Advanced Quality Planning & Management			Yes	NA
Dr. Prakash .V	27th july 2010	Industrial Relations,			Yes	NA

		Talent Management, International Human Resource Management				
Joy Chakrabarti	October 2010	Strategic Brand Management, Integrated Marketing Communications			Yes	NA
Ramnarayan Vishwanathan	8th Dec 2012	Supply Chain Management			Yes	NA

13. Percentage of classes taken by temporary faculty – programme-wise information
50% (for the academic year 2012-13)

14. Programme-wise Student Teacher Ratio
PG – 13:1 Student: Teacher Ratio

15. Number of academic support staff (technical) and administrative staff: sanctioned, and actual

Designation	Sanctioned	Actual
Executive Assistant	2	1
Office Assistant	3	3
Assistant Librarian	3	2

16. Research thrust areas as recognized by major funding agencies
N/A

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project*
1.	Study of innovation strategies adopted by food manufacturing SMEs of Kerala and Melbourne	Dr. Hardik Vachhrajani	CASRO, Deakin University, Australia	A\$ 15,000/-	1 year

18. Inter-institutional collaborative projects and associated grants received
a. National collaboration b) International collaboration
NIL
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.
NIL
20. Research facility / centre with
- state recognition
 - national recognition
 - international recognition
- NA
21. Special research laboratories sponsored by / created by industry or corporate bodies
NA
22. Publications:
- Number of papers published in peer reviewed journals (national / international)
- 8
 - Monographs
 - Chapters in Books
 - Edited Books
 - Books with ISBN with details of publishers
 - Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - Citation Index – range / average
 - SNIP
 - SJR
 - Impact Factor – range / average
 - h-index

Also, fill out information in the table below.

Year	Type of Publication	Publication Details	Average citation index and impact factor of publications	
2011-12	National Journal	1.	Title of the Paper: "Economics of Scale in Microfinance Institutions: Evidences from India" Authors: Vachhrajani Hardik B. and Sougata Ray Name of the Journal: published in book titled "Role of Banking in Rural Economic Development" Month and Year of Publication: 2011 Volume No. Page No. Page 62-68	

2010-11	International Journal	1.	Title of the Paper: Innovations to elevate the most deserving: A stroll back to recent Indian experiences Authors: Dr. Hardik Vachhrajani Name of the Journal: South Asian Journal of Marketing and Management Research Month and Year of Publication: December 2010 Volume No. 1 (3) Page No.	
2010-11	National Journal	1.	Title of the Paper: Role of Universities in National Innovation System Authors: Vachhrajani Hardik B. & Vachhrajani Bhadrayu V. Name of the Journal: The University News (Association of Indian University's Journal of Higher Education) Month and Year of Publication: Volume No. 48 (44) Page No.	
2009-10	International Journal	1.	Title of the Paper: N=1 The Case for Grounded Theory Research in Innovation Authors: Vachhrajani Hardik B. Name of the Journal: Real Innovation Insights Month and Year of Publication: February, 2010 Volume No. 4 Page No.: Online	
2009-10	National Journal	1.	Title of the Paper: Gold ETF Performance: A Comparative Analysis of Monthly Returns Authors: Mukul Mukesh Kumar, Vikrant Kumar, Sougata Ray Name of the Journal: IUP Journal of Financial Risk management Month and Year of Publication: 2012 Volume No. Vol. IX, No. 2 Page No.	

		2.	Title of the Paper: Does Service Sector Growth Explain Manufacturing Growth in India Authors: Sougata Ray Name of the Journal: IUP Journal of Applied Economics Month and Year of Publication: Jan 2013 Volume No. Vol. XII, No. 1 Page No.	
		3.	Title of the Paper: Crowdsourcing and Idea Generation: Analyzing various models and their implication Authors: Vachhrajani Hardik B. Name of the Journal: ISME Management Review Month and Year of Publication: March, 2010 Volume No. Vol. 1, No. 1 Page No. 103-106	
			Title of the Paper: ‘Investors in People’ Approach in Higher Education : Growing with the people, for the people, by the people Authors: Vachhrajani Hardik B. Name of the Journal: HEF’s Indian Journal of Higher Education Month and Year of Publication: April, 2010 Volume No. Vol. 1, No. 1 Page No. 88-106	
2012-13	International Conference (Proceedings)	1.	Title of the Paper: THE YAGNA SPIRIT- NEW AGE BUSINESS DYNAMISM Authors: Chandrasekhar J and Avinash Shivdas Name of the Conference: MANAGEMENT	

			IN THE NEW WORLD ORDER - CONCEPTS AND PRACTICES FROM INDIA Duration of the Conference: 13-14 Aug 2012 Name of the Organizer: IIM Ranchi Conference Venue: Ranchi Page No: 119 Proceedings Published By: Tata McGraw Hill	
2012- 13	National Conference (Proceedings)	1.	Dr. Hardik Vachhrajani presented paper in 3rd International Conference on "Business Ethics, Governance and Sustainable Enterprises", Ahmedabad, India, 8- 9/February/2013, Received Best Paper Award, Proceedings published by GTU, as <i>special issue of Sankalpa, Journal of Management and Research Vol 1. No. 3</i>	
		2.	Ray Sougata, "Role of New Institutional Economics in Micro Finance" at the National Conference on Contemporary Issues on Banking and Finance held at KPR School of Business, Coimbatore; 17th November 2012.	
2011- 12	International Conference (Proceedings)	1.	Title of the Paper: Integrating Quality and Innovation, Models for SMEs Authors: Vachhrajani Hardik B. Name of the Conference: 11th Quality Managers' Conference Duration of the Conference: 2 days Name of the Organizer: Iranian Society for Quality Conference Venue: Tehran, Iran Page No: CD ROM Proceedings Published By: Iranian Society for Quality	
			Title of the Paper: "Theories and Concepts in Behavioral Finance: A review" Authors: Ray Sougata Name of the Conference: Seventh International Seminar on Financial Markets: Issues and Challenges Duration of the Conference: 2 days Name of the Organizer: Bharathidasan	

			University Conference Venue: Bharathidasan University, Trichy Page No: Proceedings Published By:	
2011-12	National Conference (Proceedings)	1.	Title of the Paper: "Economics of Scale in Microfinance Institutions: Evidences from India",on "Role of Banking Sector in Rural Economic Development" Authors: Vachhrajani Hardik B. & Vachhrajani Bhadrayu V Name of the Organiser: Dr. N.G.P. Arts and Science College, Coimbatore, sponsored by Indian Council of Social Science Research (ICSSR) September 23, 2011	
		2.	Title of the Paper: Small is Innovative, How Small Companies do Big Innovations? Authors: Vachhrajani Hardik B. Name of the Organiser: Silver Jubilee Government College, Kurnool, Andra Pradesh 2-3,March,2012	
2010-11	International Conference (Proceedings)	1.	Title of the Paper: Innovations to elevate the most deserving: A stroll back to recent Indian experiences Authors: Dr. Hardik Vachhrajani Name of the Conference: 4th International Conference on Indicators and Concepts of Innovation (ICICI) Duration of the Conference: 2 days Name of the Organizer: University of Stuttgart Conference Venue: Stuttgart, Germany Page No: Proceedings Published By:	
			Title of the Paper: Call for increased emphasis on 'People' in Indian Higher Education Accreditation System Authors: Vachhrajani Bhadrayu V. & Vachhrajani Hardik B.	

			Name of the Conference: Asia Pacific Quality Network Conference 2011 Duration of the Conference: 2 days Name of the Organizer: NAAC Conference Venue: Bangalore, India Page No: Proceedings Published By: NAAC	
2010-11	National Conference (Proceedings)	1.	Ray Sougata, “ Indian Stock market reforms : A Review” at the AICTE National Seminar on Contemporary Practices in Finance & HRM, Dept of Management Studies, VHNSN College, Virudhunagar – 626001; July 2010.	
2009-10	National Conference (Proceedings)	1.	Title of the Paper: Crowd Sourcing and Idea generation Authors: Dr. Hardik Vachhrajani B Name of the Conference:National Conference on emerging trends in professional management education in knowledge economy in India Date of the Conference: 30th Jan 2010 Name of the Organizer: International School of excellence and quality council of India Conference Venue: Bangalore Page No: Receipient of the Best paper Award.	
2009-2010	Books Published		Author: Dr. Meera Book: Knowledge Axis,(A book on Investments) Publisher: Vikas Publishers Jan2010	
2011-12			Vachhrajani Hardik B. (Ed). (2011), ‘Anthology on Quality in Higher Education’, Shree Niwas Publications, India (ISBN : 978-93-5032-018-1)	
			Vachhrajani Hardik B. & Vachhrajani Bhadraru V. (2011), ‘Quality and Innovation in Higher Education’, Shree Niwas Publications, India (ISBN : 978-93-5032-010-5)	

23. Details of patents and income generated

NIL

24. Areas of consultancy and income generated

NIL

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Name	Designation	Name of outside institution	Dates	Theme of visit	Outcome
Dr Hardik V	Assistant Professor	Univ of Bologna	24-Aug-2010 to 23-Jun-2011	Post doctoral research	Award of post doctoral fellowship by Univ of Bologna
Dr Hardik V	Assistant Professor	Iranian Society for Quality	12-Jan-2012 to 16-Jan-2012	Deliver invited session on Quality	Delivered key note address in front of 1200 professionals in the field of Quality from across Iran
Dr. Hardik V	Assistant Professor	Deakin University	December 2012	Project discussion – innovation in SMEs in food sector	Work in progress

26. Faculty serving in

a. National committees b) International committees c) Editorial Boards d) any other (please specify)

Name of Faculty	National/International Committee/Editorial Board/Any other	Role
Dr Hardik V	IBSU Scientific Journal, Tbilisi, Georgia Publisher : International Black Sea University, Tbilisi, Georgia	Assistant Editor & Reviewer
Dr Hardik V	International Journal of Information Systems and Social Change (Published by IGI Global, An Official publication of Information Resources Management Association)	International Reviewer Board Member
Dr Hardik	Journal of Higher Education Publisher : Higher	International Advisory

V	Education Forum, Mumbai	Board Member
Dr Hardik V	International Conference on Concepts and Indicators of Innovation (ICICI 2010), October 2010, Stuttgart, Germany	Organizing Committee member
Dr Hardik V	Leadership (Sage, UK) Special Issue on 'Leadership in Asia, 2011)	Guest Reviewer
Dr Hardik V	International Journal of Innovation and Regional Development Publisher : Inderscience	Guest Reviewer
Dr Hardik V	International Journal of Innovation and Sustainable Development Publisher : Inderscience	Guest Reviewer
Dr Hardik V	Continuous Innovation Network (CINet) Conference 2009	Guest Reviewer

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions**

NIL

Participation of Amrita Faculty in Faculty Development Programmes conducted **by Other Institutions**

Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/YY to DD/MM/YY)	# Amrita Faculty Participants
IIT Chennai	IIT Campus Chennai	Teacher Leadership	09/11/2012 to 10/11/2012	K.G.Sofi Dinesh & S. Jeayaram
DoMS, IIT Chennai	IIT Chennai Campus	Workshop on Research Methods	21/08/2011 - 22/08/2011	Avinash Shivdas
Webinar conducted by American Marketing Association	Online	Why Your Marketing Strategy Needs Heroes to Reach and Engage Customers	24/03/2011	Avinash Shivdas
Webinar hosted by ESOMAR	Online	The Video Future of Qualitative Research – a story of online video and a smartphone-empowered global consumer base	14/03/2011	Avinash Shivdas

Webinar hosted by ESOMAR	Online	Insight Generation -Understanding Insight driven innovation	14/03/2011	Avinash Shivdas
Webinar conducted by Markedu - Innovative Marketing Education	Online	Social Media Marketing Campaign Management	28/01/2011	Avinash Shivdas
California state University, San Marcos & SIMSR, University of Mumbai.	Mumbai	Academic Research Methods: Some Basic Inputs	January 29-30, 2010	Sougata Ray
IIT Kharagpur	Kharagpur	Statistical Modeling for Data Analysis	December 20-26, 2010	Sougata Ray
CDS Trivandrum	Trivandrum	Using Internet for Applied Development Research	April 27-29, 2011	Sougata Ray

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities / industry / institute

Note: Department must maintain records of the projects.

- 100% of students have done in-house projects, including inter-departmental projects, as part of requirements of completion of the course
- 100% of students do summer internship projects in different industries

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students
 - Faculty - Dr. Hardik Vachhrajani received the **“Best Young Teacher of the Year 2010-11”** award from the Higher Education Forum and AICAR Business School, September 2011
 - Students – 2 students from the 2011-13 batch won prizes at the National Level Essay Writing & Presentation Competition on “Human Values” conducted by Spandan-IBA, Noida

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

NIL

31. Code of ethics for research followed by the departments

Common for all the constituent schools and departments of the university.

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected	Pass percentage	
		Male Female	Male	Female
MBA (2012-2014 batch)		M – 32 F - 34	M – 100% F – 100%	

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MBA (2012-2014 batch)	38%	35%	27%	0%

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

For students with admission status active during the report period:

NIL

For passed out students who got the NET/SLET/GATE etc results during the report period:

NIL

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	0%
PG to Ph.D.	0.02%
Ph.D. to Post-Doctoral	NA
Employed	99.98% are campus employed

• Campus selection • Other than campus recruitment	
Entrepreneurs	0%

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	44.5%
from other universities within the State	0%
from universities from other States	44.5%
from universities outside the country	11%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

NIL

38. Present details of departmental infrastructural facilities with regard to

a) Library - 1

b) Internet facilities for staff and students - wi-fi connectivity for both staff and students is available; other than this, staff have internet facilities on their office computers

c) Total number of class rooms - 3

d) Class rooms with ICT facility - 3

e) Students' laboratories - None

f) Research laboratories - None

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

b) from other institutions/universities

S. No.	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	K.G.Sofi Dinesh	MBA	Sambalpur Univ	Amrita Univ	Pursuing Coursework	Pursuing Coursework
2.	S. Jeayaram	MBA	Amrita Univ	Amrita Univ	Pursuing Coursework	Pursuing Coursework

3.	Avinash Shivdas	MBA	Amrita Univ	Amrita Univ	Dr Soumya Sivakumar, Assistant Professor (Marketing) & BBA Director, University of Marymount, Arlington, VA, USA	Frugal Innovation

40. Number of post graduate students getting financial assistance from the university.
NIL
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.
NIL
42. Does the department obtain feedback from
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
 - alumni and employers on the programmes offered and how does the department utilize the feedback?
- Feedback from faculty – from periodic discussions
 - Students – Feedback forms filled every trimester; this is utilized in deciding on courses offered, pedagogy followed, staff performance evaluation etc
 - Alumni & Employers - Feedback forms/ mails are received from the alumni suggesting means and methods of updating curriculum and various pedagogical approaches that would be beneficial for current students. The feedback is very useful in fine tuning courses, especially elective courses.
43. List the distinguished alumni of the department (maximum 10)

S. No.	Name	Year of passing	Company/Organisation	Role/Designation
1	Rahul K Ajay	2011	Khimji Ramdas, Muscat	Section Manager
2	Sreejith Kumar S	2011	Tranont Technologies India Pvt Ltd	Project Manager
3	Rohit MS	2011	Amriteswari Group -	Managing Director

			Amriteswari AgroPlus Pvt Ltd	
4	Aravind T.U	2011	IBS Software Services	Sr.Exec-Human Resources
5	Sandeep Kumar Mohapatra	2011	Sundaram Finance	Asst Mgr, Branch Operations(Credit)
6	Gokul S	2011	Hidesign India Pvt Ltd	Assistant Manager - HR
7	Bivin Babu	2012	Indian Bank	Assistant Manager-Marketing
8	Bhavya K Balan	2012	UAE Exchange, Abu Dhabi	Jr Officer
9	Akash M P	2012	Khimji Ramdas, Muscat	Section Sales Manager
10	Ganesh Jayakumar	2013	Khimji Ramdas, Muscat	Section Sales Manager

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S.No.	Name of Expert Resource	Topic	Date	Number of participants
1	Mr. Jayesh, Faculty, Career Launcher	Placement Training	01, 02 September 2012	57
2	Mr. Rajaram, Faculty, Career Launcher	Placement Training	03, 04 September 2012	57
3	Mr. Jayesh, Faculty Career Launcher	Placement Training	Oct 10, 2012	57
4	Mr. Hari Nair, Faculty Career Launcher	Placement Training	Oct 11, 2012	57
5	Ms. Sangeetha Elizabeth	Softskills Training	16-01-12: 8 hours 07-02-12 4 hours 03-03-12 4 hours	57

			10-03-12 8 hours	
6	Mr. Ajay Zener, Faculty, Career Launcher	Placement Training	Aug-Sep 2011 (2 days)	44
7	Mr. N. Rajaram, Faculty, Career Launcher	Placement Training	Aug-Sep 2011 (1 day)	44

45. List the teaching methods adopted by the faculty for different programmes.

PG – Case study discussions, presentations, surprise & announced quizzes, guided projects (summer internships) in collaboration with industry, hands-on experiential learning (such as organizing stalls, guerrilla marketing etc)

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

1. Course syllabus and exams are monitored for quality
2. Faculty are provided with course feedbacks for improving their courses
3. Students have ready access to faculty and receive periodic information (continuous evaluation system) regarding their performance throughout the term
4. Weak students are counseled from time to time

47. Highlight the participation of students and faculty in extension activities.

1. Students take part in B-Festivals conducted by other B-schools
2. Students organize a cultural festival where they display their artistic talents
3. Students take active part in celebrating Onam and other festivals.
4. Students undertake an excursion every year
5. Students take part in “corporate theater” personality development programs
6. Students receive meditation training

48. Give details of “beyond syllabus scholarly activities” of the department.

1. Students are encouraged to present papers at conferences. A few students have taken up this opportunity.
2. Students participate in industry visits to secure a practical focus to their education.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

No.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

1. Faculty present papers at regional and national conferences
2. Faculty publish papers in scholarly journals
3. Faculty are part of editorial boards of journals

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

I. Strengths

1. Access to International HQ of Mata Amritanandamayi Math provides access to industry experts helping students understand industry better
2. The spiritual atmosphere and the exposure to several community drives by the ashram provides the students with a chance to understand, analyze and attempt to provide solutions for problems on environmental sustainability, and several such pressing societal issues
3. Excellent faculty: student ratio (approximately 1:7)
4. A Self-Realized master is the Chancellor of this institution - very rare indeed! The benefit is of visionary, far-sighted decision-making unavailable to other organizations run on 'human intellect'
5. 100% placement for our students every year since inception

II. Weaknesses

1. Minimal access to metropolitan way of life and an exposure to its challenges.

III. Opportunities

1. Availability of research centers within campus , provides opportunity for students to work on the managerial side of those projects
2. Opportunity to observe and also understand the managerial side of project execution (large projects like Amrita Setu at half the cost is really a management feat)
3. Opportunity for students to learn from the Chancellor, AMMA (Sadguru Mata Amritanandamayi Devi) the ideal qualities of selflessness, compassion, leadership, multi-tasking, etc which go a long way into making of a good manager & leader (the challenge of most B-schools is that these qualities cannot be 'taught' in a classroom!)

IV. Challenges

1. Recruitment of permanent, qualified faculty on a full-time basis due to the remote non-metro-location
2. Difficulty in attracting high quality students for the same (above-mentioned) reason

52. Future plans of the department.

1. The Department of Management would be focusing on changing its status from a Department to a School.
2. The Department would like its program to receive international exposure and recognition. More international student exchange programs and more visits by international faculty would be thought about and implemented.
3. The Department would like to start several "centers of research or excellence" in order to promote its industry linkage and international exposure.
4. The Department may double its intake from 60 to 120 per year.
5. The Department may address improving its facilities by considering moving to new premises

Amrita
Department of
Management –
Bangalore

Evaluative Report of the Department

1. Name of the Department : Department of Management, Bangalore
2. Year of establishment: 2009
3. Is the Department part of a School/Faculty of the university? If so, specify.
Department under Amrita Vishwa Vidyapeetham, Bangalore Campus
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Programme Name	Programme Duration	Student Intake	Start Date
1	MBA-MS	2 years	60	July 2009

5. Interdisciplinary programmes and departments involved: Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.

S. No.	Programme Name	Name of outside institution	Programme Duration	Student Intake	Start Date
1	MS in Management (Business Analytic) and Systems	University at Buffalo , NY	2 Years	60	July 2009

7. Details of programmes discontinued, if any, with reasons: NIL
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Trimester (6 trimester over a span on 2 years)
9. Participation of the department in the courses offered by other departments
NIL
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Actual
Professor		NIL
Associate Professors		1
Asst. Professors		3
Others		1

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Dr. Amalendu Jyotishi	Ph.D	Associate Professor and Chairperson PhD Program & Research	At MBA and Executive MBA Level: <i>Quantitative Methods, Micro Economics, Macro Economics, Environmental Management</i> , At PhD Level: <i>New Institutional Economics , Advance Micro Economics, Research Methodology (Econometrics)</i>	17 years	3 (1 completed and 2 ongoing)
Dr. Deepika M G	Ph.D	Assistant Professor, (SG)	Economics	14 years	Nil
Dr. Pooja Sharma	Ph.D	Assistant Professor, (SG)	Marketing	9.5 years	Nil
Dr. Savita Bhat	Ph.D	Assistant Professor, (SG)	Industrial Economics	8.9 years	Nil
Ms. Priya Gupta	MA ,(Ph.D- Thesis Submitted)	Faculty Associate	Organizational Behavior, HRM, Sociology, Disaster Management, Industrial Sociology	2 years	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

S. No	Name	Designation	Qualification	Campus
1	Mr.Kameswaran S	Visiting Faculty	M.Com, CA	Bangalore
2	Dr.Lakshmi Rangarajan	Visiting	Ph.D.	Bangalore

		Faculty		
3	Ms. Sushila Hariharan	Visiting Faculty	MBA	Bangalore
4	Dr. Prakash V	Visiting Faculty	MPA, Ph.D.	Bangalore
5	Mr. Jay Misra	Visiting Faculty	BS, MS (Engg., Pittsburgh), MBA (Harvard)	Bangalore
6	Mr. Cavale V M	Visiting Faculty	B.E , MIE, MBA (IIMA)	Bangalore
7	Mr. Chandrasekhar M K	Visiting Faculty	P.G Diploma in Marketing & Sales	Bangalore
8	Mr. Ramasubbu T K	Visiting Faculty	B.E (Hons) Mech, MBA (Marketing)	Bangalore
9	Mr. Ramesh Gopalaswamy	Visiting Faculty	MS	Bangalore
10	Mr. Shijith Nambiar	Visiting Faculty	MBA	Bangalore
11	Dr. Venkatesh Bhagvath	Visiting Faculty	Ph.D.	Bangalore
12	Mr. Venugopal G	Visiting Faculty	MBA	Bangalore
13	Mr. Raj Sreedharan	Visiting Faculty	MS	Bangalore
14	Dr. Raj Sharman	Adjunct Faculty	Ph.D.	Bangalore
15	Dr. Rajiv Kishore	Adjunct Faculty	Ph.D.	Bangalore
16	Dr. Larry Sanders	Adjunct Faculty	Ph.D.	Bangalore
17	Dr. Raghav Rao	Adjunct Faculty	Ph.D.	Bangalore
18	Dr. Sanjukta Das	Adjunct Faculty	Ph.D.	Bangalore
19	Dr. Giri Kumar Tayi	Adjunct Faculty	Ph.D.	Bangalore
20	Dr. Vivekanandan	Adjunct Faculty	Ph.D.	Bangalore
21	Dr. Ram Ramesh	Adjunct Faculty	Ph.D.	Bangalore

13. Percentage of classes taken by temporary faculty – programme-wise information
 In house Faculty – 40% (approximate)
 Temporary – 60 % (approximate)

14. Programme-wise Student Teacher Ratio
 10:1

15. Number of academic support staff (technical) and administrative staff: sanctioned,

and actual

Designation	Sanctioned	Actual
Programme Coordinator		2
Executive Assistant		1
Admin Assistant		1

16. Research thrust areas as recognized by major funding agencies : NIL

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project*
1.	Rumour propagation through social media in the context of the Northeast mass migration of August 2012 in Bangalore	Ms. Priya Gupta , Dr. Raghav Rao, Dr. Manish Agarwal ,Mr.Onook	University at Buffalo	\$1000	1 year
2.	Climate Change Vulnerability and adaption	Dr. Amalendu Jyotishi, Dr. Sridevi, Dr. Satyasiba and Dr. Sushanta	ICSSR	Rs 7,00,000	1 year
3	Risk and Diversification in Coffee Cultivation in India – An Emperical Analysis	Dr. Deepika M G	Amrita University	Rs 58,000	6 Months

18. Inter-institutional collaborative projects and associated grants received NIL

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Climate Change Vulnerability and adaption	Dr. Amalendu Jyotishi, Dr. Sridevi, Dr. Satyasiba and Dr.	ICSSR	7,00,000	1 year

	Sushanta			

20. Research facility / centre with NIL

- state recognition
- national recognition
- international recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies
NIL

22. Publications:

- * Number of papers published in peer reviewed journals (national / international)
18 – including conference proceeding
- * Monographs- Nil
- * Chapters in Books – 3
- * Edited Books – 2
- * Books with ISBN with details of publishers- 2
- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)- Nil
- * Citation Index – range / average – Nil
- * SNIP- Nil
- * SJR- Nil
- * Impact Factor – range / average - Nil
- * h-index – Nil

Also, fill out information in the table below.

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2012	International Journal	NIL		
	National Journal	1.	Title of the Paper: Managing Attrition in Retail Authors: Priya Gupta, Alamelupriya. R and Angan Sengupta Name of the Journal: <i>Review of HRM</i> Month and Year of Publication: April 2013 Volume No. 2(1) Page No. 247-262	NIL
	International Conference (Proceedings)	1.	Title of the Paper: Marketers Are Finding New Strategy through Innovative Marketing Communications, Will Consumer Respond? An Empirical Study Authors: Dr. Pooja Sharma	

			Name of the Conference: International Conference Convergence 2013 Role of Innovation in Business Duration of the Conference: 2 days (16th and 17th May 2013) Name of the Organizer: IFIM Conference Venue: Bangalore Page No: Proceedings Published By: Yet to receive	
	National Conference (Proceedings)	1.	Title of the Paper: Factors Influencing Sales Efficiency of Automotive Sector In India: A Panel Data Analysis Authors: Dr. Pooja Sharma , Dr. Amalendu Jyotishi, Mr. Rajkumar M and Mr. Dheeraj K Name of the Conference: National Conference on Recent Trends in Marketing - Opportunities and Challenges Duration of the Conference: 1 day (20th Feb 2013) Name of the Organizer: NIT Conference Venue: Trichirappalli Page No: 38 Proceedings Published By: NIT	
2011	International Journal	1.	Title of the Paper: Role of third sector in development of drought prone region: Insights from Kachchh, Gujarat Authors: Deepika M. G. and Jyotishi Amalendu Name of the Journal: <i>International NGO Journal</i> Month and Year of Publication: 2011 Volume No. Vol. 6(8) 1. Page No.	
	National Journal	1.	Title of the Paper: Technical Efficiency Analysis for Decision-Making Process: A Case of an Air-Conditioner Manufacturing Company Authors: Satynarayanan, J., Jyotishi Amalendu, & E. Meera Name of the Journal: <i>NICE Journal</i> Month and Year of Publication: 2011 Volume No. 6 (1) Page No.	

International Conference (Proceedings)	2	Title of the Paper: Nano's revival strategy : A platform for further innovation Authors: Deepika M G Name of the Journal: <i>Marketing Master Mind</i> Month and Year of Publication: August 2011	
	3	Title of the Paper: Re- Branding Bajaj Dropping the family name from the two wheeler segment Authors: Dr.Pooja Sharma , Dr. Deepika M G Name of the Book: <i>Case Studies in Management : Theory to Practice</i> Month and Year of Publication: 2012 ISBN : 978-81-920730-1-9 Page No: 73-78	
	1.	Title of the Paper: <i>Institutionalizing Common Pool Resources: Insights from Tawa Fisheries Cooperative</i> Authors: Jyotishi Amalendu Name of the Conference: Thirteenth Biennial Conference of the International Association for the Study of Commons Duration of the Conference: January 10-14, 2011 Name of the Organizer: Foundation for Ecological Security with IASC Conference Venue: Hyderabad, India Page No: Proceedings Published By:	
	2.	Title of the Paper: <i>The Role of Microfinance in Poverty Alleviation and Women Empowerment: The Case of Kudumbashree in Kerala</i> Authors: Sigi M D, Deepika MG and Amalendu Jyotishi Name of the Conference: 4th International Conference on Micro Finance Duration of the Conference: 27th-29th January 2011 Name of the Organizer: School of Management, Pondicherry University Conference Venue: School of Management, Pondicherry University Page No: Proceedings Published By: Vijay Nicole	

		3	Title of the Paper: Re- Branding Bajaj Dropping the family name from the two wheeler segment Authors: Dr.Pooja Sharma , Dr. Deepika M G Name of the Book: <i>Case Studies in Management : Theory to Practice</i> Month and Year of Publication: 2012 ISBN : 978-81-920730-1-9 Page No: 73-78	
		4.	Title of the Paper: The Forest and the Trees: Delineating the Protected Area Debate in India Authors: Amalendu Jyotishi Name of the Conference: Jubilee Congress of the Commission on Legal Pluralism Duration of the Conference: 8th and 10th of September 2011 Name of the Organizer: University of Cape Town, South Africa Conference Venue: University of Cape Town, South Africa Page No: Proceedings Published By:	
2010	National Journal	1.	Title of the Paper: Growth Prospects for the Automation Industry in India: An Exploration Authors: Jyotishi Amalendu and Vikas Kumar Name of the Journal: Marketing Mastermind Month and Year of Publication: November 2010 Volume No. Issue 11 Page No.	
		2.	Title of the Paper: Indian Agriculture Sector: Promises and Prospects Authors: Jyotishi Amalendu Name of the Journal: The Analyst Month and Year of Publication: January 2010 Volume No. Issue 1 Page No.	
			Title of the Paper: Employee –Buy-Out and participatory Management : the case of Kanan Devan hills plantation company Authors: Deepika M G Name of the Journal: <i>Economic and</i>	

			<i>Political weekly</i> Month and Year of Publication: <i>Sep 2010</i> Volume No. XLV-No.37 Page No. 63-72	
			Title of the Paper: Exporting organic agriculture commodities prospects and challenges Authors: Deepika M G Name of the Journal: Marketing Mater Mind Month and Year of Publication: <i>Sep 2010</i> Volume No. Page No. 12-15	
	National Conference (Proceedings)	1.	Title of the Paper: Revisiting Protected Area Debate Authors: Jyotishi Amalendu Name of the Conference: National Seminar on Forest and Livelihood Systems in Orissa Duration of the Conference: 18 th and 19 th March 2010 Name of the Organizer: PG Department of Economics (Autonomous) Sambalpur University Conference Venue: PG Department of Economics (Autonomous) Sambalpur University Page No: Proceedings Published By:	
		2.	Title of the Paper: Indian Agriculture Sector Towards Food Security: Some Policy Issues Authors: Jyotishi Amalendu Name of the Conference: National Seminar on Food Security Issues in the era of Globalization Duration of the Conference: 29 th and 30 th March 2010 Name of the Organizer: Department of Economics University of Hyderabad Conference Venue: Department of Economics University of Hyderabad Page No: Proceedings Published By:	
		3.	Title of the Paper: Livelihood Issues in Arid Ecosystem: A study on Kachchh Authors: Jyotishi Amalendu, S Usha Nandhin and Deepika M G	

			Name of the Conference: SKILLS2010, International Working Conference for the Track: Life and Livelihood skills and Employment Duration of the Conference: 17 th of December 2010 Name of the Organizer: Conference Venue: Hyderabad Page No: Proceedings Published By:	
	Book Publication		1) Alia Ahmed, Amalendu Jyotishi and Iftekharul Haque written and edited, 2012, “Community Management of Inland Fisheries: A Study of CBFM in Bangladesh and TMS in India” , Published by Mullick Brothers, Dhaka. 3. 2) Amalendu Jyotishi , Sushanta Mahapatra and Maarten Bavinck edited (Proceeding Book), 2012, “Legal Pluralism in Natural Resource Management: South and Southeast Asian Perspective” , Published by Excel Publisher, New Delhi.	

23. Details of patents and income generated **NIL**

24. Areas of consultancy and income generated **NIL**

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad **NIL**

26. Faculty serving in

aa) National committees b) International committees c) Editorial Boards d) any other (please specify)

S. No.	Name of the Faculty		Name of the Professional Body / Society
1	Dr. Amalendu Jyotishi	Professional Body	International Association for Commons
			Commission on Legal Pluralism
			Coordinator of Asian Initiative on Legal Pluralism
			Indian Society for Ecological Economics
		Reviewer	Ecological Economics

			Voluntas
			World Development
			Fruits
			ICFAI Journal of Applied Finance
2	Dr. Deepika M G	Professional Body	International Association for Commons
			Commission on Legal Pluralism
			Coordinator of Asian Initiative on Legal Pluralism
			Indian Society for Ecological Economics
3	Dr. Pooja Sharma	Reviewer	Journal International Academy of Business and Economics

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions**

S. No.	School Name	Department Name	Programme Name	Dates: (DD/MM/Y Y to DD/MM/Y Y)	# Attendees	Location / Venue
1	Department of Management	Bangalore Campus	Active Learning Program in Collaboration with IIM Ranchi	22 nd Jan 2011	22	Department of Management – Bangalore Campus
2	Department of Management	Bangalore Campus	Cross Culture and Change Management and Leadership Transition	14 th March 2011	20	Department of Management – Bangalore Campus
3	Department of Management	Bangalore Campus	SYMLOG workshop	1 st July 2011	22	Department of Management – Bangalore Campus

****Attach separate list of faculty names, designations, and department/school names.**

Participation of Amrita Faculty in Faculty Development Programmes conducted **by Other Institutions**

S. No.	Name of Institution	Location	Programme Name / Brief	Dates: (DD/MM/Y)	# Amrita Faculty

	organizing the programme		Description	Y to DD/MM/YY)	Participants
1	International Association for Study of commons and Foundation for Ecological Security	Hyderabad	Thirteenth Biennial Conference of the International Association for the Study	10 th Jan to 14 th Jan 2011	Dr. Amalendu Jyotishi
2	Life and Livelihood skills and Employment	Hyderabad	"Livelihood Issues in Arid Ecosystem: A study on Kachchh" was presented in the SKILLS2010, International Working Conference	17 th Dec 2010	Dr. Amalendu Jyotishi Dr. S Usha Nandini
3	Dhruva International Case Competition	Hyderabad	Presented a case on “ Rebranding Bajaj: Dropping the family name from the two wheeler segment”	1 st Dec 2011	Dr. Deepika M G & Dr. Pooja Sharma
4	Department of Economics – Pondicherry University	Pondicherry	48 th Annual Conference Presented a paper titled “ Measuring technical efficiency in Tea Plantation in India : A panel data analysis	1 st March 2012 to 3 rd March 2012	Dr. Deepika M G & Dr. Amalendu Jyotishi
5	Strategic Management Society	San Diego	Dr. Doreswamy highlights need to switch to solar power at international conference organized in memory of C.K. Prahalad at San Diego	5 th August 2011	Dr. Doreswamy
6	Institute for	Bangalore	Attended	16 th Aug	Ms. Priya

	social and economic change		Training workshop on Qualitative data analysis for population studies	2011 to 20 th Aug 2011	Gupta
7	CII	Bangalore	Attended 7 th India Innovation Submit	8 th Sep 2011	Ms. Priya Gupta
8	IIM – A Alumni Association	Chennai	Attended conference on Rethinking Management education with innovation and creativity	29 th Oct 2011	Ms. Priya Gupta
9	CII	Bangalore	Attended Conference on cost congress	8 th Dec 2011 to 9 th Dec 2011	Dr. Usha Nandini & Dr. Doreswamy A G
10	CII	Bangalore	Attended conference on Lean green and safe manufacturing	19 th Oct 2011 to 20 th Oct 2011	Dr. Usha Nandini & Dr. Doreswamy A G
11	Bangalore International Exhibition center	Bangalore	Attended Exhibition EXCON – 2011	23 rd Nov 2011 to 27 th Nov 2011	Dr. Savita Bhat
12	IBS	Bangalore	International Conference on Finance and Economics Presented paper titled “ Financial inclusion and poverty alleviation : An alternative state /led microfinance and micro enterprise model of kudumbashree in kerala, India with Sigi MD	19 th Jan 2012 to 10 th Jan 2012	Dr. Deepika MG
13	University of	South Africa	Jubilee congress	8 th Sep 2011	Dr.

	Cape town – South Africa		of the commission on legal pluralism. Presented paper titled “The forest and tress :Delineating the protected area debated in India”	to 10 th Sep 2011	Amalendu Jyotishi
14	AACSB	Delhi	4 th International conference on accreditation	7 th Nov to 8 th Nov 2011	Dr. Amlendu Jyotishi and Mr.Manoj P
15	Indian Econometric Society	Pondicherry	48 th Annual conference of Indian Econometric Society Paper presented titled “Performance of MSE’s in India: A panel data analysis	9 th Nov 2011	Dr. Amalendu Jyotishi

***Attach separate list of faculty names, designations, and department/school names.

Total number of seminars/workshops conducted:

S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants	Source of Funding	Seminar / Workshop Outcome
1.	Cross-cultural & Change Management, and Leadership Transition	14 th March, 2011	25	Self Financed and MDP Fees from the participants	Training imparted on the topics covered to all the participants

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities / industry / institute

As part of their curriculum every student will do a 6 credit Summer project after trimester – 3 in addition to that every subject has a mini project.

29. Awards / recognitions received at the national and international level by

S. No.	Name and Designation of the Staff member	Name of the Award / Recognition received	Name of the Agency	Month & Year of receiving the award / recognition
1.	Dr. Amalendu Jyotishi	VKRV Rao Memorial Award	Institute for Social and Economic Change	20 th January 2011 for Best PhD Thesis in Economics produced during the period 2005-10.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. NIL

31. Code of ethics for research followed by the departments

Yes university follows the Code of ethics for research (No plagiarism and maintain proper reference and citation etc)

32. Student profile programme-wise:

Available in University Admissions Office

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MBA –MS (2013 Batch)	20	20	50	10
MBA –MS (2012 Batch)	15	10	60	15
MBA –MS (2011 Batch)	15	10	70	5
MBA –MS (2010 Batch)	20	20	45	15
MBA –MS (2009 Batch)	15	15	60	10

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

For students with admission status active during the report period:

S. No.	School Name	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SLET qualified	# qualified in

				d			d	other exams
1	Department of Management (2013 batch)	Bangalore Campus	NIL	NIL	NIL	16	NIL	GMAT – 2 XAT – 8 MAT – 21
2	Department of Management (2012 batch)	Bangalore Campus	NIL	NIL	NIL	15	NIL	MAT – 21

For passed out students who got the NET/SLET/GATE etc results during the report period:

S. No.	School Name	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SLET qualified	# qualified in other exams
1	Department of Management (2010 batch)	Bangalore Campus	NIL	NIL	NIL	15	NIL	MAT – 21
2	Department of Management (2011 batch)	Bangalore Campus	NIL	NIL	NIL	23	NIL	MAT – 17 GRE – 1

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	100%
- Campus selection - Other than campus recruitment	
Entrepreneurs	1

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	NIL
from other universities within the State	1
from universities from other States	4
from universities outside the country	1

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

S. No.	Name of faculty	Name of Advanced Degree (include specialization)	Month & Year of Passing
1.	Mrs. Priya Gupta	Ph.D Sociology	Thesis Submitted in the Year (April) 2012 Viva is due

38. Present details of departmental infrastructural facilities with regard to

- Library : New Library Block: Library with Reading Hall has been shifted to 4th Floor of the New Academic Block (E-Block) on 28th December 2011 with more facilities. The library occupy over 1213 Square meter and provide students with access to a vast repository of resources not only in the form of print but also in e-resources. Library website: E-resources & other library resources and services information given in the library website. Overnight issue of Reference Books & Issue of CD's /DVD's
- Internet facilities for staff and students: Yes, Internet facility is available also the campus has Wi-Fi facility available for faculty, Staff and students 24 hours basis
- Total number of class rooms: 6 Executive Class rooms, Auditorium, Internet room, Staff and faculty room,
- Class rooms with ICT facility: All the class rooms are Executive class rooms with all Audio-Video facilities and Wi-Fi internet connection.
- Students' laboratories : Internet room with Wi-Fi connection on 24 hrs basis
- Research laboratories : **NA**

39. List of doctoral, post-doctoral students and Research Associates : **NA**

- from the host institution/university
- from other institutions/universities

40. Number of post graduate students getting financial assistance from the university.
NIL

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.
NA

42. Does the department obtain feedback from

rr. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Dept of management have one common curriculum review committee for all 4 campuses. which review the curriculum on regular basis and take collective decision for any changes. Also all common core courses taught across the four campuses have one chief course coordinator along with the coordinators from other campus. Every trimester individual courses is reviewed by the respective course coordinator at different campus.

ss. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, all the courses follow a system of continuous evaluations. Courses taught at our school are assessed by the students via a Course and Faculty Feedback

Form which is filled by the students at the end of the course. These filled up feedback forms and the results of the feedback are shared with all the concerned faculty members so that they can learn from the feedback and improve in their course delivery.

tt. alumni and employers on the programmes offered and how does the department utilize the feedback?

We get the feedback and testimonial from alumni and forward the relevant suggestions to the higher authority for final decision.

43. List the distinguished alumni of the department (maximum 10)

- Satyanarayan J (batch 2009-11)
- Vikas Kumar Pandey (batch 2009-11)
- Varun U (batch 2010-12)
- Siddharth Menon (batch 2009-11)
- Poornima Pandey (batch 2009-11)
- Vivek Krishnan (batch 2009-11)
- Vijay Nagrajan (batch 2010-12)
- Aarthi Ramakrishnan (batch 2010-12)
- Abhirami Nambiar (batch 2010-12)

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S. No.	Name of Expert Resource	Topic	Date
1	Mr.Lokesh Payik, Technical Assistant to MD,Bosch India	"Corporate Strategy Planning"	28 February, 2012
2	Mr.Mrutyunjay M, Co- Founder - Juxt Consultancy	Scope of Market Research, Choosing a Career	13 February, 2012
3	Mr.Rajib Saha, Senior Software Engineer, Samsung Software India	Mobile domain and Business	11 February, 2012
4	Mr.Sam Pitroda, Member of National Knowledge Commission	"Entrepreneurship"	01 February, 2012
5	Mr.Vishu Hegde, Consultant & Motivational Speaker	"Managing Stress by understanding its nature,the responses of body and mind, impact on overrall health.Techniques to De- Stress"	06 December, 2011
6	Mr.Symalendu Potra, Executive at Anand Rathi	"Stock Markets"on 12	November, 2011
7	Mr.Digambar Deshpande, Chief Operating Officer–Tata Metallics on	Importance of Values and Ethics on	05 November, 2011

8	Mr.Suhas Gopinath, Chairman and CEO, Globals on	Entrepreneurship	02 November, 2011
9	Mr.Vinu Nair, Managing Partner, Antal international, Chennai	"Alternate Career Paths & Pre Sales" on	22 October, 2011
10	Harvard University Professors on	INNOVATION – ESSENTIALS via Video conferencing	19 October, 2011
11	Swami Dhyanamrita conducted two day workshop on	DON'T STEAL MY CHAPPALS from	14 October, 2011 to 15 October, 2011
12	Dr. Jay Srinivasan, CEO RedMed (Entrepreneur) on	Know yourself - What do you want to do in Life?	16 September, 2011
13	Dr. S.Ramanujam, Executive Vice President- Group Taxation, UB Group	"Humour in Taxation"	7 September, 2011.
14	Dr. Diana Wais, Ph.D. from SUNY Buffalo and MS from Stanford University on	Emotional Intelligence - E.Q. overtakes I.Q. in determining the ideal leader via Video conferencing.	1 September, 2011.
15	Dr. Karmeshu, Post Doctorate	"Bass model used in Economic decision making" via Video conferencing.	25 August, 2011
16	Dr. T. S. Mohan, Head, Education and Research of Infosys Bengaluru	Cloud Computing	20 August, 2011
17	Mr. Aditya Singhal, Executive Assistant to the CEO of TVS Interconnect Systems and Opportunities Ahead on 29 July , 2011	Financial Management- Concepts	14 August, 2011
18	Mr.Ragunath S Iyer, Management Consultant, IBM	"The Changing Realities in the world of work and careers".	8 August, 2011
19	Dr. Christian D Chandramohan Global Co- ordination & Special Project Management at Nokia Siemens Networks	"Corporate Growth"	07 July, 2011.

20	Dr. Chandil Kumar Gunashekara Chief Operating Officer-Narayana Hrudayalaya Diagnostic Services on "Broad and open ended on Healthcare Industry in India" on 15 July, 2011.	on Healthcare Industry in India"	15 July, 2011.
21	21. Mr. Shankar Narayanan Director of Corporate Startegy and Corporate Development at Advanced Micro Devices	"A primer on the Stock Market"	10 July, 2011.
22	Mr.Santhosh Bhargava, Vice President, Capgemini Consulting India Pvt Ltd	"IT industry in India - Achievements & Challenges".	2 July, 2011.
23	Mr.Gopinathan, President- Applications , Mphasis	"Global delivery Applications Services - A primer"	15 June, 2011.
24	Brig.LalitMalhotra, Director MDC, Ashok Leyland	"Developing Competitive Edge for Facing Interviews and GDs".	15 July, 2011.
25	Dr.MarenDuvendack, Overseas Development Group on	Smoke & Mirrors? MicroFinance Impact Evaluations: Thoughts from a study in India.	1 June, 2011.
26	Dr.AnanadAnandhkumar, Chairman & MD, Cellworks Research India Private Ltd on	Trends in India for Gen-X.	16 May, 2011.
27	Mr.Ragunath S Iyer, Management Consultant, IBM	"The Changing Realities in the world of work and careers".	2 May , 2011.
28	Mr.Parthasarathy N S, CEO, MindTree	"Experience of starting MindTree".	4-Apr-11
29	Mr.Narayanan,Lead, Research Initiatives	" Internet Security".	28-Mar-11
30	Mr. K B Nagaraj, Ex -COO of TVS logistics	" Performing and Achieving in Organizations: A Holistic Approach".	4-Mar-11

31	Mr.Prasannavadhanan Thami, VC oracle financial services software ltd	"Relationship Management"	20-Feb-11
32	Mr.Lokesh Payik, Program Manager, Robert Bosch Engineering and Business Solutions.		14-Feb-11
33	Mr. M K Chandrashekar, Founder and COO , Thought Works	Insights of Marketing.	1-Feb-11
34	Ms.Kavitha, MD , Corporate Executive Board	on " Management Consultancy".	2-Jan-13

45. List the teaching methods adopted by the faculty for different programmes.
- Using audio and video methods
 - Case study analysis
 - Guest lecture and expert talks
 - Current updates from industry through article discussion
 - Report discussion
 - Live project
 - Introduce the video lecture (Harvard) for specific Concepts in Marketing Management and elective courses.
 - Live Project on New Product Development
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
Every course has a course outline which covers the course objective and learning outcomes . Management ensures the course outlines are shared with the students before the start of the class. The course objective largely covers
47. Highlight the participation of students and faculty in extension activities.
- Amalabharatham
 - Joy of giving
 - Visiting old age homes and orphanage
 - Clothes donation
 - Annadhanam during Amma's Visit to Bangalore
48. Give details of "beyond syllabus scholarly activities" of the department.
Management encourage students to participate in conferences/ workshop and seminar based on their interest and also students learn how to write paper with the faculty support. Example faculty –student collaborative research work.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
By NAAC Only
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

All the faculty at dept of management ensure and involves the innovation and updated knowledge to the courses.

Project based Learning approach is highlighting points which encourage student in writing research papers with faculty. All the faculty at department of mgmt Bangalore have published the presented paper in the conference with students

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

STRENGTH:

1. A well planned formal system of creating a course outline and faculty course evaluation has been created
2. All the courses follow a system of continuous evaluation process.
3. Clubs are formed and events are organized on a regular basis
4. Dept of management has a location advantage for inviting guest speaker and visiting faculty. Also more corporate exposure for students during industry visit.
5. At department level all the faculty are publishing in working Paper series and management encourage our faculty members and Doctoral students to come out with more research output

WEAKNESS:

1. Shortage of full time faculty (areas in Finance, Strategy, HR)
2. Lounge area for visitors from corporate, visiting faculty and parents visiting the campus no there in the present infrastructure

OPPORTUNITIES:

1. Opportunity to do faculty and students exchange programme with other international University.
2. There is immense opportunity to have more diversity in the student community. University should encourage more students from northern and north eastern part of India through appropriate advertising and awareness about the program.

CHALLENGES:

1. Commoditization of management education across the country and globe will create bigger challenge for the university in the long term .
2. University will constantly need to Differentiate our program to sustain and viable.

52. Future plans of the department.

- Conduct conference and workshop.
- Conduct more skill oriented and value oriented workshop for the students
- To recruit more qualified faculty.
- To work on better Infrastructure (classroom infrastructure, faculty individual cabin, lounge area for visitor etc.)
- Motivate the faculty to publish in SCOPUS listed journals.
- Motivate the staff participate in value oriented workshop

Amrita
Department of
Management –
Kochi

Evaluative Report of the Department of Management, Kochi 2013

1. Name of the Department : Department of Management, Kochi
2. Year of establishment: 2009
3. Is the Department part of a School/Faculty of the university? If so, specify.
Department under Amrita Vishwa Vidyapeetham, Kochi campus
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Programme Name	Programme Duration	Student Intake	Start Date
1	MBA	2 years	60	July 2009

5. Interdisciplinary programmes and departments involved Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
7. Details of programmes discontinued, if any, with reasons NIL
- 8.
9. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Trimester (6 trimesters over a span of 2 years)
10. Participation of the department in the courses offered by other departments
NIL
11. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Actual
Professor		NIL
Associate Professors		3
Asst. Professors		1
Others		4

12. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
Prof. Sunanda Muralidharan	M. B. A. (CUSAT)	Associate Professor and Chairperson	valuation, Mergers, Corporate and Financial Restructuring,	27 years	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
			Financial Instruments, Project Consultancy		
Dr. Sushanta Kumar Mahapatra	Ph. D. (Economics, Madras Institute of Development Studies through University of Madras), M. Phil., M. A. (Economics, Sambalpur University)	Associate Professor	Economics	16 years	2
Dr. Vivek Menon	B. E. (CSE, ASE-Bharathiar), PGDM (Systems and Finance, ASB), Ph. D. (Computer Science, AMRITA), CISA	Associate Professor -	Information Systems	12.5 years	1
Dr. V. Murale	PH.d(Management, Anna University, Chennai), M.Phil, M.B.A (Bharathiar University)	Assistant Professor	Organizational Behavior & Human Resource Management	10.5 years	Nil
Ms. Sandhya G.	MBA (ASB), B. Com.	Faculty Associate	Consumer Behaviour, Customer Relationship Management, Marketing Research, Services Marketing, Green Marketing, Green Consumer	12 years	Nil

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
			Behavior		
Remya Mohan	MBA (ASB), B.A.	Faculty Associate	Services Marketing, Rural Marketing, Digital Marketing	7 years	
Smitha G	MBA(ASB), B.com	Faculty Associate	Commercial Banking, Insurance, Risk Management, Corporate Governance, Strategic Management	8 years	

13. List of senior Visiting Fellows, adjunct faculty, emeritus professors

S.No	Name	Designation	Qualification	Campus
1	Mr.Kameswaran S	Visiting Faculty	M.Com, CA	Kochi
2	Prof. B Sukumaran	Visiting Faculty	BAL, M. Sc ,CIIB,CAIIB	Kochi
3	Prof. Abhijath	Visiting Faculty	B.Tech, PGDM	Kochi
4	Prof. Sateesh Krishnamoorthy	Visiting Faculty	MBA	Kochi
5	Adv. Sheela Prasad	Visiting Faculty	LLB	Kochi
6	Adv. Ganesh	Visiting Faculty	M.A.,(Economics) M.A.(SocialWork) LLB, LLM.)	Kochi
7	Dr. Ram Bishu	Visiting Faculty	Ph.D	Kochi
8	Dr.Kaushik Dutta	Visiting Faculty	B.Tech (IIT), PGDM (IIM), FPM(XLRI)	Kochi
9	Mr. Rajiv Krishnan	Visiting Faculty	B.Com, MBA	Kochi
10	Mr. Shijith Nambiar	Visiting Faculty	MBA	Kochi
11	Mr.Anantha Narayanan	Visiting Faculty	B.Sc(Engg), DMS, MIMA,MIIPE	Kochi

12	Dr. Promod Kulkarni.	Visiting Faculty	M.Sc., PGDM,	Kochi
13	Dr. V.Prakash	Visiting Faculty	B.Sc.,M.P.A, Ph.D(HR), UGC Research Fellow	Kochi
14	Mr.L.N.Krishnan	Visiting Faculty	PGDBM(IIM-A)	Kochi
15	Prof. Gopikumar	Visiting Faculty	B.Tech., PGDM, PFA	Kochi
16	Mr.Pradeep Menon	Visiting Faculty	B.E., PGDBM	Kochi

14. Percentage of classes taken by temporary faculty – programme-wise information
In house Faculty – 40% (approximate)
Temporary – 60% (approximate)

15. Programme-wise Student Teacher Ratio
15:1

16. Number of academic support staff (technical) and administrative staff: sanctioned, and actual

Designation	Sanctioned	Actual
Programme Coordinator		1 (administrative officer)
Executive Assistant		1
Admin Assistant		1

17. Research thrust areas as recognized by major funding agencies : NIL

18. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance	Duration of the Project*
1.	“A comprehensive analysis of the causes and level of multiple borrowing in India	Prof Sougata Ray and Dr. Sushanta Kumar Mahapatra	Amrita University	Rs. 27000	1 year
2.	“The Role of Rural Institutions in Enabling Adaptation to Climate Change in the Agricultural Sector across Different	Dr. Sushanta, Dr. Amalendu Jyotishi, Dr. Sridevi, Dr. Satyasiba	ICSSR	Rs 7,00,000	1 year

	Ecosystems in India”				

19. Inter-institutional collaborative projects and associated grants received NIL

20. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Climate Change Vulnerability and adaption	Dr. Sushanta, Dr. Amalendu Jyotishi, Dr. Sridevi, Dr. Satyasiba	ICSSR	7,00,000	1 year

21. Research facility / centre with NIL

- state recognition
- national recognition
- international recognition

22. Special research laboratories sponsored by / created by industry or corporate bodies
NIL

23. Publications:

- Number of papers published in peer reviewed journals (national / international) – 10
- Monographs – NA
- Chapters in Books - 1
- Books edited – 0
- Books with ISBN with details of publishers- 2
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, EBSCO host, etc.)- NA
- Citation Index – range / average – NA
- SNIP- NA
- SJR- NA
- Impact Factor – range / average - NA
- h-index - NA

Also, fill out information in the table below.

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2012-2013	International Journal	1.	Title of the Paper: Probabilistic Spatio-Temporal Retrieval in Smart Spaces Authors: Menon, V., Jayaraman, B., and Govindaraju, V Name of the Journal: Journal of Ambient Intelligence and Humanized Computing, Springer Month and Year of Publication: Mar	

			2013 Volume No. Page No.	
		2.	Title of the Paper: Managing Land and Water under Changing Climatic Conditions in India: A Critical Perspective", Authors: Mahapatra, Sushanta and Sudip Mitra Name of the Journal: Journal of Environmental Protection Month and Year of Publication: September 2012 Volume No. : Vol. 3 No. 9, pp. Page No. : 1054-1062	
	National Journal	1.	Title of the Paper: Dynamics of Irrigation Management and Interlinked Agrarian Relations: Empirical Findings from a Canal Irrigation Command in Odisha, India", Authors: Mahapatra, Sushanta Name of the Journal: Water Policy , Month and Year of Publication: Volume No.: 14, No 6 Page No. : 957-976	
	International Conference (Proceedings)	1.	Title of the Paper: ‘Spatio-Temporal Querying in Smart Spaces’, Authors: Menon V., Jayaraman B., and Govindaraju V Name of the Conference: Proc. of 3rd International Conference on Ambient Systems, Networks and Technologies (ANT-2012) Duration of the Conference: Aug 2012. Name of the Organizer: Elsevier Science, Conference Venue: Ontario, Canada, Page No: 366-373 Proceedings Published By: Elsevier Science	
	National Conference (Proceedings)	1.	Title of the Paper: “Legal Pluralism in Natural Resource Management: South and South-East Asian Perspectives” Authors: Jyotishi, Amalendu, Sushanta Mahapatra , Maarten Bavinck Eds	

			Name of the Conference: <i>Legal Pluralism in Natural Resource Management</i> (2012) Duration of the Conference: 30-31st March 2012 Name of the Organizer: Amrita School of Business, Amrita University, Coimbatore and Asian Initiative on Legal Pluralism and supported by Commission on Legal Pluralism, Netherlands Conference Venue: Amrita School of Business, Amrita University, Coimbatore Page No: Proceedings Published By: Excel India Publishers, 61/28	

24. Details of patents and income generated NIL

25. Areas of consultancy and income generated NIL

26. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad NIL

27. Faculty serving in

bb) National committees b) International committees c) Editorial Boards d) any other (please specify)

S. No.	Name of the Faculty		Name of the Professional Body / Society
1.	Dr. Murale	Editorial Board Member	International Journal of Research in Organizational Behaviour & HR
2.	Dr. Sushanta Kumar Mahapatra	Editorial Board Member	International Journal of Agricultural Extension
3.	Dr. Sushanta Kumar Mahapatra	Academic Referee	1) Sustainability Accounting, Management and Policy Journal. 2) NMIMS Management Review.

28. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs,

workshops, training programs and similar programs).

Faculty Development Programmes conducted **by Amrita Institutions**

S. No.	School Name	Department Name	Programme Name	Dates: (DD/MM/YYYY to DD/MM/YYYY)	# Attendees*	Location / Venue
1	Department of Management	Kochi Campus	Half Day Soft Skills Workshop	08/04/2013	18 (Local)	Department of Management – Kochi Campus
2	Department of Management	Kochi Campus	Corporate Theatre Workshop	12/08/2012	65 (Local)	Department of Management – Kochi Campus
3	Department of Management	Kochi Campus	Financial Modeling	16/08/2012	Local	Department of Management – Kochi Campus

Participation of Amrita Faculty in Faculty Development Programmes conducted **by Other Institutions**

S. No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates: (DD/MM/YYYY to DD/MM/YYYY)	# Amrita Faculty Participants***
01	Indian Institute of Technology,	Chennai	Teacher Leadership	09/10/2013-10/10/2012	Ms. Remya Mohan
02	South Asian Network for Development and Environmental Economics (SANDEE)	Bangkok, Thailand	Summer School in Environment and Resource Economics	29 th April to 17 th May 2013	Dr. Sushanta Mahapatra
03	Harvard Business Publishing & Case research society of India	Mumbai	Case method teaching seminar	30/05/2013-01/06/2013	Prof Sunanada Muralidharan & Dr. Vivek Menon
04	Malayala Manorama	Kochi	14th Malayala Manorama Budget Lecture	4 th March 2013	Dr. Sushanta Mahapatra

Total number of seminars/workshops conducted:

S. No.	Name of the Seminar / Workshop organized by the Department	Dates: (DD/MM/YY to DD/MM/YY)	Number of Participants	Source of Funding	Seminar / Workshop Outcome
1.	Half Day Soft Skills Workshop	08/04/2013	18 (Local)	Internal	Improve team building & communication skills.
2.	Corporate Theatre Workshop	12/08/2012	65 (Local)	Internal	Improve interpersonal skills for students
3.	Financial Modeling	16/08/2012	Local	Internal	To provide a practical experience

29. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities / industry / institute

As part of their curriculum, every student will do a 6 credit summer project after third trimester for 2 months in the industry. During this time student will have an internal guide (a faculty in their area) as well as an external guide from their respective company. In addition to that every subject has a mini project.

30. Awards / recognitions received at the national and international level by

S. No.	Name and Designation of the Staff member	Name of the Award / Recognition received	Name of the Agency	Month & Year of receiving the award / recognition
1.	Dr. Sushanta Mahapatra	European Commission Post-Doctoral Fellowship	Erasmus Mundus India 4EU II Programme, University of Bologna, Italy	2013-2014
2.	Dr. Vivek Menon	CISA	ICASA	04/04/2013

31. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. NIL

32. Code of ethics for research followed by the departments
Yes .33. Student profile programme-wise: **Information only available at HQ (ASB ettimadai)**

34. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MBA (2013 Batch)	30	34	36	0
MBA (2012 Batch)	16	27	57	0

35. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

For students with admission status active during the report period:

S. N o.	School Name	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SLET qualified	# qualified in other exams
1	Department of Management	Kochi	NIL	NIL	NIL	18	NIL	106 (consolidated for the two batches GMAT-2, MAT-105, XAT-1)

For passed out students who got the NET/SLET/GATE etc results during the report period: **NIL**

36. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	100%
- Campus selection - Other than campus recruitment	
Entrepreneurs	NIL

37. Diversity of staff

Percentage of faculty who are graduates	
of the same university	63 %
from other universities within the State	12 %
from universities from other States	25 %
from universities outside the country	

38. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

NIL

39. Present details of departmental infrastructural facilities with regard to

- a) Library : Library plays an important role in the dissemination of knowledge. In fact, the ambiance of the library reflects the quality of the education imparted by the university The Library DoM– Kochi campus started along with DoM, in the year 2009, serves as knowledge hub containing resources not only in print form but also in e-resources. DoM Kochi campus is less than 5 years, and has recognized the importance of the academic vibrations required in the library and has been developing in this direction, right from its very inception. The libraries occupies over 12.57 meters and provide students with access to a vast repository of resources not only in the form of print but also in e-resources.
- b) Library website: E-resources & other library resources and services information given in the library website.
- c) Overnight issue of Reference Books & Issue of CD's /DVD's . We have a collection of 2861 text books, subscribing 41 journal and magazines, and have an e –resource of 182 study materials.
- d) Internet facilities for staff and students: Yes, Internet facility is available & DoM campus have Wi-Fi facility available for faculty, Staff and students.
- e) Total number of class rooms: 2 classrooms, 1 conference room, 1 lab, 1 Staff and faculty room
- f) Class rooms with ICT facility: All the class rooms, lab and conference room have Audio-Video facilities and Wi-Fi internet connection.
- g) Students' laboratories : Internet room with Wi-Fi connection on 24 hrs basis
- h) Research laboratories : NA

40. List of doctoral, post-doctoral students and Research Associates :

- a) from the host institution/university
- b) from other institutions/universities

S. No .	Name of the Research Scholar	Previous Highest UG/PG Degree with Specialization	Name of the College/University (Previous Degree)	Institution where registered for PhD (Dept / School / Campus)	Name, Designation, & Institution of PhD Guide	Research Topic / Area
1.	Sandhya G	PGDM	Amrita Institute of Management. Amrita Vishwa Vidyapeetham (Deemed University)	Amrita University	Dr. Deepak Gupta, Amrita School of Business	Organic consumer behavior
2.	Remya Mohan	MBA - Marketing	Amrita School of Business, Amrita University	Amrita School of Business	Dr. Ramya Neelamegham	Digital Marketing

41. Number of post graduate students getting financial assistance from the university.
NIL

42. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.
NA

43. Does the department obtain feedback from
uu. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Dept of management have one common curriculum review committee for all 4 campuses, which review the curriculum on regular basis and take collective decision for any changes. Also all common core courses taught across the four campuses have one chief course coordinator along with the coordinators from other campus. Every trimester, individual courses are reviewed by the respective course coordinator at different campus.

vv. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, all the courses follow a system of continuous evaluations. Courses taught at our school are assessed by the students via a Course and Faculty Feedback Form which is filled by the students at the end of the course. These filled up feedback forms and the results of the feedback are shared with all the concerned faculty members so that they can learn from the feedback and improve in their course delivery.

ww. Alumni and employers on the programmes offered and how does the department utilize the feedback?

We get the feedback from alumni and forward the relevant suggestions to the higher authority for final decision.

44. List the distinguished alumni of the department (maximum 10)

1. Ritu Kumari – knowledge Management analyst At World Bank.
2. Vishnu M – Dell Inc. Quality Analyst
3. Epuru Thejesh – Amba Research- Analyst
4. Nirmal Sasidharan – Indian Bank (Asst. manager)
5. Meera Sreekumar- Ernst & Young
6. Harikrishnan – KPMG

45. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S.No.	Name of Expert Resource	Topic	Date
1	Mr. Prakash Dharmarajan	Corporate Theatre Workshop	12.8.2012.
2	Mr. Arjun Gopalakrishnan	Financial Modelling	16.8.2012
3	Mr. Sasikumar T	Positive attitude towards life & work	27.07.2012
4	M K Chandrasekar	MARKETING UNPLUGGED	01.11.2012

5	G. Karthikeyan - Speaker, Kerala Assembly	Colors of leadership	07.01.2013
6	Debashis Chatterjee - Director IIM,Kozhikode		
7	Kochouseph Chittilappilly		
8	M. P Veerendra Kumar		

46. List the teaching methods adopted by the faculty for different programmes.
- Using audio and video methods
 - Case study analysis
 - Guest lecture and expert talks
 - Current updates from industry through article discussion
 - Report discussion
 - Live project
47. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Every course has a course outline which covers the course objective and learning outcomes. Management ensures the course outlines are shared with the students before the start of the class. We follow continuous evaluation method to ensure that learning objectives are met.
48. Highlight the participation of students and faculty in extension activities.
- Amala bharatham
 - Amrita varsham – Volunteering for various duties during our Amma's birthday celebration
 - Visiting old age homes and orphanages
49. Give details of “beyond syllabus scholarly activities” of the department.
- Management encourage students to participate in conferences/ workshop and seminar based on their interest.
50. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
51. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- The entire faculty at Dept of Management ensures and involves the innovation and update knowledge to the courses.
- Project based Learning approach is encouraging students in writing research papers with faculty.
52. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
- Strengths**
1. Location advantage of being in the heart of the city facilitating colloquia from industrial experts and classes by experienced visiting faculty.
 2. Active collaboration with foreign universities for student and faculty exchange.
 3. Excellent faculty with industry exposure and good academic background
 4. Initiative taken by students to form different forums across functional areas,

Social Responsibility Forum and conducting the B-fest, Asthra, of DoM Kochi.

5. Faculty publications in Departments Working Paper Series, peer-reviewed national and international journals, and conference proceedings

Weakness

1. Need to recruit full time, experienced faculty with Ph.D.
2. Geographical and cultural orientation of students mostly restricted to Kerala.
3. Low proportion of students with work experience.

Opportunity:

1. More faculty and students exchange programs with international Universities.
2. Scope for getting more funded research projects.
3. Feasibility of starting an executive MBA program leveraging proximity to the business hub of Kochi with Infopark
4. Room for conducting more Management Development Programs and consulting projects to foster industry relations.
5. Starting an MBA program focusing on health care management.

Challenge

1. To increase our visibility to prospective students across the country
2. Need to position DoM , Kochi, as premier B school imparting value based management education.
3. Attracting more diverse students with work experience.

53. Future plans of the department.

- a) Greater student participation in B Fests and academic paper presentations/submissions
- b) 100% placements
- c) More faculty publications
- d) Faculty recruitment
- e) More industry and academic interaction by utilizing technology