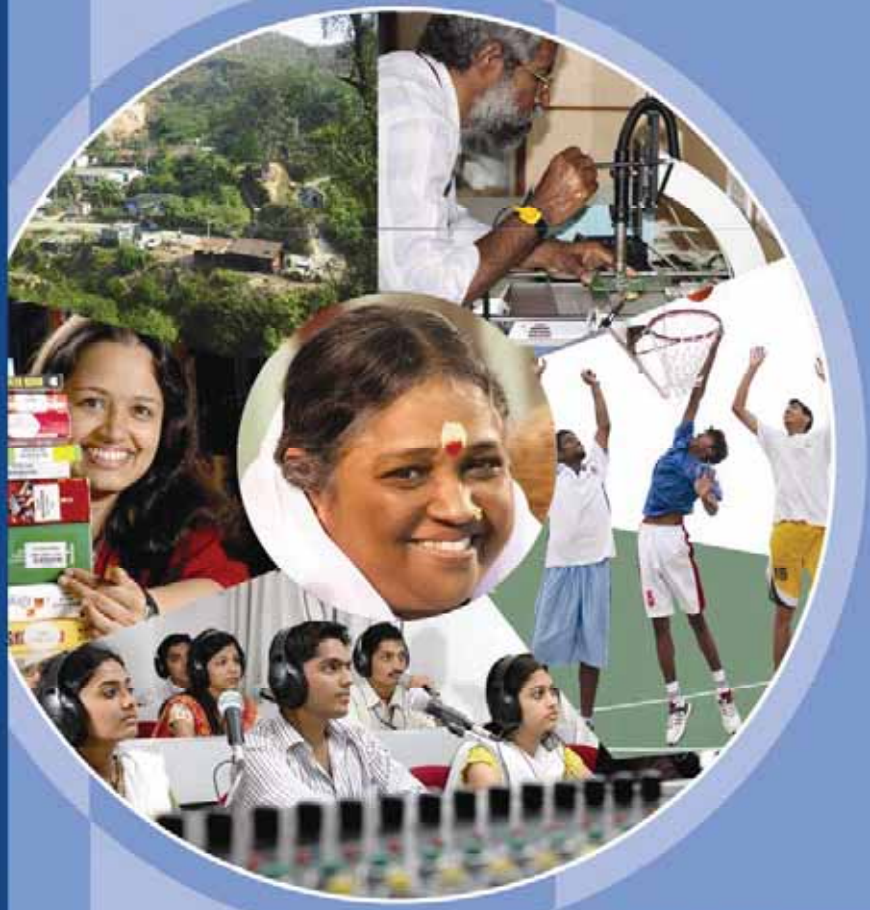
Annual Quality Assurance Report



2009 - 10

AMRITA
VISHWA VIDYAPEETHAM
UNIVERSITY

Annual Quality Assurance Report

Report Period: July2009-June2010

Amrita Vishwa Vidyapeetham

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Introduction & University-level Executive Summary

Annual Quality Assurance Report for Amrita Vishwa Vidyapeetham – 2008-2009

The Internal Quality Assurance Cell (IQAC) was set up in 2009, subsequent to the declaration of a rating of "A grade" by NAAC, in Feb 2009, for Amrita Vishwa Vidyapeetham. The roles & responsibilities, goals, objectivies, and a general plan of action were communicated to all the IQAC coordinators at the school and department levels, in a series of orientation sessions.

Subsequently, the **plan of action** chalked out at the beginning of the academic year (**July 2009 to June 2010**), towards quality enhancement, comprised the following salient points.

1. Address any perceiped gaps & findings from the NAAC inspection in September 2008.
2. Increase level of quality improvement awareness in all aspects of university administration and academic endeavors.
3. Establish new degree programs to meet current and future needs of society and industry.
4. Create and foster a tradition of innovation in the teaching-learning process.
5. Focus on achieving faster growth and excellence in research.
6. Encourage regular conduct of, and participation in, faculty development programs.
7. Encourage organization of, and participation in, technical and non-technical seminars/conferences/workshops.
8. Enhance the infrastructure with respect to buildings, library facilities, computing facilities, laboratories, etc.
9. Establish links to recognized international and national academic institutions, industries, and centers of excellence.
10. Encourage and motivate strong participation in co-curricular, extra-curricular, and community service activities among students.

During the orientation sessions for the IQAC coordinators, as well as in other forums, clear instructions were given to ensure that the strategies, plans, and activities, created based on a quality focus, were in alignment with the university's vision and mission statements. While the information presented below would reflect the same, it may be pointed out that one of the ways of instilling the institution's focus among the students, is via a mandatory course "Cultural Education" given to students during their first semester of study (irrespective of the program undertaken). Additionally, in striving towards the vision, and in upholding the mission, the university continuously provides opportunities to remind all the staff and students via cultural and spiritual activities organized through the year.

The **outcomes achieved** relative to the plan by the end of the report year are given below.

1. Two new UG programs, 25 new PG programs, Ph.D. Business Administration, and three certification courses were initiated in the year 2009-10. See List below.
   - **UG Programs – Kochi campus:** Pharm. D (Regular)
   - **UG Programs – Mysore campus:** B.Com.
   - **PG Programs – Amritapuri campus:** M.Tech. (CSE), M.Sc. Chemistry, M.Sc. Physics, M.Sc. Microbiology
   - **PG Programs – Coimbatore campus:** Ph.D. Business Administration
   - **PG Programs – Kochi campus:** MD Radiodiagnosis, MS General Surgery, DM Nephrology, DM Endocrinology, DM Cardiology, DM Gastroenterology, DM Neurology, M.Ch. CVTS, M.Ch. Neurosurgery, M.Ch. Urology, M.Sc. Diabetology & Diabetic Foot Surgery, M.Sc. in

Respiratory Therapy, M.Sc. in Medical Statistics, Pharm. D (P.B.), Prosthodontics, Periodontics, Conservative Dentistry, Oral & Maxillofacial Surgery

- **Certification Courses:** Pharmacy (Amrita School of Ayurveda), Panchakarma (Amrita School of Ayurveda), Dental Mechanics (Amrita School of Dentistry)

2. A total of **3392 students were awarded various degrees** (including UG, PG, and PhD) at the 7th convocation of Amrita Vishwa Vidyapeetham held in the year 2010, including M.Tech, MD, MS, and PhD.
3. **Innovative curricular changes** have been done for some of the programs, based on societal needs, professional benefits for graduates, and global best practices. Some examples include:
    a. **Save-a-year "programs":** The conduct of courses is designed in such a way that the low-performing students get additional opportunities to complete their degree program faster. A description of the system is given below:

    Conduct of courses: Credit system encourages learning. Apart from regular class lectures, students are given major assignments which form a part of the course and are also considered for evaluation. Seminars, design and other assignments, technical paper writing, quizzes etc. are also a part of the course being conducted.

    The teacher offering the course evaluates the performance of the students at regular intervals and in the end semester examination.

    A class committee exists comprising all teachers handling all the courses for the class, the class advisor and students` representatives.This committee monitors the conduct of all the courses of a class.

    A course committee comprising all teachers / mentors offering a course in all the campuses decides on the course plan, evaluation procedure and any midway correction to be taken. Decisions taken by this committee are informed to all students who have registered for the course. The class / course committee, without students` representative, finalizes the grades and results for the class / course.

    The following weights are assigned for the evaluation of the courses.

Type of Course	Percent Weight	
	Continuous Evaluation	End Semester Examination / Final Evaluation for Project
Lecture	50 (Minimum two Mandatory tests)	50
Laboratory / Practical	70	30
Project Work	40	60

There is a third test, where required, at the end of the semester in a subject exclusively for the students who have missed either one or both the periodical tests in that course. All periodical tests, including the third shall have equal weights. The third test is conducted before the end-semester examination covering the entire syllabus prescribed for the course.

Students who have missed both the periodical tests can compensate for only one of them. The third test is not a right and students who have abstained from any regular test(s) have to give a formal application for the third test substantiating the reasons for absence through the class advisor and the department chairman, to the Controller of Examinations for consideration.

If a student does not appear for any of the tests, he is not eligible to appear for the end semester examination and has to re-register for the course when offered next.

It is mandatory for the students to appear for the end semester examination / second chance examination for the completion of the course and score a minimum percentage as decided by the course / class committee.

If the Project work is not satisfactory, the student will be asked to continue the project till he / she completes it satisfactorily.

Additionally, the following opportunities are given to the low-performing students to progress towards their degree in a timely manner.

Supplementary Examination

A student who has secured an F grade in a course will be allowed to appear for a supplementary examination as per rules. However, FA grade students cannot write the supplementary examination examination.

Supplementary examination will be conducted shortly after publishing the results, as per the rules framed for the purpose. Students who were absent for the end semester examination may be permitted to appear for the supplementary examination. Permission to appear for the supplementary examination will be considered only on the request of the student, who should apply within a week of missing the examination giving genuine reasons for absence.

Permission to appear for the supplementary examination will be granted under valid reason by the Dean (Engineering) / Head of the Campus, on the recommendation of the Chairperson of the Department.

Remedial Measures (for the undergraduate programs in engineering & sciences)

1. Reregistration

A student who has not secured a pass grade in a course in the initial registration can register for the same course when offered next along with the junior batch. Students with FA grade are also permitted to register.

2. Contact Course

Students in the eighth semester with one or two arrears with F grade(s) can register for the contact course, if offered. The contact course will run for 45 / 60 hours of contact classes depending on the credit load of the course. Students with FA grade in a given course cannot register for the course under this option.

3. Re-Evaluation

Students who have not secured a pass grade even after registering twice for a course can opt for re-evaluation. No classes are conducted. Students with FA grade in a given course cannot register for the course under this option, or who have secured 50% or more marks in the internal assessment component can opt for this provision. Here the student can earn the credits for the course by appearing for the end-semester examination. Student with FA grade in a course cannot get a pass grade for the course by invoking this provision.

4. Vacation Course

Students who have registered earlier for a course and failed can register for a vacation course, if offered. This course will run for one month during vacation. Vacation courses can also be used as a fast track option for students, who have no arrears.

5. Runtime Re-do Course

A student (Second to Eighth Semester) who has not secured a pass grade can register for the Runtime Re-Do course, if offered. These courses run for rull semester and classes are held

daily in the eighth period on all working days except Wednesdays. Students with FA grade cannot register for Runtime Re-Do courses.

b. **Mentor System – class advisors and counselors:** Each class has one class advisor and three class counselors to help the students solve their problems and provide counsing and guidance for those that need it. They also monitor the progress of the students in their studies and report the same to their parents periodically.
c. Three new 1-credit courses on soft-skills were introduced – mandatory for all B.Tech. students, to improve the overall professional readiness of the students – language development, analytical ability, aptitude development, employability skills, computer skills, etc., are all covered in these courses.
d. Inclusion of "Bio-ethics" and "Biostatistics and epidemiological & research methodology" subjects in the MBBS curriculum.
e. For B.Sc. Nursing, "Genetics" is included as a subject (along with Pathology) in Second Year. The subject, "Maternity Nursing" (including Gynecological Nursing) was placed in Third and Fourth Year instead of Fourth Year alone.
f. In M.Sc. Physics, electives of current and futuristic relevance, like "Plasma Physics", "Space Physics", "Non-linear Dynamics", "Opto-electronics", & "Introduction to nano Physics & applications", are being offered. Additionally, the syllabi for various subjects have been suitably modified to support the students appearing for PG/PhD admission exams, such as, GATE, UGC-CSIR, and JEST.
g. The curriculum for dental mechanics course was designed after considering the curriculum of various national and international universities.
h. For B.Tech Chemical Engineering, revised the whole B.Tech curriculum in line with the overall objectives of the university.
i. Semester system has been introduced for B. Pharm course from 2010 onwards.
j. For B.Tech. Civil Engineering, two 2-credit courses were introduced to enable students to develop language skills, and to inculcate values and ethics. Electives are offered in three streams namely: Structural Engg., Water Resources & Environmental Engg., and Transportation and Geotechnical Engg.
k. The syllabi for these elective courses were framed based on the discussions with industries.
l. For B.Tech Mechanical Engineering, a list of innovations and curricular design modifications are listed in the table below.

S. No.	Description of Innovation	Benefits Achieved/Projected
1	Evaluation pattern was earlier set as 50% end semester exam and 50% continuous evaluation (which includes midterm exams, homework, quizzes, tutorials, class project, etc.). The weight given to continuous evaluation has been increased to 60%	To promote continuous learning & also to involve / motivate students towards learning
2	Machine Drawing - one credit for manual practice	Earlier, there was no manual practice, In the machine drawing course. Based on the feedback from the industries (placement) manual practice also included in the course.

3	Manufacturing Process Labs Fluid power / Fluid machinery Lab Instrumentation / Metrology Lab Metallurgy & Materials testing lab	No. of credits was increased to 2 from 1, to give more emphasis to hands on learning.
4	Seminar	One credit course is introduced to improve the presentation skills (oral & written) of the students
5	Science Electives	2 three credit courses are introduced in the curriculum to enable to students to understand the fundamentals of the basic science.
6	Humanities electives	2 two credit courses are introduced to develop language skills and to inculcate values and ethics
7	Department electives	Electives are offered in 3 streams namely: Design, Manufacturing and Thermal. The syllabi for these elective courses were framed based on the discussions with industries.
8	Management Elective	A separate elective in the management area is offered to the students in the 8th semester
9	The syllabus for the courses divided into 3 sections	To ensure uniformity in conducting the courses in all the 3 campuses.
10	Introduction of core course	Gas Dynamics and Jet Propulsion was offered as an elective earlier, now it is introduced as a core course
11	M.Tech Curriculum revision –Engineering Design	Curriculum revision is done every two years to include the latest developments.
12	Introduction of core course	Advanced Fluid Dynamics was introduced as a core course
13	Introduction of new electives	New electives like MEMS, Bio-MEMS and Medical Micro-devices, CAD in product development were introduced as the request from the industry
14	Course on cultural education	Non credit course to improve the moral values and ethics of the students
15	M.Tech Curriculum revision – Integrated Design and Manufacturing	Curriculum revision is done every two years to include the latest developments.
16	Introduction of core course	Courses on Finite Element Methods, DFMA were changed to core courses.
17	Introduction of new electives	New electives like on Statistical inference and DOE, Sustainability and

		Environmental issues in Product design and manufacturing, Embedded Systems, Mechatronics, & Advanced Metrology and Sensing Systems, were introduced to be in pace with the present industrial technologies.

m. For B.Tech Computer Science & Engineering & MCA, several innovative changes were incorporated into the curriculum and academic management as described in the tables below.

S. No.	School Name	Department Name	Description of Innovation	Date of Initiation (MM/YYYY)	Benefits Achieved/Projected
B.TECH CSE					
	Amrita School of Engineering	Computer Science and Engineering	2010 Admission onwards Subjects — Credits Science 14 Mathematics 16 Humanities & Languages 27 Engineering general 22 Engineering core 87 Project (1+10) 11 Total Credits 177 1. Curriculum fine tuned as per the latest recommendations of IEEE-ACM. 2. Structure and Interpretation of Computer Programs moved from Elective to Core, reference to MITOCW. 3. Software Engineering and Software Design and Modeling combined to Software Engineering Theory and Lab. 4. 1 credit courses have been added to supplement the core courses. 5. Elective Streams added: • Security • Embedded Systems 6. Electives Added: • High Performance computing • Business Intelligence (Industry supported course)	07/10	To expose students to the latest in technology and engineering To prepare students to take up jobs without having to spend much of time in training Electives have been introduced so that it would be easier for them to take up higher studies in specialized areas in Computer Science

			• Free and Open Source Software • Information Security • Information Coding Techniques • Embedded Programming		

MCA

Batch	Total Credits	Major Highlights / Motivation / Objectives	Benefits Achieved/Projected
2003-2006	137	1. Introduction of Value Education 2. Introduction of Mini Project in each semester	Changes to curriculum are made based on feedback from academia through BoS members, suggestion from experts in industry through the partnership cell, also from BoS experts representing from the industry. The changes are done to: To expose students to the latest in technology and engineering To prepare students to take up jobs without having to spend much of time in training Electives have been introduced so that it would be easier for them to take up higher studies in specialized areas in Computer Science
2004-2007	137	1. Subject code changed for Computer System Architecture and Object Oriented Programming (C++ and Java) 2. Introduction of "Visual Programming" under Elective I	
2005-2008	117	1. Reduction of Total Credits 2. All subject codes are changed with the common prefix 'CAxxx' 3. Introduction of 'Communicative English' 4. Exchange of courses between the semesters to streamline the order of study of the courses 5. Mini project / Term paper only in the fifth semester rather than in each semester	
2006-2009	115	1. Reduction of Total Credits to 115 2. Course codes assigned based on the course types Eg.: MA – Mathematics HU – Humanities CA – Computer Applications	
2010 onwards	116	1 Total Credits has been changed to 116. (English for professional communication has been assigned with 4 credits instead of 3) Semester 1: 1. The subject "MA281-Mathematical Foundation for computer applications" is changed as "MA281-Discrete Mathematics" 2. "CA205-Data Structure" has been moved from semester 1 to semester 2, instead "HU381-Financial accounting" is added from semester 3 to semester 1 3. The No credit course, "HU601-Self awareness & Personality	

		Development" is changed as "HU601-Cultural Education" Semester 2: 1. "CA204-Analysis and Design of Algorithms" is moved to Semester 3 as "CA303-Design and Analysis of Algorithms" 2. "CA208-Computer Networks" is moved to semester 3, instead "HU282-Principles of Economics and Management" is transferred from 5th semester to 2nd semester Semester 3: 1. "CA305-System Software" is changed as "CA307-Operating Systems" Semester 4: 1. "CA306-Principles of Compiler Design" is introduced instead of "CA306-Network Protocol, Management and Security" Semester 5: 1. "CA401-Service Oriented Architecture" is introduced Electives: • Electives are streamlined into the following categories and the list of subjects under each stream is mentioned o Database Stream o Network Stream o Web Technology Stream o Graphical and Visual Computing o Computational Sciences o System Programming o IT Essentials • The following new electives are added by removing some of the electives Advanced Computer Networks Pervasive Computing Data Analytics and Business Intelligence Management Information Systems Distributed Databases Network Management and System	

		Administration Embedded Systems Free and Open Source Software Principles of Digital Image Processing Mobile Communications Cryptography and Network Security Design Patterns Agile Programming (from 'Extreme Programming') The courses dropped from the elective list are: Distributed Computing Microprocessor Unix Internals Neural Networks Enterprise Resource Planning Software Architecture Computer Peripheral and Interfacing Component Technology and Design of System Programming Internals	

4. A total of **266 new faculty members** have been recruited during the report year, in various designations as listed in the table below.

Batch	Credits	Description of innovation
2010-2012 onwards	66 Credits	1. Foundation Core : 13 credits 2. Subject Core : 27 credits 3. Electives : 12 credits 4. Project Work (Major / Minor) : 14 credits 5. Cultural Education : P/F 6. Total : 66 Credits
		• Curriculum is fine tuned as per the recommendations of BOS experts, Industry and feedback from Alumni. • The Image processing paper offered as CV654 – Image Processing in 2008 curriculum is offered as two courses- CV652 - Digital image Processing CV653 - Image Analysis and Applications. • Computer Vision paper offered as CV655 – Computer Vision in 2008 curriculum is offered as two courses: CV655 - Computer Vision Cv656 - High Level Computer Vision. • New Core subject - Multidimensional Data Structures for Image Processing is introduced in the 2010 curriculum • The new list of electives is added. The electives are divided into streams. The new electives added to the curriculum are as follows: 1. Digital Video Processing 2. Embedded Systems and Sensors for Image Processing 3. Virtual Reality and Applications 4. 3D Modeling for Visualization 5. Cloud Computing 6. Data Hiding 7. Content Based Image and Video Retrieval 8. Geographic Information Systems 9. Computational Intelligence for Image Processing

Designation	Amritapuri	Bengaluru	Coimbatore	Kochi	Mysore	Total (for University)
Instructor				13		**13**
Jr. Lecturer			3			**3**
Lecturer	16	18	2	65	3	**102**
Sr. Lecturer	1			8		**8**

Assistant Prof.	10	11	17	65		**103**
Reader	1			3		**4**
Assoc. Prof.	1	1		10		**12**
Prof.	2	1	2	17		**21**
Total	**31**	**31**	**24**	**182**	**13**	**271**

5. With a clear target of achieving the status of a world-class academic institution, Amrita Vishwa Vidyapeetham has always encouraged, driven, and rewarded **research activities**, in various ways. The details are given in the school-wise and department-wise reports. However, the following university-wide summary shows that the significant accomplishments in terms of research-oriented objectives.
    - 117 National-level seminars/workshops/conferences conducted
    - 4 International seminars/workshops/conferences conducted
    - 25 Internal research projects initiated
    - 21 Internal research projects completed
    - 5 Patent applications
    - 9 Collaborative research projects initiated
    - In the **calendar year 2009**: **26 Books & Book Chapters**, **182 publications in International Journals**, and **153 publications in National Journals** were published (while the contributions from each academic unit of Amrita is including in the itemized AQAR below, the consolidated list is provided in Annexure I at the end of this report)
    - **174 Research scholars** engaged in active pursuit of research across diverse fields
    - **52 Research grants initiated**, totaling **Rs. 21.83 crores**, obtained

      A sample listing some of the most significant projects that were awarded the research grants is given in the table below (the full list is provided in the consolidated report further below):

Sl No	Department	Funding Agency	Project Title	Amount Sanctioned (INR)
1	Amrita School of Biotechnology	Department of Biotechnology, Govt. of India	Molecular dynamic studies of the homology model of an Insulin sensitive	2530000.00
2	Amrita School of Biotechnology	Department of Biotechnology, Govt. of India	High value bioactive products from Hippophae rhamnoids	2990000.00
3	Amrita School of Biotechnology	Department of Science & Technology, New Delhi	Studies on Organic Bulk Heterojunction Devices for Photovoltaic Solar Cell Applications	4900000.00
4	Amrita School of	DST-SERC,	Development of a three-phase hybrid filtering	1950000.00

	Engineering, Bengaluru	MHRD, Govt. of India	system with digital control	
5	Amrita Centre for Wireless Networks & Applications	DST New Delhi	Monitoring and Detection of Rainfall induced Landslide using an integrated wireless network system	4982000.00
6	Amrita Centre for Wireless Networks & Applications	MHRD	A Wireless Remote Sensing, Experimentation, Monitoring and Administration Lab	2500000.00
7	Amrita Centre for Wireless Networks & Applications	Department of Information Technology, New Delhi	National Knowledge Network (NKN) – A Gateway to a Global Classroom	20000000.00
8	Amrita School of Medicine	Department of Biotechnology, Govt. of India	Molecular Medicine	7000000.00
9	Amrita School of Medicine	Department of Biotechnology, Govt. of India	Molecular Medicine	5000000.00
10	Amrita Center for Computational Engineering & Networking	MHRD	Development of Language Tools and Resources for Statistical Machine Translation System	10000000.00
11	Amrita Center for Computational Engineering & Networking	MHRD	Mushare – Multiuser shared accessed platform for remote experimentation	2500000.00
12	Department of Chemical Engineering & Materials Science, Amrita School of Engineering, Coimbatore	DRDO	Development of New & Efficient Photosensitizers for Nano crystalline Dye Sensitized Solar Cells	6200000.00
13	AMMACHI Labs, Amritapuri	MHRD	Development of Vocational Education modules and the use of haptic devices for training (Pilot)	12500000.00
14	AMMACHI Labs, Amritapuri	MHRD	Development of Vocational Education modules and the use of haptic devices for training (Extended)	15900000.00
15	CREATE Labs, Amritapuri	MHRD	ERP National Mission Project	79700000.00

6. Throughout the year, the university supports the development of its faculty members' skills via sponsoring them to attend faculty development programs outside the university, and/or organizing such programs within the university. In all, a total of **769 instances** were recorded for the report period. *Note: One instance typically involves more than one faculty participating in the program.*
7. **Unit Cost of Education**: With its complex structure, geographically spanning over three states, and with multiple schools within a campus (within each state), Amrita University has a tradition of optimally utilizing its resources. Thus, resources (infrastructure and human) are often shared across multiple units (schools and departments) within each campus. Keeping this in mind, the unit cost of education has been calculated for the university as a whole, and for **2009-10**, this amounted to a value of **Rs. 1,67,490**/-.
8. **Placement Statistics**: Within a short period of time after its establishment, Amrita University has shown an impressive record of placement in its various units. The focus of the data given below is on three major units: Engineering, Business Administration, and Arts & Sciences.

	2008		2009		2010	
	Placed	**Percent**	**Placed**	**Percent**	**Placed**	**Percent**
Amrita School of Engineering	1213	95.4%	1318	86.0%	1263	89.4%
Amrita School of Business	115	100.0%	96	100.0%	118	100.0%
Amrita School of Arts and Science	146	69.5%	147	72.1%	95	69.9%

9. A total of about **Rs. 104.7 lakhs** has been spent in adding to books, journals and other **content for the libraries** of the university.
10. **Technology & Infrastructure upgrades:** With the continued rapid growth of the university numerous upgrades have been done across the university to cater to the growing programs. *Some* of the upgrades are listed below. The details are in the school-wise and department-wise reports.
    a. **Amrita School of Medicine – Kochi:**
        - Construction of additional Hostel Facility for the students who will be joining for the new courses and Guest Houses for the patients and bystanders is in the advanced stage of completion.
        - Department of Ophthalmology: Started following two new clinics by Vitreo Retinal Services, from 24-05-2010.
            1. Retinal Infections and Immunology Clinic: Annexe Ophthalmology OPD (Mon to Thu 09:00 am to 12:00noon)This clinic will cater to patients with systemic infections suffering from eye manifestations as well as immunological disorders involving the eye like SLE, Rheumatoid arthritis etc. Located close to medicine and infectious diseases OP in the Annexe, the clinic will be easily accessible by the patients there and entire evaluation of the eye including refraction, slit lamp examination, indirect ophthalmoscopy and fundus photography will be available.
            2. Pediatric Retina Clinic: Ophthalmology OPD (Tower 1, Floor-0) (Mon, Wed and Fri 2:00pm to04:30pm) - This clinic will cater to comprehensive examination of pediatric patients including refraction, eye examination and fundus examination. Examination of retinal abnormalities

associated with neurological diseases, genetic diseases, other pediatric fundus abnormalities and retinopathy of prematurity (ROP) screening will be done in this clinic. The clinic is held in the after noon to minimize the waiting time for our pediatric patients.

- Extended Services: For the benefit of visitors and staff working in night shifts, the service of the Fast Food Canteen made available round the clock (24 hrs) from 14th June 2010.
- Transportation: For the benefit of the staff, patients and visitors, KSRTC introduced new bus service to and fro to AIMS effect from April, 2010.

b. **Amrita Centre of Nanotechnology - Kochi:** Additional equipments and instruments worth approximately Rs. 1.5 crores have been installed.

c. **Amrita School of Biotechnology – Amritapuri:**

1. Ph.D database and research scholar's details were added to Ph.D module in AUMS (Amrita University Management System) software. Started using AUMS for course registration, examination, grade sheet generation, etc.
2. A fully equipped Bio Chemistry laboratory for the academic purpose and Phytochemistry lab for research, have been set up.

Name of Equipment	*Year of Purchase*
LB 940"MITHRAS HTS II " Multimode Reader	*2009*
Auto injecter valve 7 way Duo flow	*2009*
Nuaire DHD AutoFlow, Automatic CO2 incubator DHD with Decon Cycle –WET and HOT	*2009*
Olympus Trinocular Phase Contrast Microscope Model -CKX-41 Trinocular	*2009*
Synergy HT Multi detection Microplate	*2009*
Shimadzu Fourier Transform Infra Red	*2010*

d. Amrita College of Nursing - Kochi:

- A multipurpose hall with seating capacity of 300 students is being constructed in the fourth floor.
- Administrative sanction was obtained to extend the library space into the first floor.
- Two new advance nursing care mannequins worth Rs. 2.5 lakhs and one tracheostomy care simulator worth Rs. 48,000 have been procured for the Preclinical Lab.

e. **Amrita School of Pharmacy - Kochi:**

- E-learning classes are conducted regularly for M.Pharm. students (for access to expert resources from other campuses/schools of Amrita University).
- Student data and other academic matters are updated in AUMS (Amrita University Management System) software.

f. **Amrita School of Engineering - Coimbatore:**

- **Department of Aerospace Engineering – Coimbatore:** A new Aerodynamics Lab was been set up with an investment of Rs. 16 lakhs for a wind tunnerl.
- **Department of Chemical Engineering – Coimbatore:**
  1. Three new equipments have been procured for the heat transfer lab (work Rs. 1.65 lakhs).
  2. Three new labs have been set up: mechanical operations (Rs. 2.34 lakhs), mass transfer (Rs. 3.68 lakhs), and chemical reaction engineering (Rs. 2.64 lakhs).
  3. Other research equipment purchases are given in the table below.

Laboratory Name	Lab/Major Equipments	Laboratory Investment (in Rs.)
Materials Research – ISRO project	Yerzley Oscillograph (Rs. 1,67,911)	**Rs. 3,13,709/-**
Materials Research - DRDO Project	5KW Induction Heater And Accessories (K Type Thermocouple) (Rs. 7,35,000/-) Custom Built CVD Gas Handling System And Its Accessories (Rs. 3,00,000/-) Thermo Nicolet FT-IR Optical Spectrometer (Rs. 10,00,000/-)	**Rs. 23,37,435**

- **Department of Computer Science & Engineering:** A **new research lab** has been established for the CSE Department with a space of 47 sq.m. for the CVIP (Computer Vision & Imaging Processing) program at a cost of Rs. 2 lakhs.

11. **Links to recognized international & national organizations:** Under the leadership of the University's Vice-chancellor, Amrita has exhibited dynamic energy in continuing to set up Memoranda of Understanding (MoUs) with leading organizations within India as well as in other countries. A list is provided below.

MoU	Collaborator Indian	Collaborator USA	Signed date
Cyber Security, Cyber Crime and Cyber Forensics	AMRITA Vishwa Vidyapeetham (AMRITA University)	State University of New York (SUNY), Buffalo, USA	21st August 2009

Memorandum of agreement between School of Business, Amrita Vishwa Vidyapeetham(Amrita University) and School of Management, University at Buffalo, The State University of New York(SUNY) to offers dual masters degree programs in India	School of Business, AMRITA Vishwa Vidyapeetham (AMRITA University)	School of Management, University at Buffalo, The State University of New York(SUNY)	7th September 2009
Memorandum of Understanding among The Office of Global Health Education of the Weill Cornell Medical College of Cornell University and Amrita Institute of Medical Sciences	Amrita Institute of Medical Sciences (AIMS), Cochin	The Office of Global Health Education of the Weill Cornell Medical College of Cornell University, New York, N.Y.U.S.A	14th April 2010
Memorandum of Understanding between AMRITA University and The University at Buffalo School of Social Work	AMRITA Vishwa Vidyapeetham (AMRITA University)	The University at Buffalo School of Social Work	9th June 2010
Agreement of Cultural and Academic Cooperation between AMRITA UNIVERSITY and the Regents of the University of New Mexico	AMRITA Vishwa Vidyapeetham (AMRITA University)	The University of New Mexico	6/24/2010
Specific Agreement for student and faculty exchange Cooperation between AMRITA UNIVERSITY and the Regents of the University of New Mexico	AMRITA Vishwa Vidyapeetham (AMRITA University)	The University of New Mexico	6/24/2010
Memorandum of Understanding Between Uppsala university and Amrita University; Amrita-Uppsala University collaborative Initiative in Higher Education and Research	AMRITA Vishwa Vidyapeetham (AMRITA University)	Uppsala University, Sweden	10th April 2010
Memorandum of Understanding Between Amrita University and University Montpellier 2 France	AMRITA Vishwa Vidyapeetham (AMRITA University)	University Montpellier 2 France	

Willpower (Master's and PhD Programs)	AMRITA Vishwa Vidyapeetham (AMRITA University)	Université Libre de Bruxelles, Belgium Ecole Centrale Nantes, France Ecole Centrale Paris, France Supelec, France Technical University of Munich, Germany Politecnico di Milano, Italy Università degli Studi di Padova, Italy Politechnika Warszawska, Poland Universidad de Sevilla, Spain Universitat Politecnica de Catalunya Barcelona, Spain	2010
India4EU	AMRITA Vishwa Vidyapeetham (AMRITA University)	Politecnico di Torino, Italy; Alma Mater Studiorum - Università di Bologna, Italy; Grenoble Institute of Technology, France; Royal Institute of Technology of Stockholm (KTH), Sweden; Politecnico di Milano, Italy; Aachen University (RWTH), Germany; Helsinki University of Technology (TKK), Finland; University of Trento, Italy; Universidad Politécnica de Madrid (UPM), Spain;	2010

12. **Faculty Achievements:** The following is a **sample of the achievements** by faculty from various schools of Amrita Vishwa Vidyapeetham.
    a. The 2009 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'09) is one of the world's largest annual gathering of researchers. Over twenty international conferences such as those on Bioinformatics, Internet Computing, Security, Computer Graphics, Wireless Networks are all conducted simultaneously so as to promote interdisciplinary exchange of ideas. The conference organizers have **invited Amrita's Dr. Maneesha Ramesh to chair two sessions** in the International Conference on Wireless Networks. Dr. Maneesha leads Amrita's Indo-European research center for wireless networks. The center has deployed the first-ever wireless sensor network for predicting landslides in the hilly, landslide-prone area of Munnar in northern Kerala.
    b. Amrita's paper Real-Time Wireless Sensor Network for Landslide Detection was awarded a **top paper award** in the conference SENSORCOMM 2009 held in Athens, Greece. This Third International Conference on Sensor Technologies and Applications was co-sponsored by IARIA (International Academy, Research and Industry Association), specifically its Workgroup on Sensors and the IEEE Computer Society, Greece Chapter. The author of the paper, Dr. Maneesha Ramesh, was in Athens in June 2009 to present.

c. Dr. Jayakumar of Amrita Center for Nanosciences (ACNS), is co-editor of recently published books, **Chitin and Chitosan in Biomaterials Science: Current Research and Developments (Vol 1 & 2)**. At ACNS, Dr. Jayakumar has worked on research projects to investigate the use of chitin-based scaffolds. Currently he is engaged in a project funded by Department of Sciences and Technology — Preparation of Novel Biodegradable Chitin Scaffolds with Hydroxyapatite / ZnO Nanoparticles for Wound Dressing Applications. He has considerable research experience from universities in Korea, Portugal and Japan, and over 50 publications to his credit.

d. Amrita's HoD of Retinal Services (Amrita School of Medicine), Dr. Gopal S. Pillai, won the **first prize** for his **paper presentation** in the posterior segment free paper session at *Drishti 2009*, the 34th Annual Conference of the Kerala Society of Ophthalmic Surgeons, conducted in Kannur on November 29, 2009. The paper was titled — Results of Small Gauge Vitrectomy for Retinal Diseases: A Retrospective Analysis of 586 Cases.

e. Dr. Alice Kurien of the Amrita School of Dentistry was felicitated at the Indian Dental Association's Kerala Conference at Calicut in Dec 2009. The Bulletin of the Indian Dental Association received the **Best Dental Journal Award** at the Conference. Dr. Alice, the Bulletin's editor, received this award from the Honorable Health Minister, Smt. Sreemathi Teacher.

f. An international workshop was conducted in Bangkok, Thailand during December 18 – 20, 2009. Amrita's Dr. Maneesha Ramesh was one of two **institutional representatives** from India, invited to attend. This invitation-only workshop on The Establishment and Sustenance of a Network for Education and Research in Disaster Risk Management in South-East Asia was attended by all key players from Asia.

g. Energy Conservation Awards are given out in Kerala every year by the State Government's Energy Management Centre, in order to encourage and recognize energy conservation activities in the state. In 2009, Amrita's Dr. K. K. Sasi was selected to receive a **commendation certificate** by the award committee for his research and innovation efforts. Dr. Sasi is Professor and Vice-Chair of the Department of Electrical and Electronics Engineering at the Amrita School of Engineering at Coimbatore. Dr. Sasi received the award from the Electricity Minister of Kerala, Shri. A. K. Balan, at a function organized in Kannur to commemorate the National Energy Conservation Day on December 14. He was one of two individuals selected state-wide, to be **honored thus in the awards' Research and Innovation category**.

h. Amrita's Dr. V. Balakrishnan was honored with a **Lifetime Achievement Award** by the Indian Society of Gastroenterology in 2009. One of two individuals selected for this honor, Dr. Balakrishnan and his colleague, Dr. Habibullah, were India's first DMs in Gastroenterology. The award was presented to them at the Annual Conference of Gastroenterology, India's largest gathering of physicians and researchers, in the field of Gastroenterology, Hepatology, Endoscopy and Gastrointestinal Surgery. This year marked the golden jubilee celebrations of this annual conference.

i. Amrita's Dr. R. Jayakumar was in Malaysia in December 2009 for an **invited talk** titled Novel Natural Biopolymeric Nanomaterials in Medicine. As Associate Professor at the Amrita Center for Nanosciences and Molecular Medicine, Dr. Jayakumar conducts research on the development of biodegradable polymeric nanomaterials, nanofibers, gels, scaffolds and membranes for tissue engineering and drug delivery and wound dressing applications. Accordingly, he was invited to speak at the International Conference on Nanotechnology — Research and Commercialization, in Malaysia during December 14-17, 2009. Emerging Nanotechnology Enabling Scientific Discoveries and

Innovations for Wealth Creation was the theme of this conference organized by the Advanced Materials Research Center (AMREC) and SIRIM BERHAD.

j. Dr. Murali Rangarajan (Assoc. Prof., Dept of Chemical Engineerin & Materials Science, Amrita School of Engineering, Coimbatore) along with Dr. T. Ramachandran, Professor, Department of Chemistry and Dr. Krishnashree Achuthan, Professor, Department of Chemical Engineering and Materials Sciences initiated a project titled, "**Electrochemically Tailored Compliant Solder Materials for Flip-Chip Joining"**. The project **received a grant of Rs. 62.48 lakh** from the DRDO.

k. **Medical Statistics – Principles and Methods**, a new book **co-authored** by Amrita's Prof. K. R. Sundaram, was recently released at the Health Sciences Campus in Kochi, in Dec 2009. The book published by BI publishers, New Delhi, has 15 chapters that address all important aspects of statistical design and data analyses of research studies related to medicine and public health.

l. The new edition of Textbook of Forensic Medicine and Toxicology (15th ed.) has once again been **edited by Dr. V. V. Pillay**, Professor of Forensic Medicine and Toxicology at the Amrita School of Medicine, Kochi. The Textbook of Forensic Medicine and Toxicology is one of the most respected and referred-to texts for medical students on forensic medicine and toxicology in India. Dr. Pillay, with 6 sub-editors and 18 contributors from all over India, has created a text that has been lauded by many experts in the field of forensic medicine and toxicology. Dr. Pillay currently serves as the Head of the Department of Analytical Toxicology and the Chief of Poison Control Centre at the Amrita School of Medicine in Kochi. He has published over 70 papers in scientific journals, of which 17 are listed in PUBMED.

m. Faculty members from Amrita School of Medicine's ENT Department were recently honored at the 8th Annual Conference of the Association of Otolaryngologists of India, Kerala State Branch.
    - Dr. Vineeth Viswam's paper — **Stones, Bones, Moans … and Beyond** — was adjudged the best among eight consultant papers.
    - Out of 30 PG papers, the Gold Medal for best paper was won by Dr. Deepthi for her paper — **FESS – Are our patients satisfied?**
    - Dr. Deepthi was also recognized a second time, winning the Best Poster award for her poster on **Kashima's: The Balancing Act**.

n. A Text Book of Pharmacy Practice — is the name of the **new book authored** by Amrita's Dr. Revikumar, in collaboration with his mentor, Dr. B. D. Miglani. Currently Principal of the Amrita School of Pharmacy, Dr. Revikumar has had a professional association with Dr. B. D. Miglani of over two decades. The book was officially released on October 19, 2009, at a function organized at the Health Sciences Campus in Kochi. The first print edition of the book was completely sold out.

o. Prof. Sudhakar Menon Achath of the Amrita School of Business was chosen this year by the award jury for the Dewang Mehta **best teacher award** instituted in the memory of the late NASSCOM chief. The jury honored with the award for Best Teacher in Operations Management.

p. At the State Orthopaedics Conference at Palakkad held in Jan 2010, Dr. Ranjith Unnikrishnan of Amrita was **awarded the Prof. T. K. Surendran memorial gold medal** for his paper titled Anterior Vs Posterior Surgery in Thoracolumbar and Lumbar Adolescent Idiopathic Scoliosis: A Prospective Randomized Study. At the same conference, Amrita's Dr. Jiss Joseph Panakkal, Sr. Resident in Orthopaedics was a member of the winning team that won the **first prize** in the Kerala Ortho quiz.

q. Amrita's Dr. Ajit Kumar Varma was awarded the oration medal, a certificate and a plaque at the Dr. S. C. Mishra memorial oration contest conducted in Jan 2010 by CSM Medical University, previously King George Medical College, Lucknow. The contest was part of the 55th Foundation Day celebrations of the University. Dr. Varma was invited by the Head of Department of Surgery to take part in the contest. His 30-minute talk was titled, "Diabetic Foot — An Overview".

r. Amrita School of Medicine's Dr. Sebind Kumar, was awarded the 2nd place for his poster at the 3rd South Asian Regional Symposium on Evidence Informed Healthcare recently conducted at the Christian Medical College, Vellore, in Jan 2010. Dr. Sebind, MBBS, DPM, DNB, is Clinical Assistant Professor of Psychiatry at the Amrita School of Medicine. Titled, "**Modafinil for clozapine induced adverse effects in people with schizophrenia and schizoaffective disorders in remission: a randomized, placebo-controlled trial"**, Dr. Sebind's poster was selected from 53 other posters on various medical topics, from India and abroad.

s. Amrita School of Medicine's Dr. Sandeep Sreedharan, was awarded the **second prize** for the 2010 Niyamathullah Memorial Essay Competition, conducted by the Indian Society of Nephrology. The competition, open to post-graduate students (MD/DNB) of general medicine and pediatrics, saw participation from hundreds of young doctors from around the nation. Dr. Sandeep received the prize on February 14, 2010 from Dr. A.P.J. Abdul Kalam, at the Society's Annual Conference at JIPMER, Pondicherry.

t. Dr. Anupama, Assistant Professor in the Obstetrics and Gynecology Department at the Amrita School of Medicine, won the **best paper prize** in oncology at the Obstetrics and Gynecology Conference in Guwahati, in Jan 2010.

u. Amrita School of Pharmacy's Dr. B. Prabha Rao, was honored with the **Bharat Shiksha Ratna Award** on January 18, 2010 during the 30th National Seminar on *Individual Achievements and National Development* organized by the Global Society for Health and Educational Growth.

v. Amrita's Dr. S. Thirumalini became the second person from India to be honored with the **SAE Ralph R. Teetor Educational Award**, in Mar 2010. She was chosen along with six other distinguished professionals world-wide for the 2010 awards. In April 2010, Dr. Thirumalini travelled to the SAE 2010 World Congress in Detroit, Michigan, where she and received the award. She joined 800-odd engineering educators from over 200 universities world-wide that have received the award since its inception in 1953.

w. On May 4th 2010, Dr. K. S. Balaraman, Distinguished Professor of Chemical Engineering and Material Sciences at the Amrita School of Engineering in Coimbatore, was in Mumbai to receive an **award for outstanding achievement** at the World Expo 2010. Dr. Balaraman was one of a few individuals chosen from all over India to receive the 2010 Leadership and Excellence Awards. He was felicitated for his achievements and contributions in the energy conservation sector.

x. A paper titled **Effectiveness of Adaptive Learning with Interactive Animations and Simulations** was presented at the 2nd International Conference on Computer Engineering and Applications (ICCEA 2010) in Bali Island, Indonesia, in Mar 2010, by Mrs. Prema N. of Amrita Learning Lab, Amritapuri.

y. Dr. Deepthy Menon, Associate Professor at the Amrita Centre for Nanosciences and Molecular Medicine, was chosen for the prestigious **BOYSCAST fellowship award**, in Mar 2010. The BOYSCAST (Better Opportunities for Young Scientists in Chosen Areas of Science and Technology) fellowship, instituted by the DST is awarded each year to select Indian scientists for conducting advanced research in overseas research institutes of their choice.

z. Dr. Vinayan K. P., Clinical Professor in the Department of Neurology at the Amrita School of Medicine, was **appointed as a member of an international task force** for epilepsy in Apr 2010. Part of the International League against Epilepsy, the task force will strive towards advancing and disseminating knowledge about epilepsy, especially in children, and promoting research, education and training for its management.

aa. Dr. Shikha Goyal from the Department of Radiotherapy, Dr. Yatheesha B. L. from the Department of Pediatrics and Dr. P. Velammal from the Department of General Medicine were all recently honored with **gold medals** in Apr 2010.

bb. On March 5, 2010, Dr. K. K. Haridas of Amrita was conferred the title of **Fellow of Royal College of Physicians, Ireland** in Dublin. He was one of seven recipients world-wide to have received the honor this year. Dr. Haridas joined Amrita in 1998, when the super-specialty hospital Amrita Institute of Medical Sciences was inaugurated in Kochi. He was given the responsibility of leading Amrita's Heart Institute.

cc. Dr. Tufela Shafi, Vitreo-Retinal Fellow at the Department of Ophthalmology won the **best paper award** in the 61st Delhi Ophthalmic Society Conference at New Delhi, in May 2010. Her paper was titled — **Core Vitrectomy versus Near Total Vitrectomy with PVD induction and retinal surface cleaning in the visual outcome of postoperative endophthalmitis**.

dd. In May 2010, at the Delhi Ophthalmic Society Conference, Dr. Sujithra H. of the Department of Ophthalmology was awarded the best video presentation award for her video, *Amritakiranam*. Amritakiranam depicts a teleophthalmic approach to management of diabetic retinopathy in remote areas.

ee. Dr. Shikha Tripathi presented a paper titled - **Unified 3GPP and 3GPP2 Turbo Encoder FPGA Implementation Using Run-time Partial Reconfiguration** - at the 9th Wireless Telecommunications Symposium organized in Tampa, Florida, USA during April 21-23, 2010. Dr. Shikha undertook this research work with undergraduate students, Rishi Mathur and Jyoti Arya. At the conference, the paper won the **best paper award** in the category of contribution by undergraduate students.

ff. Amrita School of Biotechnology's Dr. Shyam Diwakar traveled to Singapore in June 2010, to speak at **Neuro Talk 2010**, a world congress of neuroscientists. Dr. Shyam's talk was part of the Neuromathematics, Neurophysics, Neuroinformatics and Computation Neurobiology track at the conference. Dr. Shyam was one of only eight speakers from India.

gg. **Probability and Statistics for Engineers**, **authored** by Dr. J. Ravichandran, Associate Professor in the Department of Mathematics at the Amrita School of Engineering in Coimbatore was released in June 2010, as a textbook for engineering students across the country.

hh. Dr. Binu Sasidharan, Fellow at the Department of Orthopedics won the Prof. P. A. Alexander Memorial **Gold Medal** at ARTHROCON 2010, an International Knee Symposium convened in Calicut in Jun 2010. The gold medal was awarded for his paper titled, "Analysis of Valgus Angle following Navigation for Total Knee Arthroplasty (TKA)", which was adjudged as the best paper in the conference.

13. **Student Achievements:** The following is a **sample of the achievements** by students from various schools of Amrita Vishwa Vidyapeetham. The full detailed lists are provided in each school-wise and department-wise report (including sports, co-curricular events, technical competitions, paper presentations, etc.).

    a. A student **paper authored** by B Tech (ECE) students of Amrita's Bangalore Campus was accepted for presentation at the Third International Conference on Anti-counterfeiting, Security, and Identification in Communication (ICASID 09) held at the City University of

Hong Kong, August 20-22. Amrita students, B. Sriram and R. Prashanth Iyer, travelled to Hong Kong in August 2009 to present their paper titled, "**Mark Sheet Authentication using 2D Barcodes and Digital Signatures**".

b. Amrita students and faculty recently traveled to Beijing in China to present five papers at the 2nd IEEE International Conference on Computer Science and Information Technology (ICCSIT) in Aug 2009.
   - Rajesh Kannan Megalingam, Shekhil Hassan T, Vivek P, Ashwin Mohan and Tanmay Rao M, **Power Consumption Reduction in CPU Datapath using a Novel Clocking Scheme**.
   - Rajesh Kannan Megalingam, Nived Krishnan, Arjun Ashok V and Arunkumar M, **Highly Power Efficient, Uncompromised Performance Cache Design Using Dual-Edged Clock**.
   - Rajesh Kannan Megalingam, Deepu K B, Iype P Joseph and Vandana Vikram, **Phased Set Associative Cache Design For Reduced Power Consumption**.
   - Aswathy Prasad, Kamya Krishnan, Karthika, Parvathy and Rajesh Kannan Megalingam, **Low Power Losssless Compression of Real Time Mpeg4 Video Encoding And Decoding Using Vhdl And Matlab**.
   - N. Lalithamani, Dr. K. P. Soman **An Effective Scheme for Generating Irrevocable Cryptographic Key from Cancelable Fingerprint Templates**.

c. Amrita's *Chakshuyaan*, (vehicle-with-eyes), was **adjudged the best project** at **TechTop 2009**, a national contest for engineering students organized in Thiruvanthapuram. Over 200 teams participated from all over India, in Aug 2009. Amrita's team (Shreyas Narsipur -Mech, Shibesh Dutta-ECE, Vandana Vikram-ECE, Raghu Menon-EEE, Apoorv Singhal-BBM and Sashi Sekhar-BBM) from the Amritapuri Campus **won the top prize**. The team carried home a cash award of Rs. 1 lakh.

d. In Aug 2009, final year Polymer Engineering students C. Raja Sundar, M. Aravind and B. Arun **received the first prize** and a cheque for Rs. 50,000 for their Design Project / Model titled, **Design and Fabrication of a Spin Coater Machine for Thin Film Coating and its Potential Applications**. The competition, organized by Bannari Amman Institute of Technology, Erode District in Tamil Nadu, drew 92 contestant teams from all over India. Subsequently, the Spin Coater Machine **also bagged the first prize** in a Project Design Contest at SHASTRA 09, an International Symposium organised by IIT Madras during Sep 30 – Oct 4, 2009. This time the students received a cash award of Rs. 15,000.

e. Students from four Amrita campuses won several prizes in the Computer Society of India's 25th National Student Convention (CSI-NSC) at Coimbatore on September 24 and 25. **First prize in Code Debugging Contest**, **first prize in Logical Reasoning Competition**, **second prize in Technical Quiz** — all these were won by Amrita students. Nearly 750 students from over 100 colleges nation-wide participated. **Reverse Engineering** — a paper written by Amrita Murali, Anjali Balakrishnan and Sreedhu Krishnan of the Dept of Computer Science, Amritapuri won the **best paper award** in the Software Engineering track. Amrita engineering students won **second best paper awards** in the Research Scholar track as well as the Networking and Cybersecurity tracks.* In addition, Apoorva Prabhu and Divya S. N., students of BCA (Bachelor of Computer Applications) in Mysore won the **third best paper award** for their paper on **Image Processing Techniques** in the Soft Computing track.

f. Arjun Menon, Sanju Sajan and Abhinav R., second-year students of B. Tech. (Mech.) from Amrita's Coimbatore campus were awarded the first prize in the Aero Modeling

Competition conducted as part of the Convention of the Society of Automotive Engineers (SAE), in Oct 2009.

g. Athira Krishnan, 2nd year BBM student at Amritapuri, published "*Ente Ezhuthammaykku*", a collection of 27 poems and a short story in Malayalam. It was released at a special function organized at the Amritapuri campus on November 3, 2009. Athira has won several awards in district and state level competitions. She was thrice honored by the Kavyodhaya award that has been instituted to encourage new poets.

h. Dr. Dnyanesh Lad and Dr. Kiran*, post-graduate students at the Amrita School of Medicine in Kochi, won laurels for their alma-mater when they placed second in the nation-wide orthopedics quiz at Bhubaneshwar, in Nov 2009.

i. Mr. Kannappan, MBBS student won the **Best Poster Award** (titled "Isolation and validation of biomarker MMP1 from salivary transcriptome for early diagnosis and prognosis of oral cancer") during the: ACBICON - 2009, the National Conference of Association of Clinical Biochemsits of India held from 5-11-2009 TO 7-11-2009.

j. The work presented as a poster titled, "Gold Nanoparticles Modified TiO2 Nanotube Arrays for the Selective Determination of Ascorbic Acid", at the International Conference on Advanced Nanomaterials and Nanotechnology (ICANN-2009) conducted at IIT Guwahati during December 9-11, received the **best poster award**. The work was c-o-authored by Mr. T.G. Satheesh Babu (Faculty, Amrita School of Engineering, Coimbatore) and Mr. P.V. Suneesh, PhD student.

k. The Baja SAE contest, open to all engineering students, is a contest for designing an all-terrain vehicle. Amrita students from the Coimbatore campus competed in the contest with 80 other teams from around the country. Amrita received a **prize for their Silver Light Car**; it was the **second-most economical car** entered in the contest, held in Feb 2010. The students made this winning model under the leadership of their faculty mentor, Dr. Thirumalini.

l. Final-year students, Venkat Krishnan and Vineeth Sharma of B.Tech. (ECE), Amrita School of Engineering, Amritapuri, won the first prize in a contest to determine the *Best Hardware Engineer***,** beating nearly 30-40 other student teams that competed in a tech fest conducted by SCMS Engineering College, Kochi, in Feb 2010.

m. Twenty-four students from three Amrita campuses — Amritapuri, Bangalore and Coimbatore were **selected** in Feb 2010 to spend upto ten months at various European Universities, as part of the **European Union's India4EU program**. Selected Amrita students were to study at University of Trento (Italy), University of Bologna (Italy), Politecnico di Milano (Italy), Aachen University (Germany), Helsinki University (Finland), Helsinki University of Technology (Finland), Grenoble Institute of Technology (France) and KTH, Royal Institute of Technology (Sweden).

n. IEEE student members of the Amrita School of Engineering won the **first and second prizes** at the "Humanitarian Technology Challenge Student Poster Competition", conducted as part of International Conference on Humanitarian Technology Challenges of the 21st Century, held in Feb 2010. ECE students, Amrita School of Engineering, Amritapuri, Hareesh S, Navneeth K, Akash P and Vivek Vijayan won the first prize that included a cash award of Rs. 5000/- and a certificate of appreciation. The students' poster depicted a Robotic Coconut Tree Climber. Ramesh N Nair and Sai P Manoj, also ECE students, were awarded the second prize, a cash award of Rs. 3000/- and a certificate of appreciation, for their Wireless Vehicular Accident Detection and Reporting System.

o. Sowmya Narayan graduated from the Amrita School of Engineering at Amritapuri with a B.Tech. degree in Electronics and Communication Engineering in 2008. Unlike many of

her peers who joined the IT industry, In Feb 2010, she was awarded the **Wipro Prodigy Award for excellence at work**. Only two or three new hires are given this award of the thousands of the people Wipro recruits annually. The only requirement is that they should have made some extraordinary contribution, while working on a project. Soumya was part of the VLSI (Very Large Scale Integrated Circuits) Team at Wipro that was working on a client project for NEC Global, one of the world's leading providers of Internet, broadband network and enterprise business solutions.

p. Ms. Beena presented her work as a paper titled, "**New PVC Membrane Sensor For Neodymium (III) Based on N1, N2 Bis (Salicylidine) Butane-1, 4-Diamine",** at the 15th National Convention of Electrochemists, at VIT, Vellore, in Mar 2010. The presentatin received the **best paper award** at the conference.

q. B.Tech Chemical Engineering students at the Amrita Coimbatore campus, N. Vijayalakshmi, Harihara Subramaniam and M. Suhanya, exhibited their innovation in **designing a novel heat exchange system** that won them the **3rd prize** in the event "DELTA T" conducted as part of the technical festival "Pragyan" at NIT Trichy, in Feb 2010.

r. Balagopal R., who just graduated from the Amrita School of Engineering at Amritapuri with a B.Tech. degree in Information Technology, was **awarded the Huygens Scholarship**, in May 2010, that will enable him to complete a two years masters' program at Vrije University (VU) in Amsterdam.

s. **Best paper awards** were won by Dr. Mahija Janardhanan and Dr. Tina Elizabeth Jacob of the Amrita School of Dentistry at the 7th National Conference of Indian Association of Forensic Odontology convened in Chennai, in May 2010.

t. Third-year students of Computer Science, Arjun Vasudevan, Asha S. Benny, Niranjan S. Nair and Shabana K.M., **developed** *Karshik 2.0,* **a new web application** that works to allow a farmer to select his/her location from a map where he/she plans to start farming. The application suggests crops that can be grown in the area considering the nature of the soil and climatic conditions. Also information is provided about the nearest center from where seeds can be obtained. The students' project has already attracted the attention of many. It was **profiled in several leading newspapers** including The Hindu Business Line, Economic Times and Malayalam Manorama.

Consolidated Annual Quality

Assurance Report

2009-2010

The Annual Quality Assurance Report (AQAR) of the IQAC - 2009-2010

All accredited institutions shall submit the AQAR to the NAAC by the end of every academic year with emphasis on the following key result areas:

Name of the Institution: AMRITA VISHWA VIDYAPEETHAM

Name of the Head of the Institution: Dr. P. Venkat Rangan (Vice Chancellor)

Ph. No. Office: (0422) 2685000

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Name of IQAC Assistant Coordinator: Prof. Prashant R. Nair

Part A: The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.

Amrita School of Arts & Sciences - Amritapuri:

The IQAC met in the beginning of the academic year and decided to implement several programmes for the overall development of students and faculty. As indicated in the previous year's report, IQAC had earlier initiated several programmes during 2008-2009. These include the design and the restructuring of the curricula, conducting Faculty Development Programmes (FDP), organizing seminars/workshops, granting on internal research grants, initiating and strengthening the research activities, starting the collaborative research activities with other reputed institutions in the country and encouraging co- and extra- curricular activities among the students. IQAC decided that these activities should be further strengthened and extended to the various departments under the ASAS during the academic year 2009-10

In addition to the above it was decided that faculty members should be encouraged to write project proposals to external funding agencies such as the DST, UGC and the CSIR. It was also decided to invite distinguished speakers from various National Institutes to deliver lectures in the frontier areas of research for the benefit of the faculty and the students

IQAC also stressed the importance of initiating activities cutting across the various discipline of the school.

Details of activities and the outcome achieved

1. **New PG Programmes**

   New post Graduate programmes were started in the departments of Chemistry and Physics with a student intake of 9 and 10 respectively. In the Physics programme the selected PG students would go along with the semester-7 students of the existing Integrated M.Sc. (Mathematics/ Physics) programme.

   Interdisciplinary Activities

   Virtual laboratories

   Departments of Chemistry, Biotechnology and Physics together are implementing a novel programme – the virtual laboratory – under a project supported by the MHRD. This is in fact a collaborative project involving several of the IITs and the Amrita Vishwa Vidyapeetham and some of the others selected universities in the country. This initiative has tremendous educational value in the present context. A virtual laboratory involves an interactive learning environment which allows the user to do simulated and remote triggered experiments. Its

objective is to provide a learning platform to students and teachers that allow them to access and share knowledge through a variety of resources such as video animations of experiments and demonstration experiments. The students can access these virtual experiments from any where at anytime using a computer. This will be of great help to the UG and PG students especially from colleges where the laboratory facilities are not very good.

Several experiments are available online in the Chemistry, Biotechnology, and Physics laboratories. Doing experiments online has created a lot of enthusiasm and excitement among the students

2. Projects from external funding agencies

Dr. Ani Deepthi and Dr. Zeena S. Pilliai of the department of Chemistry were awarded DST project of Rs 17 lakhs.

Ms. C.O. Sreekala of Department of Physics was awarded a project for Rs 9.12 lakhs by the DST under the Woman Scientist scheme.

3. Design and modification of Curricula

MSc Physics curriculum was designed on the basis of the CSIR – UGC/ Gate syllabi. New elective subjects like plasma physics, spaco physics, nonlinear dynamics and optoelectronics were introduced for the Integrated MSc and 2- year MSc courses.

4. Faculty Development Programme

The School conducted several faculty development programmes during 2009-10

a. Department of Mathematics conducted a series of lectures on Theory of Ordinary Differential Equations during 28-31 Dec2009
b. Department of Chemistry organized two FDP's during this period (August24-28, 2009 and Dec 28, 2009 – Jan 1 2009)
c. Department of Commerce and Management conducted one FDP (during 24-28, Aug2009) and a lecture by Prof. Narayan from Harvard Business School
f. English department organized an FDP during 28 – 30 Dec 2009
e. Faculty from Chemistry and English department attended FDP's organized by other institutions

5. Workshop/ Seminars/ Special lectures

During 2009-10 the following activities were conducted by various departments.

i. Department of English conducted three series of special lectures
ii. Department of Physics organized several lectures during the period Sept 2009-Feb 2010
iii. Mathematics department organized an NBHM sponsored workshop during June 24-27,2009
iv. Commerce and Management department organized two internally funded workshops.

Department of Physics organized the following seminars

a. Dr. Anantha Krishnan, IGCAR , Chennai spoke on "Research Activities and opportunities at IGCAR" on Sep 16, 2009
b. Dr. M.R. Remeshkumar, National Institute of Oceanography, Goa talked on "Global warning and climate change" on Aug 14, 2009
c. Prof. Narayanan Physical Research Laboratory , Ahmadabad delivered a lecture on "Optical Systems and Upper Atmospheric Research" on Jan 16, 2010
d. Dr. Hemnath T., GE – Bangalore, spoke on "Perspectives is Computer Tomography and Optical Phase Imaging" on Jan 29,2010

6. Research

Several research papers were published in various reputed international journals and several papers were presented in International and National Conferences.

7. Collaborative research

Several collaborative research activities were initiated during this academic year

i. Department of Chemistry started collaborative research work with the University of Bologna, Italy under the Erasmus Mundus programme.
ii. Dr Ganesh Sundaram of department of Physics collaborated with Physicists from the Institute of Mathematical Sciences, Chennai in the area of Condensed Matters Theory

8 . Extra – and Co- curricular activities

i. Several students from Commerce and Management excelled in sports activities
ii. Ms. Athira Krishnan has brought laurels to the School by has literary activities. She has published a book of poems entitled "Ente Ezhuthammku"
iii. Ms. Arushi , Department of Physics had several achievements to has credit including a silver medal is painting competition by Shankar's and a gold medal for the Best essay of the year.
iv. Several competitions were held by SAAHITI the language association of the English department

The academic year 2009-10 saw the fruition of many of the plans chalked out by the IQAC in the beginning of the year. It was a year full of academic and cultured events. The activities have enriched the academic life of both the faculty and the students of ASAS. They have fulfilled the missions, goals and the objectives of the Amrita Vishwa Vidyapeetham.

Amrita School of Biotechnology - Amritapuri:

Plan of action:

1. Introduction of new course M.Sc. Microbiology
2. Additional two labs for student practicals
3. Enhancing research facilities
4. Review and revise current syllabus for all programs to introduce cutting edge/ pertinent topics to provide the programs with greater versatility. e.g New courses such as
   - Advanced Discovery Biology
   - Advanced Pharmacogenomics
   - Principles and practice of Clinical Research
   - Stem Cell Biology

Outcome at the end of the year:

1. New course M.Sc. Microbiology started
2. Set up additional two labs, Phytochemistry Lab and Bioinformatics computer lab for student practicals
3. Sakshat Amrita Virtual Labs started intelligent development of virtual laboratories with state-of-the-art computer simulation technology to create real world environments and problem handling capabilities is required to bridge the gap between institutions (or industries) that retain the physical laboratory and distantly placed economically challenged educational institutions.
4. Apart from the Core subjects in the syllabus, Elective courses for the Post Graduate Programmes were introduced. Elective courses offered:
   - Advanced Pharmacogenomics
   - Analytical Methods in Biology
   - Biological Data Mining
   - Biological Haptics
   - Bionanotechnology

Amrita School of Business – Coimbatore:

For the year 2009-10the IQAC had adopted the following plan of action:

1. To make the ASB building Wi-Fi enabled;
2. To develop a Performance Management System for a more scientific evaluation of the contributions made by the faculty members and to design an incentives structure based on that;
3. To try and send at least some students for at least one term abroad as a part of students exchange program with some overseas universities;
4. To ensure that all the faculty members teaching different courses submit their course outlines which should have clearly laid out course objectives and evaluation criteria;
5. To ensure that all the courses follow a system of continuous evaluation;
6. To ensure that all the faculty members teaching different courses receive students' feedback at the end of the course;
7. To ensure that all the hardware and software used in the classrooms are in proper order throughout the year;
8. We have bagged from SAP the permission to train our students in the various SAP modules with a total capacity of 100 nodes. One of our faculty members Dr. Sanjay Banerji was trained in the

year 2008-09. This year, we plan to send two more faculty members for SAP training in order to strengthen our ability to SAP training to our students;

9. We are planning to introduce CAPSTONE Business Simulation as a part of our Strategic Management course from the year 2010-11. To equip ourselves to do that, the faculty member teaching this course would be sent for CAPSTONE training;

10. To be able to conduct at least one Management Development Program successfully;

11. To encourage the participation of our students in the inter B-School and other national and international competitions meant for MBA students;

12. To ensure that every student receives support outside the classroom in order to meet personal challenges, get placement related guidance and in developing their soft skills;

Achievement of Plans:

1. Our school building Wi-Fi enabled by the second half of this academic year.

2. We have been able to develop the Performance Measurement System for our faculty members. It has been sent to the Director – HR of the university for his approval.

3. Five of our students was selected as a part of India4EU exchange programme to study for one semester at University of Trento, Italy & Sofia University, Bulgaria.

4. Every faculty member submitted the course outlines with clearly laid out course objectives and evaluation criteria well in advance of the commencement of their course.

5. Every course taught at our school followed a system of continuous evaluation this year.

6. Every faculty member, both permanent and visiting, received the course feedback from the students at the end of their course.

7. All the hardware and software used in the classrooms were in top shape throughout the year. There were no complaints on this count during the year.

8. Two of our faculty members, Prof. Bhawana Jain & Prof. Sreekrishnan, attended a 2 week duration SAP Certification Registration for TERP-10 Training Workshop at Pune from August 3-14, 2009.

9. Prof. Sunil Puliyakot, Assistant Professor, attended a Workshop on Capstone Business Simulation organized at Birla Institute of Technology at Greater Noida from 19-21 April 2010.

10. We failed to accomplish our plan of conducting at least one Management Development Program this year. We will need to work on a plan to improve our performance on this count next year.

11. A number of our students participated in various competitions and brought laurels for us by winning prizes. Their achievements are listed separately later in this report.

12. We started a non-credit Soft Skills training course for the second year students this year to help them prepare better for their placements.

Amrita School of Education – Mysore:

By the grace of Amma, today we have the formal inception of Students' Association of **AMRITA** School of Education 2009-10. With immense pleasure, I present before you the envisaged activities of the School for the year 2010.

The present batch of students entered this temple of learning on 27th January, 2010 with excitement, optimism and aspiration. With lots of love and affection the students were received by the Management representative, Principal and the staff. While welcoming, the Principal emphasized on the fact that this institution is the pioneer one in the field, gifted and blessed by Amma. Our Vision is – "To soar heights of Excellence with special reference to value-oriented education" and our Mission – "To provide quality education and to prepare Far-sighted, Innovative, Excellent teachers with good personality traits and communication skills to take care of the future generations of India".

Even though the formal inauguration of the Students' Association was not over, the students learnt many skills in organization in the various programmes conducted during their first month itself. The student teachers participated in the Martyrs' Day programme organized by our School in collaboration with the University of Mysore, at Gandhi Bhavan by singing bhajans and patriotic songs.

Our students were taken to Bangalore on 17th of February 2010 to have Darshan of Amma, Sadguru Mata Amritanandamayi Devi, the Honorable Chancellor of Amrita Vishwa Vidyapeetham, University.

Talents' Day was held on 20th February 2010. Students exhibited their talents through a very colourful, musical and value-based programme. Following the Talents' Day, Students' Association was formed on 22nd February 2010 with

Ex-Officio President	Prof. Susheela Sheshadri
Staff Advisor	Sri Sanjay C. Bagadekar
General Secretary	Sumitha N.
Joint Secretary	Shivashankara N.

To tap the innate potentialities of the students and as an excellent platform to display their talents, we have the **Cultural Committee.**

Staff In-Charge	Smt. Sridevi K.V. & Sri Sanjay C. Bagadekar
Convenor	Sreekantha N.
Members	Lavanya R.
	Sweta Kumari
	Vani M.

To sharpen and enhance communication skills, we have the **Literary Committee.**

Staff In-Charge	Smt. Preetha A.K. & Sri Venkatesha K.
Convenor	Bhavya Ramdas
Members	Lokeshkumar
	Manju M.
	Yogendra D.B.

A sound mind in a healthy body is an asset to every individual. This is taken care of by the **Sports Committee.**

Staff In-Charge	Sri Sharad Sure & Sri Vimal Kumar
Convenor	Vidya Sagar P.
Members	Rajeev K.R.
	Shashirekha K.
	Guruprasad B.
	Subhash

To inculcate the feeling of universal brotherhood, goodwill **and** patriotism, we have the **Humanities Club.**

Staff In-Charge	Sri Chandramohanan S. & Sri Puttaswamy D.
Convenor	Shashikumar N.
Members	Anilkumar G.
	Vedha
	Shekhara K.K.

Logical thinking and reasoning are assets to every astute individual. To enable the students to develop scientific temper, we have the **Science Club**.

Staff In-Charge	Smt. Priya Kumari
Convenor	Pradeepa S.
Members	Basavaraju S.
	Mahendra N.
	Hemavathi

For acquisition of latest information and sharing of views and ideas on different themes, we have the donning of the **Bulletin Board.**

Convenor	Usha D.K.
Members	Arpitha J.
	Dayapoornima B.R.
	Deepa N.
	Mahadeva Y.M.
	Neelufer Amreen
	Ravi
	Rohini H.N.
	Swapna Lekha K.P.

The Batch of 98 students are divided into five houses namely, Bluebell, Lotus, Marigold, Red Rose, Sunflower.

With enthusiasm and confidence to the brim, we have planned many interesting activities through these committees and clubs that will be held periodically in the ensuing months. We embark upon this academic year with the following envisaged activities.

In the Cultural Committee, we plan competitions in music (vocal & instrumental), dance, skit, drawing, painting, rangoli, flower carpet, cookery without oven, slogan writing and poster colouring.

Field Visits and competitions in essay, debate and elocution are planned by the Humanities Club.

In the Literary Committee, we plan competitions in debate, elocution, pick and speak, essay writing, story writing, story writing and compilation of manuscript and wall magazines. Our Students participated in the Essay Competition conducted by DIET on 23rd Feb 2010.

In the Science Club, we plan to have activities like organization of science fair, quiz, collection and preservation of specimens, field visits and preparation of teaching aids, including electronic aids.

Science Week was celebrated from 23rd February to 26th February 2010 with great enthusiasm, by the students. The following programmes were organized by the Science Club:

'Snakes & Their Habitat' – A Lecture cum Demonstration by Snake Shyam on 23rd February 2010.

A Talk & Demonstration on 'Fire Fighting' by the Fire Brigade, Mysore, Sri Gurulingaiah, Chief Fire Officer and his team on 25th February 2010.

A Power-Point Presentation, 'Mysterious Mosquitoes' by Prof. V. A. Vijayan, University of Mysore, on 26th February 2010.

In the Sports Committee, we plan to conduct competitions in Cricket, Volley Ball, Throw Ball and Badminton. We propose to organize fun games too. Our Students have already participated in inter-collegiate competitions held by Regional Institute of Education on 19th, 20th and 21st February 2010.

Our students were fortunate enough to listen to an impressive, value-based talk by the Pro Chancellor of Amrita Vishwa Vidyapeetham, University, Bramachari Abhayamrita Chaithanya on 2nd March 2010.

Orientation in micro-teaching and lesson planning will be held during the month of April. In June, after a series of Demonstration Lessons, the student trainees will be sent to different schools in Mysore for Practice-in-Teaching.

Throughout the Academic Year, we propose to organize guest lectures, various seminars and symposia and also workshops. We intend to have educational tours to places of historical importance and educational significance.

To inculcate religious tolerance among the trainees, we intend to celebrate all festivals with immense devotion.

As part of our B.Ed., programme 'village visits' will be organized in a phased manner to the nearby villages. The objective of undertaking this social work is to understand the importance of community living, develop desirable qualities of a citizen, learn to live a disciplined life, with tolerance and co-operation, be responsive and committed, inculcate moral and spiritual values, respect democracy and its merits, develop religious and emotional integration and realize the importance of protecting the environment to enjoy good health and cheer.

Amrita School of Dentistry – Kochi:

- Strive to continue to achieve the excellence in teaching and clinical aspect.
- To start the PG programmes in all the specialties.
- To improve the research environment.

Amrita School of Medicine – Kochi:

ISO 14001 implementation and certification is our primary objective for 2011. System integration is in process for ISO and NABH. Integrated audits are also conducted for these systems. ISO 14001 is in the implementation stage and complete integration and preparation of single manual will be completed during the final stage of implementation and certification.

Amrita School of Pharmacy – Kochi:

1. Provide quality teaching and innovative research skills.
2. To bring semester system for B.Pharm course from 2010 batch onwards.

3. Provide facilities for the academic and research activities in various aspects of Pharmaceutical sciences for both teachers and students.
4. New courses like Pharm. D and Pharm. D (Post Baccalaureate) started in the current year.

Amrita College of Nursing – Kochi:

Sl. No	Plan of Action	Outcome
1	Enhancement of the seats of B. Sc and M.Sc. Nursing programmes. Starting M.Sc. Nursing in two more (Obstetric and Gynaecological Nursing and Community Health Nursing) Specialties.	Enhanced the seats of B Sc Nursing programme from 50 to 75 and M Sc from 17 to 36. Obtained sanction to start M.Sc. in Obstetric and Gynecological Nursing specialty in the academic year 2010-2011. Plans to start the programme in July 2010.
2	Starting Post Basic B Sc Nursing Programme	Inspection by the Indian Nursing Council is over and is awaiting for the State Nursing Council Inspection.
3	Conducting National Conference	National Conference on Geriatric Nursing "*Adding Life to years and years to Life*" is planned to be conducted on 8th & 9th of Sep 2010. Over 500 participants are expected to attend the conference.
4	Refining the existing system for coaching Slow Learners	Modified the existing system. Pass percentage of the slow learners has shown a steady increase (I Year- 91.67% and II Year – 100%)
6	Revising the B Sc Nursing curriculum to comply with the new Indian Nursing Council (INC) syllabus.	The revised B Sc Nursing curriculum is approved by the Academic Council and will be Implemented from 2010 admission (July 2010).
7	Revising the M Sc Nursing Curriculum.	Implemented the revised curriculum of M Sc Nursing from 2010 admission.
5	Preparing Procedure Manual in each specialty.	Preparation of procedure manual in each specialty is in process.
6	Initiating clinical oriented nursing research.	Under graduate students have completed seven group projects Post Graduate students have completed five group projects; seventeen individual research projects by the Second year M S Nursing Students are ongoing. Seven research projects by the faculty are initiated.

Amrita School of Engineering – Coimbatore:

Department of Chemical Engineering & Materials Science

Mission

The Department seeks to provide dedicated staff, a nurturing environment, comprehensive facilities, and administrative structure that initiates and fosters the pursuit of learning and all scholarly activities in chemical engineering, materials science, and related science and engineering disciplines. The Department will provide a strong educational program and research environment that will permit our graduates to excel in the workplace, to contribute to the advancement of knowledge at the highest levels, and to address the technological and human resource needs of industries, society and the nation at large.

Vision

- To create a vibrant environment that promotes teaching and learning, research and

development.

- To facilitate all-round development of students' knowledge, skills, character, and professional commitment that prepares them for technical leadership, productive service to society, and constant growth through lifelong learning.
- To be recognized as a premier department for Chemical Engineering & Materials Science of global standards.
- To establish a temple of excellence that allows the teachers and the learners to realize their full potential

Short Term Goals

- To significantly enhance the value addition of our program for all stakeholders i.e. the students, the parents, the management, the industry and the nation.
- To improve curriculum delivery through innovative practices.
- To enhance student support for weak as well as star performers. To enhance the learning capabilities of the students through innovative teaching methodologies.
- To continue to guide, counsel and help students in their personal, ethical, moral and overall character development.
- To work tirelessly in pursuit of funded research and delivery of research outputs.
- To encourage faculty to pursue doctoral programmes in the cutting edge areas such as nanotechnology, sustainable energy, environment and food security, and application-specific discovery and development of materials.
- To commence appropriate post graduate programmes in line with the above goals.
- To continue to implement the best practices followed so far.
- To continue to follow and orient our efforts in line with national priorities and goals.
- To actively engage in, and strive for, continuous quality improvement in all aspects of the departmental functioning.

Part B:

7. Activities reflecting the goals and objectives of the institution:

Amrita School of Business – Coimbatore:

It is our endeavour to impart value based education to our students thereby helping them to develop a wholesome character. To ensure this, we have some very important courses which help the students to develop these humanitarian values that we believe in. Our MBA curriculum has a core course called 'Self Awareness and Personal Growth' or SAPG which is taught for five terms or almost one and half years out of the 2 year program. This course teaches the students about the divine possibilities that exist in man if he chooses to live according to the exalted human values taught by all the noted wisdom traditions of the world. This course also includes both theory and practice of Yoga. We have another course called 'Managerial Values and Business Ethics' wherein students are exposed to the principles and theories of ethics that should govern business. This course uses a number of case studies and practical assignments in order to sensitise the students towards importance of Ethics. We have another core course called 'Environmental Management and Sustainable Development' which aims at training the students in ways by which businesses could develop holistically taking into account the needs of the environmental preservation and sustainable development.

Apart from these core courses, we also have some elective courses which are designed to contribute to the value education and character formation of our students. We have a course called 'Management Beyond Profit' which exposes students to the management of Non Governmental Organizations and their management. As a part of this course students visit a number of NGOs and make project reports on them. They get to interact with the founders and

managers of these NGOs as well as their beneficiaries. There is another elective course called 'Social Entrepreneurship' which exposes students to the theory and practice of social entrepreneurship with practical examples and case studies from the actual field and shows them the ways and means of becoming a social entrepreneur. There is another course called 'Management of Self for Success and Happiness' which teaches the students the importance of personal and professional excellence in achieving a balance between success and happiness in life.

Since we aspire to be recognized as an institution of excellence, we ensure that only faculty with top class credentials teach at our Program. All of our permanent faculty members are alumni of reputed institutions such as University of California, Berkley, IIMs, IITs, JNU and so on. Even our visiting faculty members come from top schools or with excellent relevant experience in the industry.

We have frequent reviews of the course curriculum to ensure their currency. There is a separate placement wing that supports our students in trying to find suitable jobs for them upon graduation. We have been able to achieve 100% placement in the last few years with the efforts of our placement team including this year.

Activities Conducted which reflect our goals & objectives

1. **Social Outreach Program:** Apart from trying to sensitize the students towards noble human values through courses and classroom activity, we also actively encourage our students to participate in real life activities that are beneficial for the society as a whole. For the last four years students of our school under the guidance of two of our faculty members have been participating in a community outreach program at the neighbouring Ettimadai village. Every weekend, between 2 to 10 students accompany these faculty members and visit the children from the dalit community teaching them on a voluntary basis. Sometimes, based on their needs, the students also raise small amounts and contribute their own physical labour to execute small projects. For example, the dilapidated roof of the local temple was renovated with the funds generated by the student.
2. **UTSAV & PRAGATI, 2009-10:** We believe that true education cannot exclude extra-curricular activities as they play a very important role in the development of students' overall personality. This is even more important for management students. Our students organize two major events every year. They are called UTSAV and PRAGATI. UTSAV is an internal competition among our students who divide themselves into four houses every year and then compete with one another in various events spanning the fields of Sports, Art, Drama, Literary skills and so on. UTSAV was conducted this year too on a grand scale with all the students of our school participating enthusiastically in it. This served as practice for them to hold PRAGATI which is an inter B-School event hosted by the students of our school.

   PRAGATI too was held on a grand scale with 19 colleges participating in it. Events were conducted in all the functional areas of Management. Besides these events held at our school, our students also participated at various events conducted by other B-Schools and win many prizes every year. This year too, they won laurels for us by winning prizes which have been detailed later in this document.
3. We also encourage our faculty members to keep themselves current by **participating in different conferences, seminars and symposia** and by carrying out research in their respective areas. Publications in peer reviewed journals are rewarded during the performance appraisal of the faculty members. Quite a few of our faculty members attended and presented papers at various conferences, seminars etc. this year. Quite a few

papers were published by our faculty members in reputed management journals. All these accomplishments are detailed later in the document.

Amrita School of Dentistry – Kochi:

The main goals of the institution are to imbibe human values, research culture into the minds of the young developing dental doctors. For this end, the institution promotes value based education, paper presentations and journal presentations by the students, social and community activities by the students.

To initiate PG programmes in various specialties, we have modernized all the departments with latest equipments and infrastructure. We have obtained Govt. NOC for two more specialties in addition to the seven already obtained.

We conducted regular seminars to improve the research environment among students and staff.

Amrita School of Medicine – Kochi:

As mentioned in the AQAR 2008-09, priority was given for starting postgraduate courses in super-specialty departments. The Medical Council of India inspections for the same was held in 2009 and in addition to 2 additional courses in broad specialties, 8 courses in super-specialties were also commenced from the Academic year 2009-10 :

Department	Course	Intake
Radiodiagnosis	MD	5
General Surgery	MS	4
Cardiology	DM	4
Endocrinology	DM	1
Gastroenterology	DM	1
Neurology	DM	1
Nephrology	DM	2
CVTS	M.Ch.	1
Neurosurgery	M.Ch.	1
Urology	M.Ch.	2

In June 2010, the Department of Paediatrics underwent the MCI inspection for recognition of MD Paediatric course. This is the first inspection for recognition of Postgraduate degree awarded by the Amrita School of Medicine, Kochi.

During this year, the School has also started an undergraduate course – B.Sc. in Optometry.

Biostatistics plays a major role in research studies right from the planning stage till the report is prepared. Any research work is incomplete without treating the data statistically and interpreting the results with scientific and statistical reasoning and evidence. To provide appropriate professional education in Biostatistics to the candidates interested in pursuing a career in medical research, this year, the School has started a Postgraduate course – M.Sc. Medical Statistics.

Amrita School of Pharmacy – Kochi:

- To be a center of excellence in pharmacy education at National and International levels.
- Ensure value based quality education in all aspects of life.
- Foster academic and research culture through interdisciplinary collaboration.
- Provide quality teaching and innovative research skills.
- Provide state of art facilities for the academic and research activities in various aspects of pharmaceutical sciences.

Amrita College of Nursing – Kochi:

A. Student performance

a. Academic

The clinical hours provided in most of the subjects is more than that is prescribed in the curriculum
The M Sc Nursing students are posted in the clinical area for one shift duty apart from the theory hours.
The M. Sc Nursing students are involved in teaching the staff nurses.
Ascertained that each student does the basic nursing procedures in the laboratory and in the clinical area under the supervision of a teacher and gets the signature in the procedure book.
Students are posted in selected clinical areas and are allowed to give nursing care according to their professional knowledge and skills learned in each year based on the curriculum.
Enriched the clinical experience with clinical teaching and a variety of clinical assignments. The post-graduate students and the final year B Sc Nursing students in their internship provide individualized comprehensive nursing care to the patients.
Advanced learners are involved in the organization of the CNE workshops conducted by the college and allowed to participate in International Conference conducted outside the College.
In the clinical area each student is part of the unit and works with the team leader.
Each Student is given an opportunity to learn the practice of nursing by doing various projects and assignments in small groups.
The M. Sc Nursing students are involved in the staff development programme in the assigned clinical area.
In order to improve the teaching skills of the students, practice teaching sessions are conducted for the peer groups, juniors and GNM students.
As part of Nursing administration, the students are posted in the clinical area to assist the ward in charges/supervisors and are involved in various administrative and managerial tasks.
As part of Nursing Research, the post-graduate students undertake individual research projects and the undergraduates undertake group research projects in the third year.
Patient teaching is an integral part of each clinical posting and hence the students give health education in various settings as per their level of the course (Both individual and group).
Advanced learners have done individual projects and paper presentations in the zonal level Student Nurses Association (SNA) competitions.
The third year and final year B Sc Nursing students take leadership roles in giving nursing care to their assigned patients and assist the charge nurses.

b. Social Activities
Provided opportunity for the students to get exposed to real life situations and other social issues by observation visits to places like de-addiction center, SOS (Save Our Soul) village, old age homes, community development centres etc.
The final year B. Sc nursing students conducted various community oriented activities like survey, health exhibition, school health programmes, nutritional programmes in the 13th and 15th wards of Nayarambalam Panchayat. The students actively participated in the pulse polio programme also.
Students participated in activities organized by ATMA – ABCD (Amrita Blood Collectors and Donors) Forum, Anti Tobacco Movement at Amrita, mosquito eradication programme in connection with dengue and other vector born diseases.
Students actively participated in the institutional activities like Sevamritam (which includes maintaining cleanliness in the campus, visit to old age homes etc), Vidyamritham (school based programme focused on the overall development of socio economically backward children)

c. Extra Curricular
The Student Nurses Association of India unit at the college – A non-political nursing students association of India- is headed by student office bearers and student executive committee and conducts various curricular, co -curricular and extra curricular activities
The Third year B Sc Nursing students have organized an exhibition on the theme “Healthy Child” in the Pediatrics OPD of AIMS.
Students organize programmes in the college on days of importance like Mental Health Day, World Heart Day, World Health Day, International Nurses Day, Arts Day etc

d. Discipline
Conducts regular value based education to the students on relevant topics, conducts quiz and prizes

are given to the student who excel.
Anti ragging measures: Before the commencement of the new academic year, all the students are cautioned about ragging and its consequences. The class teachers give an awareness about ragging and its consequences, and posters are displayed in the college, hostel and in the campus against ragging. In addition, the College has anti ragging squad, constituted with the Principal as the chairperson.
The College also has a student welfare committee that deals with any disciplinary issues of the students.

B. High quality of faculty
a. Educational qualification
Out of 37 faculty members, 31(83.78%) are postgraduates. Four faculty are pursuing Ph. D. There are a few faculty with additional qualifications like post graduation in psychology, sociology, counseling, management etc. Faculty also have undergone continuing education courses in palliative care.

b. Teaching competence
Regular assessment of the teaching competence is done through teacher evaluation by students. This assessment is discussed with the individual teacher to enhance his/her teaching skills.

c. Research output
• Research is considered as a priority area and seven faculty research projects are ongoing apart from the Ph. D research projects. The teachers guide the group and individual projects of B. Sc and M. Sc nursing students.

d. Innovation
* Dual Role of Faculty
On an experimental basis, three faculty members (Post-Graduates in Medical Surgical Nursing) are given the clinical responsibilities in three major areas (Medical ICU, Coronary Care Unit& Cardio Thoracic and Vascular Surgery ICU) along with their teaching responsibilities to improve the quality of nursing care. The same will be evaluated after six months and extended to more areas if necessary.

e. Leadership
Teachers adopt leadership position in professional organizations like Trained Nurses Association of India (TNAI), Nursing Research Society of India (NRSI) etc. They also play an advisory role for the Student Nurses Association (SNA).

f. Mentoring
The junior faculty members are given opportunity to develop by involving them:
• in curricular and co-curricular activities
• projects/guiding theses
• faculty development programmes
• clinical/community activities
• organizing various college programmes like conference, farewell, arts and sports fests etc.
Modernization and excellence in infrastructure and facilities
The college has procured two advance nursing care mannequins to facilitate better opportunity for dents to enhance their clinical skills. Steps are being taken to improve the infra structural facilities of ary and examination hall. In order to improve the existing educational technology, an order has been for three LCD projectors.

Amrita School of Engineering – Coimbatore:

- To mould the students more committed to modern, ethical and creative media practices, with a positive bearing on the individual, industry and society.

Department of Chemical Engineering & Materials Science

In response to our goals and objectives, we have decided to offer M.Tech Program in Chemical Engineering, with effect from academic year 2010-2011.

The goals and objectives for the M.Tech Program are:

The main objective of the broad-based programme is to equip students with capabilities of innovation, analysis, design and optimal operation for chemical processes.

The curriculum is designed to train Chemical Engineers, keeping in view the challenges that a graduate faces in the Chemical industry, and for providing students a balanced education in various physical, chemical, and engineering subjects relevant to the field of Chemical Engineering. The curriculum is well balanced in covering advanced core chemical engineering topics as well as a variety of specialized topics via electives. The advanced core topics include chemical reactor design & analysis, thermodynamics of multiphase equilibria, computer aided simulation of process plants, transport phenomena, chemical process control, design of experiments, and process modeling & simulation. The electives offer a rich choice of topics across the streams of industrial chemical engineering (e.g. pinch technology, process intensification, and multi-component mass transfer), materials science, biotechnology & biochemical engineering, petroleum refining & petrochemicals, polymers, and renewable energy. A significant practical component involves the innovative use of chemical engineering labs to create, optimize, and run experimental set ups, as well as individual projects during the 3rd and 4th semesters. Students have the opportunity to pursue their projects either in house, or outside in reputed industrial or research institutions.

Graduates of the program would find a variety of career opportunities open, such as, as scientists in R&D labs, as process engineers, product engineers, and quality engineers/managers in chemical and allied industries, as equipment designers for chemical process engineering firms, and as managers for environmental monitoring & clearances. Chemical and allied industries seeking engineers with such qualifications include: Petroleum Refining and Petrochemicals, Fertilizers, Organic Chemical Industries, Polymers and elastomers, Pulp and Paper, Caustic Soda – Chlorine Industries, Other Inorganic Chemical Industries, Pharmaceutical Industries, Distilleries, Tanneries, Dairy Plants, Food Processing, Paints, Pigments & Dyes, and Specialty Chemicals.

- Constituted Board of Studies with eminent professionals from academics and industry
- Prepared curriculum and syllabus with due diligence, by referring to all existing syllabi and curriculum of all IITs / IISc / some NITs / some leading US universities
- Consulted leading experts in academics and industry [Prof. K.S. Gandhi, IISc; Dr. Sushil Kumar, President, RIL, Dahej Complex etc] for their valuable inputs for framing the curriculum.

8. New academic programmes initiated (UG and PG):

New UG Programmes:

S. No.	School Name	Department Name	Programme Name	Programme Duration	Student Intake	Start Date (MM/YYYY)
1.	Amrita School of Ayurveda	Pharmacy	Certificate course in pharmacy	1 year	05	14-09-2009
2.	Amrita School of Ayurveda	Panchakarma	Certificate course in panchakarma	1 year	02	14-09-2009
9.	Amrita School of Dentistry		B.Sc. Optometry			2009
10.	Amrita School of Pharmacy		Pharm. D (Regular)	6 years		

5.	Amrita School of Engineering	Civil Engineering	B.Tech	4 years	60	July 2008

New PG Programmes

S. No.	School Name	Department Name	Programme Name	Programme Duration	Student Intake	Start Date (MM/YYYY)
1	Amrita School of Arts and Sciences, Amritapuri	Physics	M.Sc. Physics	2Years	10	07/ 2009
2	Amrita School of Arts and Sciences, Amritapuri	Chemistry	M.Sc. Chemistry	2 Years (4 semesters)	9	08/ 2009
3	Amrita School of Arts and Sciences, Mysore	Management and Commerce	B.Com.	3 years (6 Sem)	08	July 2009
4.	Amrita School of Business, Coimbatore		Ph.D.	5-7 years	8	12/2009
5.	Amrita School of Dentistry, Kochi		PG program in Prosthodontics			2009
6.	Amrita School of Dentistry		PG Program in Periodontics			2009
7.	Amrita School of Dentistry		PG Program in Conservative Dentistry			2009
8.	Amrita School of Dentistry		PG Program in Oral & Maxillofacial Surgery			2009
9.	Amrita School of Medicine		MD Radio-diagnosis			2009
10.	Amrita School of Medicine		MS General Surgery			2009
11.	Amrita School of		DM Nephrology			2009

	Medicine					
12.	Amrita School of Medicine		DM Endocrinology			2009
13.	Amrita School of Medicine		DM Cardiology			2009
14.	Amrita School of Medicine		DM Gastroenterology			2009
15.	Amrita School of Medicine		DM Neurology			2009
16.	Amrita School of Medicine		M.Ch. CVTS			2009
17.	Amrita School of Medicine		M.Ch. Neurosurgery			2009
18.	Amrita School of Medicine		M.Ch. Urology			2009
19.	Amrita School of Medicine		M.Sc. Diabetology & Diabetic Foot Surgery			2009
20.	Amrita School of Medicine		M.Sc. in Respiratory Therapy			2009
21.	Amrita School of Medicine		M.Sc. in Medical Statistics			2009
22.	Amrita School of Pharmacy		Pharm. D (P.B.)	2 years		
23.	Amrita College of Nursing	Obstetrical and Gynaecological Nursing	Obstetrical and Gynecological Nursing specialty in M. Sc Nursing programme.	2 years	7	Will be started on July 2010
24.	ASE	CSE	M.Tech. (Computer	2 years	20	July 2010

			Science & Engineering)			
25.	ASE-CBE	CE&MS	M.Tech Chemical Engg	2 Years	15	July 2010

3. Innovations in curricular design and transaction:

Amrita School of Arts & Sciences – Amritapuri:

S. No.	School Name	Department Name	Description of Innovation	Date of Initiation (MM/YYYY)	Benefits Achieved/Projected
1	Amrita School of Arts & Sciences, Amritapuri	English	More emphasis on spoken English is given and exercises to create more awareness of correct usages of English are included	08/2009	Better understanding
2 3	Amrita School of Arts & Sciences, Amritapuri	Physics Physics	MSc Physics curriculum design based on the GATE & UGC- CSIR Syllabus Elective Subjects like Plasma Physics, Space Physics, Non-linear Dynamics, Opto electronics &Introduction to nano Physics & applications Introduced	07/ 2009 07/ 2009	Benchmarking our curriculum with GATE, JEST & UGC_ CSIR has enabled AMRITA students to Qualify for JEST/CSIR/GATE etc easily. Curriculum wise Amrita University is at par with other premier institutes of the country and students will benefit immensely with these changes in the curricula

Amrita School of Medicine – Kochi:

1. Discontinued "Save A Year" Program

Following additional subjects included in the MBBS curriculum

2. Bio-ethics
3. Biostatistics and epidemiological & research methodology

Amrita School of Pharmacy – Kochi:

1. Peer review (Feedback from students) have been introduced accordingly changes are made.
2. Lesson plan for teachers.
3. Semester system has been introduced for B.Pharm course from 2010 onwards.
4. Syllabus for B.Pharm semester system has been designed.
5. The Curriculum of B.Pharm course have been designed based on the semester system.
6. Syllabi for Pharm. D And Pharm. D (P.B.) courses have been designed.

Amrita College of Nursing – Kochi:

S. No.	School Name	Department Name	Description of Innovation	Date of Initiation (MM/YYYY)	Benefits Achieved/Projected
	Amrita College of Nursing	Amrita College of Nursing	**B. Sc NURSING** Implemented the revised B.Sc. Nursing curriculum from 2010 admission. The	Will be implemented from 2010	

			innovations/modifications made include: Addition of Regional language in the First Year to enhance the communication skill in the local language. Subject sociology is kept in the Second Year instead of First Year. The subjects Medical Nursing and Surgical Nursing are combined as a single paper as Medical Surgical Nursing. Genetics is included as a subject (along with Pathology) in Second Year. A subject Communication and Educational Technology is added in Second Year. The subject Maternity Nursing including Gynecological Nursing is placed in Third and Fourth Year instead of Fourth Year alone Nursing Research and Statistics is placed in the Fourth Year instead of Third Year.There is no internship in the new curriculum. **M.Sc. NURSING** In the process of revising the regulations relating to the M. Sc Nursing programme. Subject wise revision of each specialty is in process.	admission onwards	

S. No.	School Name	Department Name	Description of Innovation	Date of Initiation (MM/YYYY)	Benefits Achieved/Projected
1	Amrita School of Engineering (all three campuses)	CSE	Partial revision of syllabus	July 2009	For decongestion of first year syllabus.

Amrita School of Engineering – Coimbatore:

S. No.	School Name	Department Name	Description of Innovation	Date of Initiation (MM/YYYY)	Benefits Achieved/Projected
1	ASE- Cbe	CE & MS	Revised the whole B.Tech curriculum in line with the overall objectives of the university.	July 2009 – To be implemented with effect from July 2010	To meet departmental goals and objectives

S. No.	School Name	Department Name	Description of Innovation	Date of Initiation (MM/YYYY)	Benefits Achieved/Projected
	Amrita School of Engineering	Civil Engineering	B.Tech Second Board of Studies meeting - Curriculum revision	2/06/2010	Curriculum revision is done every two years to include the latest developments.
			Continuous evaluation weightage has been increased to 60%		To promote continuous learning & also to involve / motivate students towards learning
			3 one credit course on soft skills were introduced		To improve the overall personality of the students – language development, analytical ability, aptitude development, Employability skills, computer skills etc.
			Survey lab, , Design & Drawing I, and Design & Drawing I I		No. of credits were increased to 2 from 1. To give more weightage to hands on.
			Science Electives		2 three credit courses are introduced in the curriculum to enable to students to understand the fundamentals of the basic science.
			Humanities electives		2 two credit courses are introduced to develop language skills and to inculcate values and ethics
			Department electives		Electives are offered in 3 streams namely: Structural Engg., Water Resources & Environmental Engg., Transportation and Gotechnical Engg. The syllabi for these elective

					courses were framed based on the discussions with industries.
			Management Elective		A separate elective in the management area is offered to the students in the 8th semester
			The syllabus for the courses divided into 3 sections		To ensure uniformity in conducting the courses in all the 3 campuses.

S. No.	School Name	Department Name	Description of Innovation	Date of Initiation (MM/YYYY)	Benefits Achieved/Projected
B.TECH CSE					
	Amrita School of Engineering	Computer Science and Engineering	2010 Admission onwards Subjects — Credits Science 14 Mathematics 16 Humanities & Languages 27 Engineering general 22 Engineering core 87 Project (1+10) 11 Total Credits 177 6. Curriculum fine tuned as per the latest recommendations of IEEE-ACM. 7. Structure and Interpretation of Computer Programs moved from Elective to Core, reference to MITOCW. 8. Software Engineering and Software Design and Modeling combined to Software Engineering Theory and Lab. 9. 1 credit courses have been added to supplement the core courses. 10. Elective Streams added: • Security • Embedded Systems 6. Electives Added: • High Performance computing • Business Intelligence (Industry supported course) • Free and Open Source Software • Information Security • Information Coding Techniques • Embedded Programming	07/10	To expose students to the latest in technology and engineering To prepare students to take up jobs without having to spend much of time in training Electives have been introduced so that it would be easier for them to take up higher studies in specialized areas in Computer Science

Batch	Credits	Description of innovation
2010-2012 onwards	66 Credits	4. Foundation Core : 13 credits 5. Subject Core : 27 credits 6. Electives : 12 credits 7. Project Work (Major / Minor) : 14 credits 8. Cultural Education : P/F 9. Total : 66 Credits
		• Curriculum is fine tuned as per the recommendations of BOS experts, Industry and feedback from Alumni. • The Image processing paper offered as CV654 – Image Processing in 2008 curriculum is offered as two courses- CV652 - Digital image Processing CV653 - Image Analysis and Applications. • Computer Vision paper offered as CV655 – Computer Vision in 2008 curriculum is offered as two courses : CV655 - Computer Vision Cv656 - High Level Computer Vision. • New Core subject - Multidimensional Data Structures for Image Processing is introduced in the 2010 curriculum • The new list of electives is added. The electives are divided into streams. The new electives added to the curriculum are as follows: 10. Digital Video Processing 11. Embedded Systems and Sensors for Image Processing 12. Virtual Reality and Applications 13. 3D Modeling for Visualization 14. Cloud Computing 15. Data Hiding 16. Content Based Image and Video Retrieval 17. Geographic Information Systems 18. Computational Intelligence for Image Processing

S. No.	School Name	Department Name	Description of Innovation	Date of Initiation (MM/YYYY)	Benefits Achieved/Projected
1	Amrita School of Engineering	Mechanical Engineering	B.Tech Curriculum revision	22/05/2010	Curriculum revision is done every two years to include the latest developments.
2			Continuous evaluation weightage has been increased to 60%		To promote continuous learning & also to involve / motivate students towards learning
3			3 one credit course on soft skills were introduced		To improve the overall personality of the students – language development, analytical ability, aptitude development, Employability skills,

					computer skills etc.
4			Machine Drawing - one credit for manual practice		Earlier, there was no manual practice, In the machine drawing course. Based on the feedback from the industries (placement) manual practice also included in the course.
5.			Manufacturing Process Labs Fluid power / Fluid machinery Lab Instrumentation / Metrology Lab Metallurgy & Materials testing lab		No. of credits were increased to 2 from 1. To give more weightage to hands on.
6.			Seminar		One credit course is introduced to improve the presentation skills (oral & written) of the students
7.			Science Electives		2 three credit courses are introduced in the curriculum to enable to students to understand the fundamentals of the basic science.
8.			Humanities electives		2 two credit courses are introduced to develop language skills and to inculcate values and ethics
9.			Department electives		Electives are offered in 3 streams namely: Design, Manufacturing and Thermal. The syllabi for these elective courses were framed based on the discussions with industries.
10			Management Elective		A separate elective in the management area is offered to the students in the 8th semester
11			The syllabus for the courses divided into 3 sections		To ensure uniformity in conducting the courses in all the 3 campuses.

12			Introduction of core course		Gas Dynamics and Jet Propulsion was offered as an elective earlier, now it is introduced as a core course
13	Amrita School of Engineering	Mechanical Engineering	M.Tech Curriculum revision –Engineering Design	22/02/2010	Curriculum revision is done every two years to include the latest developments.
14			Introduction of core course		Advanced Fluid Dynamics was introduced as a core course
15			Introduction of new electives		New electives like MEMS, Bio-MEMS and Medical Micro-devices, CAD in product development were introduced as the request from the industry
16			Course on cultural education		Non credit course to improve the moral values and ethics of the students
13	Amrita School of Engineering	Mechanical Engineering	M.Tech Curriculum revision –Integrated Design and Manufacturing	22/02/2010	Curriculum revision is done every two years to include the latest developments.
14			Introduction of core course		Courses on Finite Element Methods, DFMA were changed to core courses.
15			One credit course on Seminar		To know the art of Teaching & Learning
16			Introduction of new electives		New electives like on statistical inference and DOE , Sustainability and Environmental issues in Product design and manufacturing , Embedded Systems, Mechatronics, Advanced Metrology and sensing systems were introduced to be

					in pace with the present industrial technologies.

4. Inter-disciplinary programmes started:

Amrita School of Arts & Sciences – Amritapuri:

S. No.	Names of Departments/Schools involved	Description of Programme	Date of Initiation (MM/YYYY)	Deliverables Projected *(Research publications, degree, training, consultancy, product development, etc.)*
1	Dept. of Physics, Biotechnology and Chemistry	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 immensive 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 mimics real life experimentation	2009-2010	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 a VL nodal centers involving 13 colleges across the state thus is pioneering higher education and research using VL Many publications based on the project are in progress

Amrita School of Engineering – Amritapuri:

S. No.	Names of Departments/Schools involved	Description of Programme	Date of Initiation (MM/YYYY)	Deliverables Projected *(Research publications, degree, training, consultancy, product development, etc.)*
1	CSE, ECE, EEE, IT, EIE	M.Tech. (WNA)	August 2009	M.Tech. degree, research publications.

Amrita School of Engineering – Coimbatore:

S. No.	Names of Departments/Schools involved	Description of Programme	Date of Initiation (MM/YYYY)	Deliverables Projected

1	All Departments	Elective on Introductory Modern Biology	December 2009	Students will be able to horizontally migrate to other disciplines like
2.	CE & MS	Elective on Nanoscience & Nanotechnology	July 2010	Nanobiotechnology and nanotechnology during post-graduation / PhD
3	CE & MS and Aerospace	Elective on Composites for Aerospace Applications	July 2010	To benefit the students from Chemical Engg and Aerospace Engg streams

5. Examination reforms implemented:

Amrita School of Arts & Sciences - Kochi

S. No.	School Name	Department Name	Description of Reform *(Also include reason for reform)*	Date of Initiation (MM/YYYY)	Benefits Achieved/Projected
1	ASAS, Kochi	Dept. of Computer Science and IT Dept. of Commerce and Management Dept. of Visual Media and Communication	Mentor System, Centralized Valuation, Result Analysis and Class Committee	2009 December onwards	Timely publication of results is possible. Accuracy and speed are ensured.

Amrita School of Ayurveda – Amritapuri:

S. No.	School Name	Department Name	Description of Reform *(Also include reason for reform)*	Date of Initiation (MM/YYYY)	Benefits Achieved/Projected
1.	Amrita School of Ayurveda	Examination Control Division	Change of Question Paper Pattern	February - 2010	Eases Valuation procedure

Amrita School of Medicine – Kochi:

All India Common Entrance Examination (Medical) 2009-10 conducted by the Amrita Vishwa Vidyapeetham University

As per the MCI guidelines, the minimum percentage of marks required for a candidate to apply for MBBS admission is 50% and 40 for general and SC/ST candidates respectively. To further improve the standard of entrance examination, this year onwards the minimum requirement of marks has been upgraded to 60 and 50 percent for general and SC/ST candidates respectively.

Amrita School of Pharmacy – Kochi:

Examinations for B.Pharm & M.Pharm are conducted annually by the Controller of Examinations, Amrita Vishwa Vidyapeetham.

The Examinations for B.Pharm semester system, starting from 2010 academic year will be conducted every 6 months at the end of the semester by the Controller of Examinations, Amrita Vishwa Vidyapeetham.

Amrita College of Nursing – Kochi:

S. No.	School Name	Department Name	Description of Reform *(Also include reason for reform)*	Date of Initiation (MM/YYYY)	Benefits Achieved/Projected
	Amrita College of Nursing	Amrita College of Nursing	As per the new curriculum, there will not be any oral examination in the subject Anatomy. There will be only one practical examination in Medical Surgical Nursing in the second year	Will be implemented from 2010 admission.	

Amrita School of Engineering – Amritapuri:

S. No.	School Name	Department Name	Description of Reform *(Also include reason for reform)*	Date of Initiation (MM/YYYY)	Benefits Achieved/Projected
1	ASE	CSE	A scrutiny committee set up to scrutinize Periodical question papers.	July 2009	To improve quality and standard of question papers.
2	ASE	EEE	Question paper scrutiny committee formed in the Department	July 2009	Standard of the questions improved. Mistakes in the question papers reduced.
3	ASE	ME	60% weightage for internal marks and 40% for end semester exam for all theory courses and 80% weightage for internals and 20% weightage for end sem. in the case of lab courses	July 2009	----------
4	ASE	IT	A scrutiny committee was set up to scrutinize periodical question papers.	July 2009	To improve the quality and standard of question papers.

Amrita School of Engineering – Coimbatore:

S. No.	School Name	Department Name	Description of Reform *(Also include reason for reform)*	Date of Initiation (MM/YYYY)	Benefits Achieved/Projected
1	ASE-Cbe	All Departments	Weekly Quiz as a component of continuous assessment	July 2009	Promotes objective assessment of the student's academic progress. Motivates the student to try to keep himself/ herself abreast

					with what is being discussed and studied in the class

6. Candidates qualified: NET/SLET/GATE etc.

Amrita School of Arts and Sciences – Amritapuri:

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	ASAS	Physics	NIL	NIL	NIL	NIL	NIL	MTTS 1st level supported by NBHM (2009) -3 students JEST- 2009 (91.45 percentile; 70th Rank)-1 Student

Amrita School of Biotechnology – Amritapuri:

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
01	Amrita School of Biotechnology	Biotechnology	14	16	8	NA	NA	

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
01	Amrita School of Biotechnology	Biotechnology	5	2	4			

Amrita School of Medicine – Kochi:

Passed out MBBS students from Amrita secured postgraduate admission in various medical colleges through the All India Medical Entrance Examination – 2010 as follows :

MD – 23
MS - 8
Diploma – 6
Foreign Universities - 5
Total - 42

Amrita School of Engineering – Amritapuri:

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 Engineering	CSE	-	3	-	-	-	-
2	School of Engineering	EEE	-	10	-	1	-	-

Amrita School of Engineering – Bengaluru:

S. No.	School Name	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SLET qualified	# qualified in other exams
1.	Amrita School of Engineering	M.Tech – VLSI Design	---	3	---	---	---	---
2.	Amrita School of Engineering, Bangalore	EEE	---	01	---	---	---	---

Amrita School of Engineering – Coimbatore:

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 Engineering	CEN		3				
2	Amrita School of Engineering	RSWSN		0				

S. No.	School Name	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SLET qualified	# qualified in other exams
1	ASE-CBE	CE & MS		B.Tech (polymer 2006-10 batch) – Prabu, Pranavbalaji , Eashwaran, Ramesh Krishnan, Rajasundar	B.Tech (polymer 2006-10 batch) Sneha R Menon, Pradeep P Sairam Vidyalakshmi P	B.Tech (polymer 2006-10 batch) Chitra P Pramughan		

				B.Tech (Chemical2007-11 batch) Hari Ganesh				

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 Engineering	Computer Science and Engineering		16	1	5		

S.No	Roll No.	Student Name	#Gate Score	Percentile
1	CB.EN.P2CVI09002	Anjali S	377	89.37
2	CB.EN.P2CVI09005	Deepasree Varma P		
3	CB.EN.P2CVI09007	Dhanya M	304	83.24
4	CB.EN.P2CVI09017	Sency Jose		90.36
5	CB.EN.P2CVI10004	Anjana Desiree	624	
6	CB.EN.P2CVI10002	Aneesha Dasan	360	
7	CB.EN.P2CVI10009	Bincy Antony M	445	
8	CB.EN.P2CVI10010	Dhananjayan S	400	
9	CB107CS048	Kaushik Veluru	515	96.7
10	CB107CS507	Sneha Aswani	591	98.2
11	CB107CS166	Sriram P	412	92.57
12	CB107CS502	Gudipatti Shashank		95
13	C107CS167	H.Sushindhran		97
14	CB107CS508	Vijay Shankar		88
15	CB107CS226	Murtaza		88
16	CB107CS166	Sriram.P		94

S.No	Roll No.	Student Name	# CAT Score	# CAT Percentile
1	CB107CS110	R.Baskar		95.76
2	CB107CS502	Gudipatti Shashank		85
3	C107CS167	H.Sushindhran		93
4	CB107CS508	Vijay Shankar		88
5	CB107CS226	Murtaza Shabbirbhaikuwarawala		90

S.No	Roll No.	Student Name	# GRE Score	TOEFL Score
1	CB107CS055	Niveditha.M.N.	1580/1600	118/120

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 Engineering	Computer Science and Engineering		8				

S.No	Roll No.	Student Name	Gate Score	Percentile
1.	CB.EN.P2CVI08003	Dona Jose	309	85
2.	CB106CS502	Lekshmi Unnikrishnan		70
3.	CB106CS133	Manasa K	322	85%
4.	CB106CS142	Nitin N	298	
5.	CB106CS143	Parvathy S Pillai		96.73
6.	CB106CS103	Anand N		96.99
7.	CB106CS110	Chellammal G	464	95.05
8.	CB106CS145	Pramod Mohandas	195	

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 Engineering, Ettimadai, Coimbatore	Center for Cyber Security	0	14	0	0	0	0

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 Engineering, Ettimadai, Coimbatore	Center for Cyber Security	0	14	0	0	0	0

S. No.	School Name	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SLET qualified	# qualified in other exams
1.	ASE-Ettimadai	EIE		Rank 441				
2.	ASE	EIE		**Rank 9**				

S. No.	School Name	Department Name	# NET qualified	# GATE qualified	# GRE qualified	# CAT qualified	# SLET qualified	# qualified in other exams
1		IT		46.33/100				
2		IT		90%				
3		IT			1300/1600			

4					1400/1600	99.49%		
5						97%		

Mechanical Engineering

For students with admission status active during the report period: **15 GRE qualified**

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

15 GATE qualified and 6 GRE qualified

7. Initiative towards faculty development programme:

Amrita School of Arts & Sciences – Amritapuri:

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 Arts and Sciences	Department of English	Brainstorming Session	28/12/09 to 30/12/09	All members of the department participated	CIR Amritapuri
2	Amrita School of Arts and Sciences (Dr. Ratheesh Ambat)	Commerce & Management	FDP	2009 May (3 days)	11	Amritapuri
3	Faculty Development Programme by Prof. Michael from Harward University, Prof. Syam Nath, visiting Professer from Mauriius and Ms.Manisha Lewis(CIR)	Commerce & Management	FDP	24/08/09 to 28/08/09	10	----------
4	Seminar by Prof. Nayarayan from Harward Business School	----------	----------	07/01/10	----------	----------

5	Amrita School of Arts & Science	Mathematics dept	Choice based credit system	12/07/10	----------	Amritapuri
6	Amrita School of Arts & Science	Mathematics dept	Examination system at Amrita	13/07/10	----------	Amritapuri
7	Amrita School of Arts & Science	Mathematics dept	Theory of ordinary differential equations	28/12/09 to 31/12/09	----------	Amritapuri

Participants of the two day Faculty development programme on "Updating Teaching Methods" Conducted during 12-13, July

Name	Designation	School	Campus
Beena T. Nair	Assistant Professor	Amrita School of Engineering	Bangalore
Smitha Sail	Assistant Professor	Amrita School of Engineering	Bangalore
Deepthi Janardhan	Assistant Professor	Amrita School of Engineering	Bangalore
Dr. Harini Jayaraman	Professor	Amrita School of Engineering	Coimbatore
Dr. Geetha Senthilkumar	Associate Professor	Amrita School of Engineering	Coimbatore
Ambika p	Assistant Professor	Amrita School of Engineering	Coimbatore
Sreena K.	Lecturer	Amrita School of Engineering	Coimbatore
Rekha Bhat	Assistant Professor	Amrita School of Arts & Sciences	Mysore
Pavan B.P.	Lecturer	Amrita School of Arts & Sciences	Mysore
Dr. Vijayalakshmi	Professor	Amrita School of Arts & Sciences	Kochi
Geetha Pai	Lecturer	Amrita School of Arts & Sciences	Kochi
Dr. Sujatha K.K.	Professor	Amrita School of Arts & Sciences	Amritapuri
Dr. P.V. Ramanathan	Professor	Amrita School of Arts & Sciences	Amritapuri
Indu B.	Lecturer	Amrita School of Arts & Sciences	Amritapuri
M.S. Veena	Lecturer	Amrita School of Arts and Sciences	Amritapuri
Arun S.	Lecturer	Amrita School of Arts & Sciences	Amritapuri

S. No.	School Name	Department Name	Programme Name	Dates: (DD/MM/YY to	# Attendees**	Location / Venue

				DD/MM/YY)		
1	ASAS	Chemistry	FDP-2010 (phase-1)	24/08/09 to 28/08/09	20	CIR room
2	ASAS	Chemistry	FPD 2010(phase- 11)	28/12/10 to 09/01/10	22	E – learning room (Room No.116)

**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	DC School of Management and Technology	Trivandrum	New Dimensions in Research	24/10/09	Attached
2	Dept of Mechanical engineering, Amrita Vishwa VIdyapeetham, Ettimadai campus	Ettimadai, Coimbatore	One day workshop on "Writing successful project proposals"	01/01/10	2
3	TIFR-Radio astronomy Centre, Ooty, Tamilnadu	Ooty, Tamilnadu	International School on Solid State MMR', organized by TIFR-Mumbai, at TIFR-Radio Astronomy Centre, Ooty, Tamilnadu	04/01/10 to 08/01/10	1
4	Centre for Nano Science and Nano technology, Kottayam	Mahatma Gandhi University	National workshop of Nano materials-NWNM-2010	04/01/10 to 06/01/10	----------
5	Cochin University of Science and Technology,Kochi	Cochin University Kochi	International Conference on Materials for the Millennium (MATCON-10)'	11/01/10 to 13/01/10	----------
6	University of Calicut		Dr. V. Krishna Kumar delivered a series of two invited lectures on "Theory of distributions" at the	25/02/10 to 26/02/10	1

			National Seminar on Functional Analysis		
7	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"	05/04/10	1
8	Sponsored by "National Board of Higher Mathematics"	University of Calicut	Dr .V. Krishna Kumar delivered a course of lectures on "Linear Algebra and Germany"	03/05/10 to 07/05/10 & 17/05/10 to 22/05/10	1
9	Academic Staff College	University of Kerala, Trivandrum	Dr .V .Krishna Kumar delivered a course of lectures on "Quantitative Theory on Differential equations"	31/05/10 to 01/06/10	1

Amrita School of Arts & Sciences – Mysore:

S. No.	School Name	Dept. Name	Programme Name	Dates: (DD/MM/YY to DD/MM/YY)	# Attendees**	Location / Venue
1.	ASAS, Mysore		Orientation Programme	July 10th & 11th 2009	26	ASAS, Auditorium

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	Womens Christian College, Chennai.	Chennai	National Conference on *Computational Mathematics and Soft Computing*.	24th & 25th July 2009	Smt. Nirmala N S
2	Womens Christian College, Chennai.	Chennai	National Conference on *Computational Mathematics and Soft Computing*.	24th & 25th July 2009	Mr. Mukunda H S
3	Womens Christian College, Chennai.	Chennai	National Conference on *Computational Mathematics and Soft Computing.*	24th and 25th July 2009	Smt. Ashwini B
4	Bishop Cotton's Christian College, Bangalore.	Bangalore	National level Workshop on *Capacity Building of Women Managers in Higher Education.*	27th July 2009 to 1st Aug 2009	Smt. Radha Sudarshan

5	Bishop Cotton's Christian College, Bangalore.	Bangalore	National level Workshop on *Capacity Building of Women Managers in Higher Education.*	27th July 2009 to 1st Aug 2009	Smt. Sunayana N
6	Bishop Cotton's Christian College, Bangalore.	Bangalore	National level Workshop on *Capacity Building of Women Managers in Higher Education.*	27th July 2009 to 1st Aug 2009	Smt. Sripavitra
7	Bishop Cotton's Christian College, Bangalore.	Bangalore	National level Workshop on *Capacity Building of Women Managers in Higher Education.*	27th July 2009 to 1st Aug 2009	Smt. Jyothi A N
8	UGC-SAP Dept.University of Mysore, Mysore.	Mysore	National level Training / workshop on *Content Management systems.*	27th July 2009 to 29th Aug 2009	Mr. Chetan Hegde M
9	Mahajana College, Mysore.	Mysore	State Level Workshop on *Accreditation: New methodology* sponsored by NAAC.	29th Aug 2009	Smt. Rekha Bhat
10	Mahajana College, Mysore.	Mysore	State Level Workshop on *Accreditation: New methodology* sponsored by NAAC.	29th Aug 2009	Mr. Mukunda H S
11	Infosys, Mysore.	Mysore	National Level workshop on *Soft Skill*.	23rd to 25th Sep 2009	Smt. Sujatha Vasudeva
12	Infosys, Mysore.	Mysore	National Level workshop on *Soft Skill*.	23rd to 25th Sep 2009	Smt. Rekha Bhat
13	Maharani Science Womens College.	Mysore	State Level seminar on *Science during Vedic period.*	16th Oct 2009	Smt. Shyamala B G
14	UGC- Academic Staff college, Mysore-6.	Mysore	Refresher Course in *Application of Quantitative Techniques in Decision Making*.	29th Oct 2009 to 18th Nov 2009	Smt.Sunayana N
15	AVV, Ettimadai, Coimbatore campus.	Ettimadai	National Seminar on *Quality Improvement Concepts and their implementation in Higher Educational Institutions.*	11th and 12th Dec 2009	Smt. Jyothi A N
16	AVV, Ettimadai, Coimbatore campus.	Ettimadai	National Seminar on *Quality Improvement Concepts and their implementation in Higher Educational Institutions.*	11th and 12th Dec 2009	Mr. Mukunda H S
17	AVV, Ettimadai, Coimbatore campus.	Ettimadai	National Seminar on *Quality Improvement Concepts and their implementation in Higher Educational Institutions.*	11th and 12th Dec 2009	Smt. Rekha Bhat
18	Organised by Department of CCR Amritpuri Campus, AVVP	Amritpuri	University level Workshop on *Open Source.*	17th Dec 2009 to 26th Dec 2009	Yogendra H C
19	Organised by Department of CCR Amritpuri Campus, AVVP	Amritpuri	University level Workshop on *Open Source.*	17th Dec 2009 to 26th Dec 2009	Adwithiya

20	Organised by Department of CCR Amritpuri Campus, AVVP	Amritpuri	University level Workshop on *Open Source.*	17th Dec 2009 to 26th Dec 2009	Arkesh K N
21	AVV, Ettimadai, Coimbatore campus.	Ettimadai	International Conference on *Cloud Computing, smart Grid and Green IT.*	22nd & 23rd Dec 2009	Mr. Yogendra H C
22	AVV, Ettimadai, Coimbatore campus.	Ettimadai	International Conference on *Cloud Computing.*	22nd & 23rd Dec 2009	Smt. Dakshayini B S
23	AVV, Ettimadai, Coimbatore campus.	Ettimadai	International Conference on *Cloud Computing.*	22nd & 23rd Dec 2009	Ms. Pallavi M S
24	AVV, Ettimadai, Coimbatore campus.	Ettimadai	International Conference on *Cloud Computing.*	22nd & 23rd Dec 2009	Mr. Arkesh K N
25	AVV, Ettimadai, Coimbatore campus.	Ettimadai	International Conference on *Cloud Computing.*	22nd & 23rd Dec 2009	Mr. Adwitiya Mukhopadayay
26	Alagappa University, Karaikudi.	Karaikudi	International Conference on *"Emerging Trends in Teaching Language and Literature"(INCOETTLL-09).*	4th & 5th Dec 2009	Mr. Pavan B P
27	Velammal Engineering College, Chennai.	Chennai	National Seminar on *Biometric Authentication for information security.*	12th Feb 2010	Mr. Vinayak Hegde
28	Hyderabad Interanational Convention Centre Novtev, Hyderabad	Hyderabad	International Conference *(sun developer conference)* on *Cisco Networking Academy.*	18th to 20th Feb 2010	Mr. Vinayak Hegde
29	Central Institute of Indian Languages, Mysore.	Mysore	National Seminar on *Economic Development and Socio-Cultural Change in the Era of Globalisation'.*	25th to 27th March 2010	Dr. Roopa M C
30	Taj Residency, Bangalore.	Bangalore	International Conference on *Cisco Networking Academy.*	26th March 2010	Mr. Vinayak Hegde
31	JSS College for women (Autonomous) Mysore-9.	Mysore	National Seminar on *Enhancement of Library Services through Web.*	5th and 6th March 2010	Mr. Chetan Hegde M
32	JSS College for women (Autonomous) Mysore-9.	Mysore	National Seminar on *Enhancement of Library Services through Web.*	5th and 6th March 2010	Mr. Vinayak Hegde
33	Saltmarch Media India Pvt. Ltd.,Bangalore	Bangalore	National Seminar(workshop) on *The Great Indian Developer Summit.*	20th to 23 Apr 2010	Soumya Lekshmi
34	Organised by Department of CCR Amritpuri Campus, AVVP	Amritpuri	University level Workshop on *Open Source.*	17th to 26th Dec 2009	Sri.Mohana N C

35	Organised by Department of CCR Amritpuri Campus, AVVP	Amritpuri	University level Workshop on *Open Source.*	17th to 26th Dec 2009	Manoj V N

Amrita School of Biotechnology – Amritapuri:

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 Bio-technology	Biotechnology	Chemical Genomics	27/10/09	----------	ASBT, Amritapuri
2.	Amrita School of Bio-technology	Biotechnology	Brownian dynamics simulation of Biomolecules	10/11/09	----------	ASBT, Amritapuri
3.	Amrita School of Bio-technology	Biotechnology	Nanobiotechnology-Recent research perspective	17/11/09	----------	ASBT, Amritapuri
4.	Amrita School of Bio-technology	Biotechnology	Computational Drug Designing	24/11/09	----------	ASBT, Amritapuri
5.	Amrita School of Bio-technology	Biotechnology	Plant Tissue Culture – Concepts, Techniques and Applications	08/12/09	----------	ASBT, Amritapuri
6.	Amrita School of Bio-technology	Biotechnology	Studies on the modulators of GLUT4, an Insulin Regulated Glucose transporter	03/02/10	----------	ASBT, Amritapuri
7.	Amrita School of Bio-technology	Biotechnology	Molecular dynamic studies of GLUT4, an Insulin Regulated Glucose transporter and an insight into glucose transport mechanism	10/02/10	----------	ASBT, Amritapuri
8.	Amrita School of Bio-technology	Biotechnology	**In search of life in other worlds**	10/03/10	----------	ASBT, Amritapuri
9.	Amrita School of Bio-technology	Biotechnology	**Understanding Congenital Heart Disease**	17/03/10	----------	ASBT, Amritapuri
10.	Amrita School of Bio-technology	Biotechnology	**Activity of chlorine species in wound healing**	28/04/10	----------	ASBT, Amritapuri

11.	Amrita School of Bio-technology	Biotechnology	**Bioremediation and its future prospects**	05/05/10	---------- ----	ASBT, Amritapuri

**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	Research Forum Inaguration	College Auditorium, Chengannur.	Inaugural Address	16/10/09	Dr. Bipin Nair
2	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.
3	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
4	Indian Association for Cancer Research 29th Annual Convention.	AIMS, Cochin.	Cancer &Stem Cell Biology.	20/02/10 to 23/2/10	Mr. John Stanley & Ms. Aswathy A
5	Dept of CE & MS, Dept. of EEE, Coimbatore.	Dept. of Chemical Engg. & Materials Science Dept. of Electrical & Electronics Engg. Ettimadai, Coimbatore.	International Conference on Photochemical Conversion of Solar Energy	29/03/10 TO 30/03/10	Ms. Sreekala C. O.
6.	European Science Foundation at Obergurgi, Austria	----------	Nanotechnology for Sustainable Energy	04/07/10 to 09/07/10	Ms. Sreekala C O
7.	Academic Staff College, Kerala University	----------	Invited talk	06/08/10	Dr. Bipin Nair

Amrita School of Ayurveda – Amritapuri:

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.	Dept. of Swastha Vritta, Govt. Ayurveda College, Trivandrum	Trivandrum	CME on Obesity	17th Dec' 2009	Dr. B. Syamala
2.	Alvas Ayurveda Medical College	Moodbidri Karnataka	Standardisation of herbal medicines	6th January 2010 to 7th January 2010	Dr. Priyalatha
3.	C.M.E. Programme of Govt. of Kerala	Hotel Chaitram, Trivandrum	Etiology of Balapasmara	5th – 6th Jan 2010	Dr. Lekshmi
4.	MSM college	Kayamkulam	National Seminar on Medicinal Plants & pharmacopea	29th – 30th March 2010	Dr. Vimala
5.	MSM college	Kayamkulam	National Seminar on Medicinal Plants & pharmacopea	29th – 30th March 2010	Dr. Shiju
6.	Sri Jayendra Saraswati Ayurveda college	Chennai	Re-Orientation Training program in Dravyagunavijnana	21st – 26th December 2009	Dr. Menakadevi
7.	NRS Govt. Ayurveda College, Vijayawada	Vijayawada	Re-Orientation Training program – Rasashastra & Bhaishajya Kalpana	14th – 19th December, 2009	Dr. Abhay Mishra

Amrita School of Business – Coimbatore:

S.No.	Name of Institution organizing the programme	Location	Programme Name / Brief Description	Dates:	# Amrita Faculty Participants***
1.	SAP	Pune	TERP-10 Training Workshop	03/08/09 to 14/08/09	Prof. Bhawana Jain Prof. Sreekrishnan
2.	Birla Institute of Technology	Greater Noida	Workshop on Capstone Business Simulation	19/04/10 to 21/04/10	Prof. Sunil Puliyakot
3.	Southern India Regional Council of The Institute of Chartered Accountants of India	Namakal	SIRC Regional Residential CPE Seminar	28/05/10 to 30/05/10	Prof. Bhawana Jain

Amrita School of Education – Mysore:

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	Jubilee School AMV	Bangalore,	Orientation to the School teachers on teaching of Mathematics	28/05/10	Shri Sharad Sure
2	Amrita Vidyalayam, Mangalore	Mangalore	Orientation to the School teachers on teaching of Mathematics	09/06/10	Shri Sharad Sure
3	Kautilya Vidyalayam	Mysore	Work shop on Constructivism in teaching	14/11/09	Dr. K.V. Sridevi
4	Vijaya Teachers College,	Bangalore	National Seminar on Trends and prospects of teacher education in the context of NCFTE – 2009	06/08/10 to 07/08/10	Dr. K.V. Sridevi
5	Vidya Vikas B.Ed. College	Mysore	Work shop on under Semesterized Choice based Credit system & Continuous Assessment and Grading Pattern	26/04/10 to 27/04/10	Dr. K.V. Sridevi
6	Bharatidasan University	Tamilnadu	International Conference on E-resources in Higher Education	19/02/10 to 20/02/10	Dr. K.V. Sridevi
7	Immaculate College of Education for Women,	Puducherry	International conference on Women education for Empowerment	05/02/10 to 06/02/10	Dr. K.V. Sridevi
8	Excel College of education, Salem	Salem	National Seminar on Quality Concerns in Teacher Education	05/02/09 to 06/02/09	Dr. K.V. Sridevi
9	Ambedkar Open University,	Hyderabad	National Seminar on ODL in Education.	21/10/10 to 22/10/10	Venkatesha K.
10	KSOU Dept. of Research & Education Study Manasagangotri	Mysore	Educational awareness & training Programme for Teacher Educators of H.I.V/AIDS	27/07/10	Sanjay Bagadekar
11	Maharaja madakarinayaka first grade college	Chitradurga	International seminar cum annual conference 2010	01/11/10 to 03/11/10	Jyothish M.

12	Siddaganga College of Arts, Science & Commerce	Tumkur	National Conference on Academic libraries 2020	12/08/10 to 14/08/10	Manjunatha H.

Amrita School of Medicine – Kochi:

Faculty actively participated in several national and international conferences, seminars, CMEs, Workshops etc. Details of 2009-10 is as follows :

International Conferences - 82

National - 502

A total of 88 clinical presentations were made by various departments.

Amrita School of Pharmacy – Kochi:

GUEST LECTURES/ TALKS AND TRAINING PROGRAMMES ORGANIZED

a) Talk on, "Opportunities and challenges in clinical research", was conducted by D2L Academia of Excellence, Bangalore, on 24th July 2009.

b) Series of E-learning classes for M.Pharm students on, "NMR spectroscopy", by Dr. Prasanna Ramani, Asst. Professor, Amrita School of Engineering, Ettimadai.

c) E-learning class for Pharmacy Teachers conducted by Ms. Indukala P. Chandran, Sr. Lecturer, Dept. of Computers, Amrita School of Pharmacy.

d) Guest lecture on, "Wound Healing Research", by Prof. Eileen Thatcher, Dept. of Biology, Sonoma State, USA, on 16th Sep 2009.

e) A talk on, "Marine Research-Drug from the sea", is given by Dr. A. Laxminarayana, M.Sc, Ph.D, F.Z.S., Fisheries Consultant and Ex-Principal Scientist and Head, Fishery Environment Management Division, Central Marine Fisheries Research Institute.

f) Saraswathy Pooja conducted by Swami Poornamritananda Puri on 23rd Sep 2009.

g) IFCR (Inter-Ed Faculty of Clinical Research) has conducted orientation class on, "Pharmacovigilance and Clinical Trials", on 18th December 2009.

h) Vijay Menon (Human Resources and Organization Development External Associate to Ascendas India, Mentor and Designer for one of India's biggest business school leadership and HR assessment interventions, Training Panelist in the prestigious Kerala State Judicial Academy) gave a talk on Value Based Education, on 1st March 2010.

i) Dr. Valliappan Kannappan, Professor of Dept. Of Pharmacy, Annamalai University, Tamilnadu delivered a talk on " Chiral switch strategy" on Jan 25th & 26th at Amrita School of Pharmacy.

j) Dr. Prasanna Ramani, Asst. Professor ,Amrita School of Engg, Coimbatore gave lecture on Over – view of NMR Spectroscopy and Interpretation on 22nd& 23rd Feb 2010 at Amrita School of Pharmacy

k) K.P.U. Menon, Counsellor – Career and Placement, Directorate of Coporate and International Relations, Amrita University, Ettimadai visited Amrita School of Pharmacy on 26th May 2010 to discuss the various career openings in the pharmacy field.

l) Natarajan Ranganathan, Ph.D. Interim CEO, Senior Vice President (R&D),Kibow Biotech,PA,USA visited amrita school of pharmacy and given talk on " Research on probiotics for renal failure patients" on 05-04-10. Principal Founder, Senior VP (R&D) and key corporate person involved in all day-to-day operations of Kibow, Dr. (Rangan) Ranganathan has over twenty years of entrepreneurial experience in the chemical, medical and biotechnology fields. Dr. Rangan holds a dual Masters degree from the University of Poona, India and a Ph.D. in Bioorganic Chemistry from Temple University, Philadelphia, PA. His postdoctoral work and subsequent medical research activities were at the University of Pennsylvania, Hahnemann Medical College, PA and Johns Hopkins Medical Institutions, MD.

Faculty Participating in FDP Outside Amrita University

1. Mr. Sonal Sekhar, Sr. Lecturer of Amrita School of Pharmacy was invited speaker for the topic "Pharmacology and its implication on drug development" for Cliniminds - Academy for Clinical Research Training & Management on 28th June 2009.

2. Mr. Sonal Sekhar, Sr. Lecturer of Amrita School of Pharmacy was invited speaker for the Continuing Pharmacy Education for AIMS Hospital Pharmacist for the topic " Clinically Significant Drug interaction" on 29th & 30th June 2009.

3. Dr. K.G. Revikumar, Principal, Amrita School of Pharmacy visited USA in connection with an international invitation from Michigan University , Ann Arbor , USA . Purpose of his visit was academic exchange and training programme in Michigan University (From 20th July to 14th August 2009).

4. Mrs.Suja Abraham, Sr. Lecturer of Amrita School of Pharmacy was invited speaker for the topic "Roles and responsibilities of Sponsors, Investigators and CRO in Clinical Research" for Cliniminds - Academy for Clinical Research Training & Management on 4th & 5th July 2009.

5. Ms. Suja Abraham, Sr. Lecturer of Amrita School of Pharmacy was invited speaker for the Continuing Pharmacy Education for AIMS Hospital Pharmacist for the topic "Medication Errors- Special emphasis on dispensing errors" on 15th & 16th July 2009.

6. Mr.Emmanuel James, Professor of Amrita School of Pharmacy was invited speaker for the Continuing Pharmacy Education for AIMS Hospital Pharmacist for the topic "Patient Counselling Strategies" on 30th & 31th July 2009.

7. Dr. K.G Revikumar, Principal was invited speaker on the topic " Clinical Pharmacy- current scenario and future prospects" at 3rd National Conference on pharmaceutical research "Pharmacon 2010" held on 20th -22nd Jan 2010 at Nehru college of Pharmacy, Trissur

Amrita College of Nursing – Kochi:

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	Medical Surgical Nursing	Capsule Endoscopy	02/06/2009	20	Conference Hall- I floor, Amrita College of Nursing

2	Amrita College of Nursing	Obstetrical and Gynecological Nursing	Journal Presentation (An experimental study to determine the effectiveness of semi sitting position during second stage of labour on maternal & neonatal outcomes among primigravidae at Andhra Mahila Sabha, Chennai)	04/07/2009	16	
3	Amrita College of Nursing	In –service Education Dept, AIMS.	H1N1 Virus Flue	18/08/2009	11	
4	Amrita College of Nursing	Obstetrical and Gynecological Nursing	Journal Presentation (Effectiveness of massage therapy on the health promotion of newborn delivered by LSCS in maternity ward of OM Sakthi Hospital, krishnagiri)	20/08/2009	9	
5	Amrita College of Nursing	Mental Health Nursing	Transcranial Magnetic Stimulation	08/12/2009	7	
6	Amrita College of Nursing	Medical Surgical Nursing	Total contact cost in client with charcots foot.	15/12/2009	19	
7	Amrita College of Nursing	Medical Surgical Nursing	Problem solving skills	10/06/2010	32	
8	Amrita College of Nursing	Medical Surgical Nursing	Demonstration of advanced nursing manikin	07/07/2010	25	
9	Amrita College of Nursing	Mental Health Nursing	Covade Syndrome	21/07/2010	21	

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
111	Student Nurses Association of India	Calcutta	National SNA Conference – Effective Clinical Learning Environment	30/10/09 to 31/10/09	Prof. K.T. Moly (Resource Person)
22	CMC Vellore	CMC Vellore	National Conference of Nursing Research Society of India	12/11/09 to 13/11/09	Prof. K.T. Moly Prof. Anila K.P. Prof. Kanmani Job
3	Dept. of Physiology, AIMS, Kochi	Amrita Institute of Medical Sciences, Kochi.	CME on Consciousness	09/12/09	Prof. Kanmani Job Ms. Shiji Thomas
4	Government College of Nursing, Trivandrum	Government College of Nursing, Trivandrum	International Conference on Challenges in Clinical Nursing Research	09/01/10 to 10/01/10	Prof. K.T. Moly Prof. Sunil M. Mr. Gireesh K.K.
5	Omayal Achi College of Nursing, Chennai	ICMR Auditorium, IIT Chennai	International Conference on Qualitative Research methods	11/01/10 to 12/01/10	Prof. Sheela Pavithran Prof. Kanmani Job Prof. P. Chitra Bindu K. Sankar
6	Manipal College of Nursing	MIT Auditorium Manipal	National Conference on Pain and Palliative Care	05/02/10 to 06/02/10	Ms. Moly Hem (Resource person)
7	IGNOU	IGNOU Regional Centre, Kochi	Training programme on Research Methodology and Data Analysis	27/06/10 to 29/06/10	Ms. Shiji Thomas

Amrita School of Engineering – Amritapuri:

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	ECE	Satsang by Swami Poornamritananda Puri.	28/12/09	----------	----------
2	ASE	ECE	Introduction to Signal Processing by Mr. Nithin Nagaraj.	28/12/09	----------	----------

3	ASE	ECE	Wavelets and its application in signal processing by Mr. Sinith M.S.	29/12/09	----------	----------
4	ASE	ECE	Talk on Singular Value Decomposition (SVD) & Applications by Mr Nithin Nagaraj.,	30/12/09	----------	----------
5	ASE	ECE	Hands on session on SVD using MATLAB	30/12/09	----------	----------
6	ASE	ECE	Soft-core processor implementation in FPGA by Mr.Vyshak P.	31/12/09	----------	----------
7	ASE	ECE	AUMS training	31/12/09	----------	----------
8	ASE	CSE	FDP on Mathematics for Computer Science Dr. Sreeja A.P. , Mathematics, ASAS	24/05/10 to 28/05/10	23	E-learning room, ASE, Amritapuri
9	ASE	CSE	Workshop on Python programming FDP Anish Chandran. ,Lecturer	27/08/09 to 28/08/09	51	CAD Lab
10	ASE	CSE	FDP Nithin Nagaraj. gave talk on "Single Value Decomposition and its Applications". Matlab tutorial: Bri. Remya., ECE dept, AUMS training	28/12/09 to 29/12/09	28	E-learning room, ASE, CAD lab Amritapuri
11	ASE	CSA	Workshop of 10 days on "EFFECTIVE TEACHING AND LEARNING OF COMPUTER PROGRAMMING" in collaboration with IIT, Mumbai	14/12/2009 to 24/02/2010	15	E-learning Room, Amritapuri
12	ASE	EEE	FDP on lab sessions	----------	All teaching and Non teaching staff of EEE	Respective laboratories
13	ASE	IT	Image Processing	25/8/2009	-------	Amritapuri

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	Infosys Technologies Ltd	Amritapuri Campus	Deep Dive Faculty enablement programme	18/02/10 to 22/02/10	6
2	Amrita Institute of Arts and Sciences	Kochi Campus	Conference on Cyber security, Cyber Forensics and Cybercrime	19/08/09 to 21/08/09	1
3	CUSAT	Kochi	International Conference on Neuro Science Updates	12/12/2009 to 14/12/2009	1
4	Infosys, Bangalore	Infosys, Bangalore	Deep Dive Faculty Enablement programme. Mr.Gopakumar topped the coding contest.	22/07/09 to 26/07/09	M.Krishnakumar., Asst.Professor and Gopakumar., Lecturer
5	IIT Mumbai	IIT Mumbai	Workshop on National Mission on Education through Information Communication Technology	29/09/09 to 03/10/09	Bri. Vineetha.
6	IBM, Bangalore	Bangalore	IBM Rational Software conference	12/08/09 to 13/08/09	Bri. Dhivvya., Lecturer
7	Blender Foundation	Amsterdam	Blender Conference, 2009	25/10/09 to 27/10/09	Anish Chandran., Lecturer
8	SAINTGITS college of Engineering	Kottayam	Workshop on" Free and open Software tools for Engineering"	30/10/09	KrishnaKumar M. Asst. Professor
9	IIT Bombay	Mumbai	Continuing Education Programme- Winter School on Speech and Audio Processing 2010	12/01/10 to 15/01/10	Krishna Kumar M. , Asst. Professor
10	Mohandas college of Engineering & Technology, Thiruvanantha puram	Thiruvananth apuram	Workshop on Power Systems Analysis	16/01/09 to 17/01/09	Ms P.K. Preetha., Mr. Ajay Babu., Mr. Jaijith.

11	Centre for Development of Advanced Computing (CDAC), Thiruvanantha puram	Thiruvananth apuram	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	22/10/09 to 23/10/09	Ms. Preetha P.K. Ms. Divya R.
12	Amrita School of Engineering, Coimbatore	Coimbatore	International workshop on Advances in Electrical and Electronics Engineering	07/12/09 & 11/12/09	Ms. Disha Dinesh.
13	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 Amrita Center for Wireless Networks and Applications at the " sponsored by AICTE	19/03/10 to 20/03/10	Mr. Joshua Freeman.
14	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 (ICRA**M**E - 2010)	08/04/10	Mr. Joshua Freeman.
15	IEEE	Lecco, Italy.	2009 Haptics Audio Visual Environments (HAVE) conference sponsored by IEEE	07/11/09 to 08/11/09	Mr. Joshua David Freeman.
16	Infosys	Amritapuri	Deep Dive Faculty Enablement Program	18/01/10 to 22/01/10	Geetha M. , Asst Professor, IT dept. Vinitha Panicker J., Asst Professor, IT dept. Prathibhamol C. P., Lecturer, IT dept.)

17	IBM	Hotel Leela Palace, Bangalore	IBM Rational Software Conference	12/08/09 to 13/08/09	Bri Ruphiny.
18	ASE, Ettimadai	Ettimadai	International Symposium on Cloud Computing	22/12/09 to 23/12/09	Anjali T. Jyothi L. Krishnaprasad T .R.

Amrita School of Engineering – Bengaluru:

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, Bangalore	Dept. of EEE	Power Quality Improvement	01/07/09 to 15/12/09	10	ASE, Bangalore
2	ASE, Bangalore	Mathematics	Partial Differential Equations	09/09/09 to 11/05/10	14	ASE, Bangalore

**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	Indo US Faculty Leadership Institute (IUCEE 2009)	Infosys, Mysore	Advanced Lab View II Workshop	06/07/09 to 10/07/09	1
2	Axiom ETC, Ettimadai	ASE, Ettimadai	Windows Embedded Training - featuring the Windows CE 6.0 Embedded SP2	06/07/09 to 11/07/09	2
3	Axiom ETC, Ettimadai	ASE, Ettimadai	Windows Embedded Training - featuring the Dot Net Micro Framework Embedded SP2	12/07/09 to 13/07/09	2
4	----------	Hotel Le-Meridian, Bangalore	MATLAB & SIMULINK for Engineering Education	15/07/09	1
5	IBM	Hotel Leela Palace	Rational Software	12/08/09 to 13/08/09	3
6	Wipro	PESCE, Bangalore	Advanced Workshop Wipro Mission 10x	27/08/09 to 28/08/09	1

7	Project Management Institute, Bangalore Chapter	NIMHANS Convention Hall	Project Management Ethics	10/09/09	1
8	CDEEP, IIT Bombay	IIT Bombay	Effective Teaching/Learning of Computer Programming	29/09/09 to 03/10/09	1
9	Tata ELXSI, Bangalore	Tata ELXSI, Bangalore	Techniques to Improve class room training	03/10/09	1
10	IISC, Bangalore	IISC, Bangalore	Leveraging Innovations for Knowledge Economy	19/11/09 to 20/11/09	1
11	Texas Instruments, India	Bangalore	workshop on DSP	29/06/09 to 03/07/09	1
12	GE global research, John F Welch Technology Centre	Bangalore	Workshop on 'NDE modeling '	29/07/09	1
13	PES school of Engineering	Bangalore	Certificate course on 'Foundation of Image Processing and Pattern Recognition'	13/07/09 to 22/07/09	1
14	Tessolve Services Pvt. Ltd.	Bangalore	Workshop on 'VLSI Testing and Circuit Edit'	13/07/09 to 15/07/09	1
15	Centre for Development of Telematics (C-DOT)	Bangalore	Workshop on " Challenges & opportunities for R&D in Indian Telecom"	28/08/09	1
16	Altera university Programme and Enixs Technology	VIT University, Vellore	Workshop on 'FPGA based system design using Altera Tools'	05/09/09	2
17	Project Management Institute (PMI) at NIMHANS Convention Centre	Bangalore	Seminar on 'Project Management Primer'	10/09/09	2
18	Mentor Graphics	Bangalore	'EDA Tech Forum'	10/09/09	2

19	IIT Madras	Chennai	A short term training programme on ' Optical Engineering: From Devices to Networking'	23/11/09 to 28/11/09	1
20	National Engineering College	Kovilpatti	AICTE Sponsored Staff Development Programme on ' Fibre Based and Wireless Optical Networks'	07/12/09 to 19/12/09	1
21	VSI (VLSI Society of India)	NIMHANS Convention Centre, Bangalore	23rd International Conference on VLSI Design & 9th International Conference on Embedded Systems	07/01/10	2
22	Mentor Graphics, Bangalore	Bangalore	Seminar on "Analog & Mixed Signal"	12/03/10	1
23	M.I.T. (Boston, USA) and Cyber Media India	Bangalore	Conference on "Em India 2010"	8/03/10 to 9/03/10	1
24	Mentor Graphics	Bangalore	Seminar on " Analog & Mixed Signal "	12/03/10	1
25	Tata Communications	Bangalore	Technical talk on "WiMAX wireless technology"	08/04/10	5
26	Trimax Data Centre	Bangalore	Technical presentation on Data storage	15/04/10	4
27	ITU (International Telecommunication Union) (Geneva)-APT Foundation	Hyderabad	World Telecommunication Development Conference (WTDC) 2010	24/05/10 to 25/05/10	1
28	National Institute of Technology , Calicut	Calicut	MHRD-AICTE Faculty Development Programme (FDP) - 'Lab VIEW & APPLICATIONS'	13/06/10 to 19/06/10	3
29	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
30	Wipro Technologies	PESSE, Bangalore	Mission 10X	27/08/2009 to 28/08/2009	1
31	UTL Technologies	Bangalore	Design of Embedded Systems using ARM	03/09/2009	1
32	Amrita School of	Ettimadai	Advances in Electrical	07/12/2009	1

	Engineering		and Electronics Engineering	to 11/12/2009	
33	Amrita School of Engineering	Ettimadai, Coimbatore, Tamil Nadu	Power System Management	08/05/2010 to 10/05/2010	1
34	Amrita school of Engineering	Ettimadai, Coimbatore, Tamil Nadu	Power System Management	02/06/2010 to 04/06/2010	1
35	CMR Institute of Technology	Bangalore	Advanced Graph Theory in Engineering	31/07/09 to 01/08/09	2
36	Indian institute of technology	Chennai	Short term course on finite element modeling of rein forced Concrete Structures.	12/10/09 to 16/10/09	1
37	PESIT Bangalore	Bangalore	FDP on Advance in Material Technology	June 2010	1
38	DBIT Bangalore	Bangalore	Nanotechnology	29/04/10 to 31/04/10	3
39	Bosch Training Center	Bangalore	Advanced diesel Fuel Injection System	13/05/10	2
40	ASE, Amritapuri	Amritapuri	Workshop on Technical Communication: Presentation on Teaching Methodology and Aspects of Technical Communication	12/07/09 to 13/07/09	3

Amrita School of Engineering – Coimbatore:

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-CBE	CE&MS	Auditing by faculty of the classes being taken by subject experts (from our existing faculty) Please refer the Faculty workload for details Faculty Development Program on "Electronic Materials Science"	July 2009 To June 2010	Dr. S.S. Bhagawan, Dr. Nikhil Dr. Pravin Kannan Mr. M. Kannan Ms. Nithya K, Ms. Sindhu S Mr. Ramesh.P Mr. Vinoj Vasu, Ms. N. Rasana, Ms. K.P. Anjali	Departme nt of CE&MS in the respective classes
2	ASE-CBE	CE&MS	A Two week Certificate program in MATLAB	1st July 2009 to 14th July 2009	Faculty and Students	Computer LAb

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	IPI, Coimbatore subchapter	Roots Industries Ltd, Coimbatore	Guest lecture by Mr. S. Senthil Kumar Regional Manager, Engineering Polymers division, E.I. Du Pont India Pvt. Ltd., Chennai on " Engineering Polymers – The Key to success in Automotive Industry"	21/08/09	Dr. S.S. Bhagawan, M. Kannan, Meera B Sasikumar
2	National Institute of Technical Teachers' Training & Research" (NITTTR)	Chandigarh	Short term course on, "Biotechnology & Biochemical Engineering"	23/11/09 to 27/11/09	Ramesh P.
3	Government Engineering College Trichur	Trichur, Kerala	Application of ASPENPLUS for Process simulation and equipment design	February 2009	Dr. Pravin Kannan Dr. murali Rangarajan
4	Centre for continuing education (CCE) & Department of Chemical Engineering, Indian Institute of Science	Bangalore	Short term course on "Hazardous Material and Environmental Management	25/01/10 to 29/0110	Nithya K.
5	SSN College of Engineering,	Chennai	One day workshop on "Recent Advancements in pollution control	January 2010	S. Sindhu
6	Indian Oil Institute of Petroleum Management	Gurgaon, Delhi	Summer Training Program, "Petroleum Refining and Petrochemicals"	07/06/10 to 11/06/10.	Dr. Sriram Devanathan, Dr. Pravin Kannan and Mr. S. Sathiyan
7	IIT Delhi	Delhi	2 months Summer Faculty research Program at IIT Delhi	May June 2010	S. Sindhu
8	Institution of Engineers, Cochin Regional Center	Cochin	Chemical Engineers' Convention	09/10/09 to 10/10/09	Prof. R. Subba Rao
9	ISAMPE,	Trivandrum	INCCOM-8 (National	04/12/09 to	Prof. R. Subba

	Trivandrum Chapter		Conference on Composites)	05/12/09	Rao
10	Indian Institute of Chemical Engineers, Waltair Regional Center and Dept of Chemical Engineering, Andhara University, on	Vishakpatanam, Andhra Pradesh	CHEMCON 2009	27/12/09 to 30/12/09	Prof. R. Subba Rao

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 Engg.	Electrical and Electronics Engg.	IETE sponsored workshop on "Computing Technologies for Power Systems"	13/12/2010 to 17/12/2010	Dr. K.M. Mini	Amrita School of Engg.

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	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

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 Engineering	Computer Science and Engineering	Design Patterns Presented By : Mr. Kamesh (from TCS)	30.06.10		Amrita School of Engineering,

						Ettimadai
2.	Amrita School of Engineering	Computer Science and Engineering	attended a FDP on ”Data Mining”	26.03.10	Ms. G.R.Ramya, Ms. D. Bharathi	Amrita School of Engineering, Ettimadai
3.	Amrita School of Engineering	Computer Science and Engineering	ISTE workshop on “Effective learning/teaching of Computer programming”	14.12.09 to 24.12.09	Ms. P. Malathi, Ms.P.Subathra, Ms, T.Bagyammal, Ms. K.Abirami, Ms.D.Bharthi Ms. G.R.Ramya and Ms.S.Maheswari	Amrita School of Engineering, Ettimadai
4.	Amrita School of Engineering	Computer Science and Engineering	International Conference on Cloud Computing Organized by IBM	22.12.09 to 23.12.09	Ms. P. Malathi, Ms.P.Subathra, Ms. V.Smrithi Rekha, Ms. T.Bagyammal, Ms. K.Abirami, Ms.D.Bharthi, Ms. G.R.Ramya and Ms.S.Mahsewari	Amrita School of Engineering, Ettimadai

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.	IEEE	Kaula Lumpur, Malaysia	Attended a international Conference on “Intelligent and Advanced Systems,2010 “.	15.06.10 – 17.06.10	Ms. Hema P Menon
2.	Amrita Institute of Medical Sciences	Kochi	Attended one day workshop on “Medical Simulators”	05.02.10	Prof. P.N.Kumar, Dr. R.Karthi, Asst. Prof. T. Senthil Kumar, Asst. Prof. Hema P. Menon, and Asst. Prof. A. Baskar
3.	Avinashilingam University for Women	Coimbatore	Attended UGC sponsored workshop on “Capacity Building for Women Managers in Higher Education”	14.12.09	Ms. V. Smrithirekha
4.	VLB Janakiammal College of Engineering and Technology	Coimbatore	attended national workshop on”Research directions in virtualization”	20.11.09-21.11.09	Ms. G.R. Ramya
5.	Infosys Development Centre	Chennai	Insight Ver 2.0 (attended the workshop)	22.09.09 - 23.09.09	Prof. P.N. Kumar
6.	IEEE & IIT-B	Bangalore	Attended International Workshop on “Technology for Education”	04.08.09 - 06.08.09	Ms. V. Smrithirekha
7.	ICTACT at Anna University	Trichy	Attended national level workshop on “J2EE and	19.09.09 – 20.09.09	Ms. P. Malathi, Ms. P. Subathra, Ms. T.

			best practices in programming"		Bagyammal, and Ms. K. Abirami
8.	KGiSL-IIM	Coimbatore	attended faculty development programme on "ORACLE 10g"	19.09.09	Ms. G.R. Ramya
9.	IEEE		attended as session chair for the First International Conference on Computational Intelligence, Communication Systems and Network	23.07.09 – 25.07.09	Dr. Radha Guha, Associate Professor

Guest Lectures / Invited Talk

SL. No	Name And Designation Of The Staff	Period of the Conference	Name of the Conference / Seminar attended
1.	Asst. Prof. M. Senthil Kumar	**23.03.10**	**Delivered a lecture on "Network simulator 2" on 23th March 2010 at Dr.NGP Institute of Technology, Coimbatore organized by Department of Information Technology.**
2.	Asst. Prof. A. Baskar	**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 Vidyapeeetham, Ettimadai.**
3.	Asst. Prof. Hema P. Menon	**17.03.10 – 20.03.10**	**Delivered a lecture 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 Vidyapeeetham, Ettimadai.**
4.	Asst Prof. T. Senthil Kumar	**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 Vidyapeeetham, Ettimadai.**
5.	Dr. R. Karthi	**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 Vidyapeeetham, Ettimadai.**
6.	Dr. Latha Parameswaran	**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 Vidyapeeetham, Ettimadai**
7.	Asst. Prof. S. Thangavelu	**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.
8.	**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 College, Trichy organized by Department of Information Technology.**
9.	**Asst. Prof. M. Senthil Kumar**	**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.**
10.	V. Anantha Narayanan	**28.08.09 – 29.08.09**	**Delivered a technical session on "Wireless Networks" in the IET UK Sponsored National Level Workshop organized by Vivekanada College of Engg for Women, Tiruchengode**
11.	V. Anantha Narayanan	**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**
12.	V. Anantha Narayanan	**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**
13.	**A. Baskar** **Assistant Professor**	**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**

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 Coimbatore	EEE	International Workshop on Advances in Electrical and Electronics Engineering	7/12/2009 to 11/12/2009	A.Vijayakumari S.Selvakumar D.Kavitha S.E.A.Suba G.Tharani S.Sampath Kumar Sarath.S.Nair G.R.Sangeetha K.R.M.Vijayachandrakala S.Balamurugan Maya.P D.Prasanna Vadana	IT Block Conf hall
2	ASE Coimbatore	EEE	FDP on power system management	02/06/2010 to 04/06/2010	A.Vijayakumari S.Selvakumar D.Kavitha S.E.A.Suba G.Tharani Sarath.S.Nair G.R.Sangeetha K.R.M.Vijayachandrakala S.Balamurugan Maya.P R.Jayabarathi M.R.Sindhu S.R.Mohanrajan	IT block class room
3	ASE Coimbatore	EEE	Amrita Workshop on Energy Efficiency in Building, Codes & Rating	30/07/2009 to 31/07/2009.	G.Tharani Sarath.S.Nair G.R.Sangeetha	IT Block Conf hall
4	ASE Coimbatore	EEE	Photochemical conversion of solar energy	30/03/2010 to 31/03/2010	G.Tharani Sarath.S.Nair G.R.Sangeetha	Amriteswari hall

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	Delhi	Recent Advances in sustainable Energy	15/12/2009 to 16/12/2009	A.Vijayakumari S.Sampath Kumar

2	IIT	Chennai	Recent Trends in Condition Monitoring of Power Apparatus and Systems	26/10/2009 to 30/10/2009	D.Kavitha
3	Karunya University	Coimbatore	Production of Liquid Fuels From Waste by Pyrolysis	08/04/2010	S.Selvakumar
4	Coimbatore institute of Technology	Coimbatore	Power Quality and Energy Management Perspectives in Indian industries	24/07/2009 to 25/07/2009	G.Tharani V.Vanitha
5	Sri Krishna College of Engineering	Coimbatore	Wind Energy Technology	20 /2/ 2010	V.Vanitha
6	National Institute of Technology	Calicut	LabView and its applications	13 /06/2010to 19 /06/ 2010	S.Sampath Kumar S. Esakki Anandha Suba
7	NIT	Calicut	Micro Grid & Distributed Generation	21/06/2010 to 2/07/2010	S.Sampath Kumar
8	PSG Polytechnic College	Coimbatore	Mobile Wireless Application Development	25/9/2009 to 26/9/2009	D Prasanna Vadana and R Shanmuga Sundram
9	VIT	Vellore	ARM Processors	22/10/2009 to 25/10/2009.	R .Shanmuga Sundram
10	Confederation of Indian industries	Coimbatore	Energy conservation and sustainable development	November 2009	Sarath.S.Nair

English Department

S. No.	School Name	Department Name	Programme Name	Dates: (DD/MM/YY to DD/MM/YY)	# Attendees	Location / Venue
1	ASE	English	Updating Teaching Methods in English	12&13 July 2010	1. Ms. Ambika P. 2. Ms. Sreena	ASE Amritapuri

Mathematics Department

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	Centre for Mathemaical Science	South, Pala Hill Area Campuses, Arunapuram, Palai, Kerala-686574	National Workshop, on "Graph Theory Applied to Chemistry"	1/02/2010 to 3/02/2010	Dr. Kumar Abhishek
2	Centre for Mathemaical Science	South, Pala Hill Area Campuses, Arunapuram, Palai, Kerala-686574	Workshop on "Signed Graphs, Set-Valuations and Geometry"	16/08/2010 to 20/08/2010.	Dr. Kumar Abhishek

Mechanical Engineering Department

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	Mechanical Engg.	NI LabVIEW Hands on training	10/4/2010	All the faculty of Mechanical Engg.	CAD/CAM Lab, ASE, Coimabtore.

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	Amrita, PSG Tech	Amrita, PSG	International Conference	11-12 December, 2009	Mr.P.Krishnakumar
2	IIT Madras	IIT Madras	Workshop	December 19-20, 2009	Mr.P.Krishnakumar
3	IIT Madras	Chennai	Short term program on Partial differential equations	December, 7-16, 2009	Mr.Tamilarasan
4	IIT Madras	Chennai	Short term program on Partial differential	December, 7-	

			equations	16, 2009	Mr. A.S. Prakash
5	Anna university	Coimbatore	Wavelets and its applications	5-6th,March 2010	Mr. M. Saimurugan
6	VIT,	Vellore	Vibrations in the rotating machinery	26-28th,March, 2010	Mr. M. Saimurugan

8. Total number of seminars/workshops conducted:

Amrita School of Arts & Sciences - Amritapuri

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.	Lectures given in the dept seminar by Dr.T. K .N. Balu on "Divinity in Literature" Dr Ramanathan P.V- "Better Vocabulary" Dr Sujatha K.K "Teaching of English"	27/08/09	Local		Amrita Vishwa Vidyapeetham, Amritapuri Campus	
			Within State			
			Outside State			
			Members of the faculty from the Dept of English			
2.	Ms. Shibani Aich- Teaching Business Communication	16/01/10	Local		Amrita Vishwa Vidyapeetham, Amritapuri Campus	Amrita University
			Within State			
			Outside State			
			Members of the faculty from the Dept of English			
3	"Techniques of Acting", presented by Rajesh Hebber, noted cine actor , followed by documentaries, demonstrations	13/01/10	Local		Amrita Vishwa Vidyapeetham, Amritapuri Campus	
			Within State			
			Outside State			
			Students of the School of Engineering and Art & Sciences, members of the faculty			

4	Seminar by Prof. Nayarayan from Harvard Business School	07/01/10	Local			
			Within State			
			Outside State	10		
5	Personality Development session by Dr. Ratheesh Ambat	14/01/10 to 18/01/10	Local			
			Within State			
			Outside State	45		
6	Business Skills Development Programe by Directorate of Corporate and International Relations(CIR)	----------	Local		All B.Com and BBM students (2008-2011 Admission)	
			Within State			
			Outside State			
7	Invited talk on Global Warming	14/08/09	Local		Amrita Vishwa Vidyapeetham	Successfully completed & generated a lot of interest
			Within State			
			Outside State			
8	Harmonic Analysis	24/06/09 to 27/06/09	Local	40	NBHM	
			Within State			
			Outside State			
9	Quantitative Theory of Differential equations	14/06/10 to 17/06/10	Local	15	Internal	
			Within State			
			Outside State			

Amrita School of Arts & Sciences - Mysore

S. No.	Name of the Seminar / Workshop organized by the Department	Dates	Number of Participants	Source of Funding	Seminar / Workshop Outcome
1.	Proposals, Research Methodologies and Publishing Papers	26-02-2010	Local - 120	Management	Provided insights into the research process and adequate inputs to develop writing skills
2.	RedHat Linux	20-01-2010	Local-	-	An awareness in opensource operating system
3.	Basics of PC Hardware and Networking	Februry 2010	150		It framed a strong base to facilitate the easier and quicker learning

Amrita School of Arts & Sciences - Kochi

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.	Amrita Film Fest 2010	6 - 7 February 2010	Local		Own Funds	
			Within State	50		
			Outside State			
2.	40 Years of Internet – Trends and Technologies	3rd October 2009	Local	100	Own Funds	
			Within State			
			Outside State			
3.	'40 years of NET - Media Perspectives' and '50 Years of Doordarshan'	3rd October 2009	Local	80	Own Funds	
			Within State			
			Outside State			

Amrita School of Biotechnology – Amritapuri:

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.	**'In search of life in other worlds' by** Dr. G.K. Sasidharan, Former Vice Chancellor, Calicut University	10/03/10	Local		Amrita Vishwa Vidyapeetham	
			Within State			
			Outside State			
2.	**"Understanding Congenital Heart Disease"** by **Dr. Krishna Kumar**, Professor, Pediatric Cardiology, Amrita Institute of Medical Sciences, Cochin	17/03/10	Local		Amrita Vishwa Vidyapeetham	
			Within State			
			Outside State			
3.	**"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		Amrita Vishwa Vidyapeetham	
			Within State			
			Outside State			
4.	**"Reverse Engineering Brain Circuits" by Dr. Satish S. Nair,** Director, Centre for Computational Neurobiology, University of Missouri,	30/07/10	Local		Amrita Vishwa Vidyapeetham	
			Within State			
			Outside State			

	Columbia, USA					

Amrita School of Ayurveda – Amritapuri:

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.	Ashtanga Hridaya Parayanam (Rendering slokas of Ashtangahridaya, Sutrastana)	12th November 2009	Students of Amrita School of Ayurveda	Amrita School of Ayurveda	

Amrita School of Dentistry – Kochi:

Department	Programme / Topic	Resource Person	Date
Amrita School of Dentistry	Seminar on Social awareness Clinical research methodology	Mr. Vijayan Menon Dr. Chandrashekar	

Amrita School of Medicine – Kochi:

CMEs/Conferences/workshops/seminars conducted :

Prof. Lindsay Brown, School of Biomedical Sciences, University of Queensland, Australia - 5-7-2009 - interaction with faculty, PGs and PhD students.

Endocrinology - 1st & 2nd Aug.2009: 5th Amrita Diabetes and Endocrinology Update – 2009 at Amriteswari Hall, AIMS). ADIEU or the Amrita Diabetes and Endocrinology Update was held for the first time in 2005, and following its success in 2006 ,2007 and 2008, and this was the 2009 version of the educational program. Each conference has a theme, and this time, the conference will focus on "The Art and Science of Clinical Endocrinology".

Microbiology - 8-8-2009: along with Association of Clinical Microbiologists, has conducted a CME on “Current Topics in Microbiology” at AIMS.

Paediatrics - 9-8-2009: organized a one-day CME on “The Current Concepts in Pediatrics” at Amriteshwari Hall, AIMS, Kochi. Several distinguished faculty memebrs, both in and outside AIMS participated and addressed relevant issues on the changing trends and current advances in pediatrics.

19-21/8/2009: Indo US Workshop and Conference on **Cyber Security**, Cyber Crime and Cyber Forensics.

Orthopaedics - 11-9-2009: Inagural Ceremony of the OASIS Pre Conference workshop on Arthroplasty/Endoscopic Spine Surgery at Amritheswary Hall, AIMS, Kochi.

Cancer Institute & Institute of Molecular Medicine 13-10-2009: organized a lecture by Dr. Amit Bardhan, Scientist and Post Doctoral Fellow in US on "Meiosis: Sisters move together with Zip1."

The Head & Neck Department 21-10-2009: organized APSI accredited CME programme in Head and Neck. The Indian Head and Neck Cancer Congress followed the CME programme at the IMA convention centre till 25th October 2009.

Surgical skill lab - 16th to 30th Oct.2009 : In collaboration with the Central Animal Facilty, the surgical skill lab conducted a hands on microsurgery course/workshop.

Biochemistry: 4-11-2009 : Inauguration of Conference of the Association of Clinical Biochemists of India organized at the AIMS campus.

Endocrinology : 12-11-2009 : Celebration of World Quality Day

8-11-2009 : On the occasion of DIAFEST – World Diabetes Day 2009 - one day workshop on “Living with Diabetes” conducted by the Department of Endocrinology (ADWA) at the AIMS campus for staff, students, and general public.

Community Medicine: 11-11-2009 : – Mass Drug Administration on the occasion of eradication of filariasis by 2015 - The Dept. of Community Medicine provided the drugs to the staff & students of the AIMS through temporary booths set up for the purpose. For the patients and bystanders the drugs provided on request.

Endocrinology: 7-14/11/2009 **:** World Diabetes Day following programmes organized by AIMS :

7-11-2009 - Diabetes Camp for public at N.S.S. Karayogam Hall, Edappally.

8-11-2009 : Workshop on Diabetes management for public

10-11-2009 : Workshop on Diabetes for Nurses

11-11-2009 : Quiz competition on Diabetes for intercollegiate nursing students

13-11-2009 : Awareness classes for ADWA members

14-11-2009 :Get together for Type 1 Diabetic children with educational programmes.

Administration: 9-11-2009 : Celebration of World Quality Day :

In connection with World Quality Day Celebration, AIMS is conducted an Essay Competition on 9th November 2009, Monday. Topic : What does "Quality in Health Care" means to you ? The competition was conducted in 4 categories.

(1) Undergraduate Students (Including MBBS, BDS, B.Pharm, B.Sc Nursing, B.Sc MRT, B.Sc Optometry students)

(2) Nursing staff

(3) Administrative staff (including Secretaries, PRAs etc.)

(4) Faculty Members (including Post graduate students)

First Prize - Rs. 1000/- (for each category)

Second Prize – Rs. 500/- (for each category)

World Quality Day will be celebrated on 12th November 2009 in Amritheswari Hall from 4.30 PM to 5.30 PM.

Radiodiagnosis: 12-11-2009 : During the World Radiography Day, the Department of Radiology conducted a commemorative function at Amriteswari Hall, AIMS campus.

ENT: The department is organizing a CME on "Otology" & workshop on " Temporal Bone" from 4th to 6th Dec. 2009.

Ophthalmology : 9-10th Jan.2010 : National symposium on Ocular Infections, Infection Control and Theatre Sterilization – conducted by the Department of Ophthalmology and Department of Infection Control. A post lunch session on consumer protection "**Did I do something wrong**" dissects the role of doctors as well as patients in the consumer situation was also held during the conference.

Hospital Admn. 16-1-2010: 18th Advanced Cardiac Life Support (ACLS) training prog in association with Critical Care Education Foundation (CCEF) -India

Plastic Surgery: 16th & 17th Jan.2010 : Plastic Surgery Dept organized a CME program, as a part of the Kerala Plastic Surgery Association's teaching program at Amriteshwari Hall.The topic of the program was "cleft lip and cleft palate management". Dr. Sam C Bose, Former President of APSI inaugurated the meeting and Dr. Pratapan Nair; Principle presided over the inaugural function.

Pain & Palliative: 15-2-2010 : The Department of Pain & Palliative Medicine conducted a six weeks Certificate Course in Pain &Palliative Medicine (CCPPM) from 15-02-2010.

Central for Digital Health: 5-2-2010 : Center for Digital Health organised an interactive Session on SIMULATION BASED MEDICAL EDUCATION at the Annapoorneshwari hall from 9:00 AM till 4:00 PM. Clinical Simulation is the newest technological innovation to enter the medical education environment. Simulations of real clinical events is today recognized as the best teaching resource to reduce pressure on limited access to live clinical exposures, increase confidence of trainees, and improve patient safety and rigor to the credentialing and precepting process. Faculty, staff and students attended the workshop which was an excellent learning opportunity, as well as a venue for the exchange of ideas along with hands on experience on High fidelity Patient Simulators like Simman, SimNewB, Cardio Sim etc for a thorough understanding of Patient Simulation and the significant changes that this technology can bring in the quality of medical care.

Hosp. Admn. :11-2-2010 : Inauguration of the Basic Life Support (BLS) & Pre-hospital Trauma Care training program for the police personnel of the Ernakulam district, held at Main Auditorium-B Block of Amrita Institute of Medical Sciences at 10.00am. Mr. Jacob Punnoose IPS, Director General of Police was the chief guest.

Neurology: 11-2-2010 : Inauguration of new Neuroelectrophysiology lab and sleep centre and initiation of Amrita Epilepsy Programme. The President of International League Against Epilepsy was the chief guest.

Plastic Surgery: 24-2-2010: Organized a CME at IMA House, Kaloor. Scientific session: Chairperson Dr.Sanjeev K Singh. Speakers (1) Dr.Sandeep Vijayaraghavan ("Hair transplant – current status") (2) Dr.Kishore P ("Management of brachial plexus injuries") (3) Dr.Subramania Iyer ("Management of facial paralysis and mycotia").

Pulmonary Medicine: Hosted Univent 2010, the Southern Regional Workshop on Non Invasive Ventilation. This will be a one day academic programme with 6 lectures in the pre-lunch session and a workshop in the post-lunch session, both involving eminent national level faculties.

Nephrology: 11-3-2010 : 'KIDNEY TRANSPLANT MEET 2010', function organised on the World Kidney Day (11 March 2010) to honour the donors for their noble act of giving new lease of life to their dear ones. We have completed 250 renal transplants in our institution till date which includes 10 cadaveric transplants.The family members of the cadaveric donors will be honoured in the meeting.

Endocrinology : 13-3-2010 **: I**n connection with the inauguration of its Pediatric Endocrinology Division, the Department of Endocrinology organized a one day CME programme on " The Amrita Pediatric Endocrinology Update 2010" . Dr Nalini Shah, President of the Indian Society of Pediatric and Adolescent Endocrinology from KEM, Mumbai inaugurated the new unit.

: CME on Leprosy: 11-4-2010 ; Graduates, Post Graduates and young doctors attended the CME. Speakers include 25 Professors and Consultants from different parts of Kerala as well as Tamilnadu.

: Samskritam camp (Samskritam Simplified). 1st to 4th April **The emphasis of class was to improve conversation in Samskritam.**

Head & Neck Surgery : 21st to 23rd May, 2010 : Department of Head & NEck Surgery in association with Indian Society of Facial Plastic & Reconstructive Surgery hosted "Osteomould 2010" a Workshop on Distraction Osteogenesis of Facial Skeleton.

Obstetrics & Gynaecology : On 30-5-2010 Obstetrics & Gynaecology organized one day CME "Amrita
OB-GYN Update - 2010" .

The Department of Clinical Psychology : On 12-6-2010 conducted an orientation programme at Kochi Campus for the Principals and teachers of Amrita Vidyalayam Schools in Kerala. The theme of the workshop was "Enhancing Learning Abilities in Children". **Prof Anand Kumar, Prof Sajitha Nair, Dr.Chitra Venkiteswaran,along with Ms. Smitha and Ms. Leena** from Clinical Psychology focused on topics such as scholastic and behaviour problems in children, management issues and the need for all-round skill development. This is the first of a series of programmes aimed at creating awareness of issues in Child Mental Health.

The Department of Head & Neck Surgery: On June 28th to July 9th, 2010, conducted the 7th Amrita Microvascular Training Programme & Flap harvesting course. The course was conducted in 2 batches at Animal Skill lab, AIMS. On 3rd and 4th July 2010, the Department also conducted Flap harvesting course at Medical College, Thrissur.

Special Lectures organized:

Prof. Lindsay Brown, School of Biomedical Sciences, University of Queensland, Australia - 5-7-2009 - interaction with faculty, PGs and PhD students.

Dr. Robert E. Petras, M.D. Biosketch - 22-8-2009: Special Grand Round by on "The serrated polyp family and its relationship to MSI-H colorectal cancer. Lecture on K-RAS; BRAS testing as well". Dr.Robert is the
National Director for Gastrointestinal Pathology Services at AmeriPath Inc; Managing Director of AmeriPath Cleveland and as Medical Director and GI Pathology Fellowship Training Program Director at AmeriPath's Institute of Gastrointestinal Pathology and Digestive Disease, in Oakwood Village, Ohio.

Dr.Kallal Pramanik, Ph.D. Postdoctoral Fellow, Developmental Vascular Biology Program, Translational & Biomedical Research Centre, Medical College of Wisconsin, U.S.A. **-** 22-9-2009 - Invited lecture & Research Presentation – Topic – "Birthmark or blood vessel problem ? Zebrafish offers early insight".

Prof B.M.Hegde Senior Physician , Great Academician, Orator and Medical Philosopher addressed faculty during grand rounds on 12-1-2010 – Topic 'META MEDICINE- THE FUTURE OF MODERN

MEDICINE.'

Prof. Roy Bicknell, D. Phil in Biochemistry from University of Oxford & Post doctoral fellowship at Boston; a senior scientist at the Imperial Cancer Research Fund Laboratories at the Institute of Molecular Medicine at Oxford, delivered a talk on 25-2-2010 - The title of lecture 'Angiogenesis in normal and abnormal states'.

Dr.Raman: 19-3-2010 : Amrita Yuva Dharma Dhara – conducted a talk "Bhartiya Darshanangalile Yuktichintha".

Dr. Chris Holt, University of Northampton, UK delivered an invited talk on 29-3-2010 on "Climate Change and Temperature change and the implications of heat and cold related mortality".

Sri Vijayan Menon, MBA (Famous speaker and Management Expert): 28-4-2010: Invited lecture: Topic: "Sealing on Desire"

Dr. Sylvie Chevillard, from France: 21-5-2010: Special lecture by on "Gene expression signature of radiotherapy-induced thyroid tumours".

Amrita School of Pharmacy – Kochi:

1. A three day workshop on Pharmacoconomics and Quality of Life by Dr.Rao S Pippalla , Principal & Dean, Vignan Institute of Pharmaceutical Sciences, Hyderabad was held at Amrita School of Pharmacy , Amrita Viswa Vidyapeetham, Kochi on 17th to 19th June 2009 .

2. Two day professional development programme on " Modern Trends in Pharmacy Practice" on 28th and 29th Aug 2009 at AIMS.A two day national seminar on " Modern trends in Pharmacy practice" on 28th and 29th August 2009 which included the topics namely, Drug store Management, Procurement & inventory control in Hospital & community pharmacy, Storage condition and requirement present scenario in India Formulary systems in India, Role of pharmacists in healthcare Poly pharmacy-Indian Scenario, Medication errors & Indian case studies, Patient counseling strategies
3. Two day International Workshop on Pharmacoeconomics in Indian Healthcare at Amrita School of Pharmacy, Kochi, on October 19-20, 2009
4. A two-day international workshop on Pharmacoeconomics in Indian Healthcare was organised at Amrita School of Pharmacy, Kochi, Kerala, on October 19-20, 2009. The speakers at the event include Dr Rajesh Balakrishnan, (Director, Centre for Medication Use, Policy & Economics at the University of Michigan), Dr Pippalla S Rao, (Principal, Vignan Institute of Pharmaceutical Sciences, Andhra Pradesh), Dr KG Revikumar (Principal, Amrita School of Pharmacy, Kochi), Dr KR Sundaram (Professor & HOD, Department of Biostatistics, Amrita Institute of Medical Sciences), Dr Jose VT (Department of Economics, Sacred Heart College, Kochi) and Dr Shobha Rani (Professor & HOD, Department of Pharmacy Practice, Al-Ameen College of Pharmacy, Bangalore).

Amrita School of Engineering – Amritapuri:

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.	ISTE workshop on "Effective teaching/learning of Computer Programming	28/06/10 to 10/07/10	Local Within State Outside State		MHRD	Faculty from different Kerala colleges could participate.
2.	ISTE workshop on "Effective teaching/learning of Computer Programming	14/12/09 to 24/12/09	Local Within State Outside State		MHRD	Faculty from different Kerala colleges could participate.
3.	IETE- PAC & *Lakshya* organized a seminar on "Engineering for a Cause"	April, 2009.	Local Within State Outside State		-------	----------
4	IETE-PAC & *Lakshya*	----------	Local		----------	Targeted to

	organized IDEA 2009		Within State Outside State			award the best project idea which addresses social issues of village people.
5.	Inauguration of a student chapter of SAE (Society for Automotive Engineer), Amritapuri by Sri Ommen Mathew., General Manager, Production, Ford India	08/08/09	Local Within State Outside State		----------	----------
6.	SAE organised 'COLT' A leadership Training Conference" in Amritapuri Campus	06/03/10 to 07/03/10	Inside the Campus Within State Outside State		---------- -----	----------
7	ROBO2010 a national level robotics workshop on "Embedded based system and VLSI Design on Robotics" organised by Lakshya and International Institute of Information, Pune	29/01/10 to 31/01/10	Local Within State Outside State		----------	----------
8	Technical seminar by Dr. Shambhu Upadhyaya. , Professor, Director, CEISARE, Department of Computer Science and Engineering, University at Buffalo, The State University of New York, on broad area of cyber security	23/08/09 to 24/08/09	Local Within State Outside State	50	Amrita	----------
9	Python Programming	26/08/09 to 27/08/09	Local Within State Outside State	50	Amrita	----------
10	Virtual LANs for high Network Performance	28/08/09	Local Within State Outside State	27	Amrita	----------
11	Web Services	25/08/09	Local Within State Outside State	29	Amrita	----------
12	Machine Learning Methods	25/08/09	Local Within State Outside State	33	Amrita	----------
13	How to share a secret- How to read and understand research paper (Adi Shamir's)	26/08/09	Local Within State Outside State	30	Amrita	----------
14	'PICTris 2009' – an Intra	19/10/09 to	Local	58	-------	----------

	School Workshop on PIC Microcontrollers, organized by the IEEE student chapter	23/10/09	Within State Outside State Within State Outside State			
15	Distinguished Lecture on "Future visions for high efficiency power plants and Recent developments in solid oxide fuel cell systems"	17/08/09	Local Within State Outside State	130	----------	----------
16	Power system analysis using ETAP/PSCAD software	13/07/09 to 14/07/09	Local Within State Outside State	25	---------	----------
17	Distinguished Lecture on "Micro Renewable Energy "	06/08/09	Local Within State Outside State	120	----------	----------
18	Workshop on "Programmable logic Controllers and SCADA"	24/11/09 to 27/11/09	Local Within State Outside State	36	----------	----------
19	Workshop on "Pspice based system simulation"	28/12/09 to 29/12/09	Local Within State Outside State	20	----------	----------
20	Invited talk on "Human resources and material management in large scale projects"	16/02/10	Local Within State Outside State	60	----------	----------
21	"IMPERIUM 2010"	08/03/10 to 09/03/10 & 11/03/10	Local Within State Outside State	150	----------	----------

Amrita School of Engineering – Bengaluru:

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	Seminar on 'MATLAB', ECE Department	14/08/09 to 20/08/09	Local Within State Outside State	15 - -	ASE, Bangalore	-------
2	"Effective Teaching Learning of Computer Programming" hosted by CSE Dept.,	14/12/09 to 24/12/09	Local Within State Outside State	2 6 -	IIT Bombay, Mumbai	Effective Teaching Methods for Computer Programming

	ASE, Bangalore, conducted by IIT, Bombay					

Amrita School of Engineering – Coimbatore:

ASCOM

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.	Ms. Adriana Di Lello, Fashion Editor-in-Chief of Elle, Italy	8.8.2009	60		N/A	

CEN

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 Workshop on Building Wordnet for Indian Languages	11/06/2009 to 14/06/2009	Local Outside State With in State	30	MHRD	First ever national level workshop for building Wordnet. Discussion and consensus regarding various strategies and approaches for different languages to be used in a common wordnet API

CE & MS

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 Conference on Smart & Electronic Materials and Devices	23/10/09 to 24/10/09	Local Within State Outside State	350 25 10	DRDO, ISRO, DST, CSIR	Promoting interdisciplinary research. Exposure of the students and faculty to the latest trends in electronic materials and devices
2.	International Conference on Photochemical Conversion of Solar Energy	29/03/10 to 30/03/10	Local Within State Outside State	300 40 20	ISRO, DST, CSIR, DRDO, BRNS	To promote interaction between industry, academia on the latest developmen t s. To

						promote collaborative research in PV energy

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.	Advances in Construction Materials Technology by Dr. Manu Santhanam	08.01.2010	Local	**70**	**Internal**	
2	Materials Science of Concrete- Microstructures, Performance and Sustainability by Dr. Narayanan Neithalath	03.01.2011	Local	**130**	**Internal**	

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.	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			
2.	Image Processing and Matlab Programming	17/03/10 – 20/03/10	Local	45	*	
			Within State			
			Outside State	5		
3.	ASCII-FOSS project contest	Nov, 2009	Local		*	
			Within State			
			Outside State			
4.	Cerebral wars	12/10/09	Local	300	*	Made awareness to students on latest technology
			Within State			
			Outside State	100		
5.	Technology for Social Welfare'09	09/10/09	Local		*	
			Within State			
			Outside State			
6.	Embedded Wireless Technologies	13/09/09	Local	52	IETE	Students got Hands-on Exposure to Wi-FI, ZigBee, BlueTooth and Embedded Web Server Technologies.
			Within State			
			Outside State			

7.	Install fest-Foss Installing Workshop	Aug, 2009	Local	50	*	
			Within State			
			Outside State			
8.	MATLAB	20/07/09 – 22/07/09	Local	41	*	
			Within State			
			Outside State	5		
9.	PC Hardware workshop	09/07/09 - 10/07/09	Local	21	*	
			Within State			
			Outside State			

ECE Department

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.	Second National Conference on Recent Trends in Coomunication, Computation and Signal Processing (RTCSP 10)	March 26-27, 2010	Local	25	ISRO (Rs.50,000) Wipro (Rs.50,000)	
			Within State	35		
			Outside State	25		

EEE

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 Workshop on Advances in Electrical and Electronics Engineering	7/12/2009 to 11/12/2009	Local	35	IETE	Faculty development
			Within State	5		
			Outside State	5		
2.	FDP on power system management	02/06/2010 to 04/06/2010	Local	23	IETE	Faculty development
			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	Field exposure
			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	Research exposure
			Within State			
			Outside State			

IT Department

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.	ISTE WORKSHOP ON "Effective teaching/learning of computer programming" Under the National Mission on Education through ICT	28/05/10 to 10/06/10	Local Within State Outside State	10 1	IIT Bombay	
2.	**ISTE Workshop on DBMS** **under the National Mission on Education through ICT**	13 /12/10 to 23/12/10	Local	32	IIT Bombay	
3	International Conference on Cloud Computing	22/12/2009 to 23/12/2009	International	400 100	IBM	

Mechanical Engineering Department

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	Mechanical Engg.	NI LabVIEW Hands on training	10/4/2010	All the faculty of Mechanical Engg.	CAD/CAM Lab, ASE, Coimabtore.

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	Amrita, PSG Tech	Amrita, PSG	International Conference	11-12 December, 2009	Mr. P. Krishnakumar
2	IIT Madras	IIT Madras	Workshop	December 19-20, 2009	Mr. P. Krishnakumar
3	IIT Madras	Chennai	Short term program on Partial differential equations	December, 7-16, 2009	Mr.Tamilarasan
4	IIT Madras	Chennai	Short term program on Partial differential	December, 7-	

			equations	16, 2009	Mr. A.S. Prakash
5	Anna university	Coimbatore	Wavelets and its applications	5-6th, March 2010	Mr. M. Saimurugan
6	VIT	Vellore	Vibrations in the rotating machinery	26-28th, March, 2010	Mr. M. Saimurugan

9. Internal Research projects:

a. Newly implemented:

Amrita School of Dentistry – Kochi:

Name of the School	Title of the project	Sponsoring Agency	Amount
Amrita School of Dentistry	1. Evaluation of apical micro-leakage of teeth sealed with four different root canal sealers. 2. Anti fungal efficiency of root canal irrigiants 3. Incidents of periodontitis in highly stressed individuals – a case control study.	Self Self Self	

Amrita School of Medicine – Kochi:

Department	Fund Sanctioned	Funding Agency
Paediatric Cardiology	13,70,801	ICMR, New Delhi
Molecular Medicine	70,00,000	DBT, New Delhi
Molecular Medicine	50,51,000	DBT, New Delhi
Cardiology	112,820	Boehringer Ingelheim Korea Ltd
Cardiology	35468	Cardiolune Biophama,LLC.
Cardiology	90000	NOVARTIS Health care Pvt. Ltd.
Neurology	266,886	Biogen IDEC
Endocrinology	1,16,511	Metabolex Inc USA
Endocrinology	2,46,418	Eli Lilly & Company
Endocrinology	2,59,547	Eli Lilly & Company
Dermatology	44,335	Glenmark Generics Ltd
Anaesthesiology	3,546	Artisan Pharma
Oncology	1,05,517	Pfizer Ltd

Oncology	23,941	Immune Control
Oncology	45,000	Pierre Fabre Medicament Represented by Institute de Recherche Pierre Fabre
Oncology	90,000	Dr.Reddy's Laboratories Ltd
Ophthalmology	1,77,801	Vitreoretinal Technologies, Inc
Neurosurgery	1,33,005	Antisense Pharma
GI Surgery	50,239	Stempeutics Research Pvt. Ltd
GI Surgery	88,442	Sanofi-Aventis Reaearch & Devlop

Amrita School of Pharmacy – Kochi:

Name of the School	Title of the project	Sponsoring Agency	Amount
Amrita School of Pharmacy	A pilot study on development of a Nutraceutical Preparation using Nut water	Coconut development board	Amount approved by Coconut development board

Amrita School of Arts & Sciences – Amritapuri:

S. No.	Name of the Completed Project	Principal Investigator and Co-investigator, if any (Names & Designations)	Assistance received from Amrita*	Duration of the Project
1.	Cerium(1V) Ammonium nitrate mediated synthesis of furans	Dr. Ani Deepthi	Laboratory facilities	4months

Amrita School of Engineering – Amritapuri:

a) Newly implemented:

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.	Formula SAE	Dr. Balakrishnan Shankar., Joshua Freeman.	6 Lakhs	1 year (2010-2011)
2.	Chakshuyaan	Dr. Balakrishnan Shankar., Joshua Freeman.	1 Lakh	3 years (2008-2011)
3.	Solar Electric Rickshaw	Dr. Ganesha Udupa., Joshua Freeman.	2 Lakhs	5 years (2006-2011)

b) Completed:

S. No.	Name of the Completed Project	Principal Investigator and Co-investigator, if any (Names & Designations)	Assistance received from Amrita*	Duration of the Project
1.	Brijith Lal. Surendran. and Dhanraj P.	Dr Sundar., Chairman,ECE	Completed the Project titled 'Silicon Integrated asymmetric coplanar	6 months

			waveguide fed monopole antenna' (in IIT, Bombay)	
2.	Rakesh P. and Sreehari.	Dr Sundar., Chairman,ECE	Completed the Project titled 'Processing, electrical characterization and study of high-K dielectrics for CMOS applications' (in IIT, Bombay)	6 months
3.	Anas A.S., Diego James., Nevin Alex., Sudhi Sudharman.	Br. Ramesh Bhaktavatchalu. , Asst. Professor, ECE	Completed the Project titled 'FPGA Implementation of HF Radar Receiver'(in ISRO,Thiruvananthapuram)	6 months

Amrita School of Engineering – Coimbatore:
CEN

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	Parallel Corpus Creation for Kannada Language	Dr Soman KP	N/A	2009-2010
2	Dictionary creation for Indian languages	Dr Soman KP	N/A	2009-2011

Completed: CE & MS

S. No.	Name of the Completed Project	Principal Investigator and Co-investigator, if any (Names & Designations)	Assistance received from Amrita*	Duration of the Project
1.	Studies on polymer-polymer microfibrillar in situ composites based on LDPE-PET	Mr. K. Jayanarayanan	-	2009-10
2.	Optimization of the rheological parameters of cement paste with polymers	Mr. K. Jayanarayanan / Dr. Jayashree	-	2009-10
3	Flame retardant behaviour and thermal stability of nanoclay modified TPU based blends	Mr. M. Kannan	-	2009-10
4	Synthesis, characterisation and application of conductiong polymer-gold composites	Mr. Satheesh Babu / Dr. S.S. Bhagawan	-	2009-10
5	Mechanical and viscoelastic properties of silicone nanocomposites as shear damper	Meera B. Sasikumar	-	2009-10
6	Development of Polymeric Honeycombs	Dr. S.S. Bhagawan	-	2009-10
7	Study of homogeneous dispersion of surface-modified MWNT in TPU matrix and the performance of modified MWNT/TPU nanocomposite	Mr. M. Kannan	-	2009-10

8	Preparation of highly conductive polyaniline-CNT composites by in situ polymerization	Dr. K. Nikhil	-	2009-10
9	Synthesis of graphene by chemical vapour deposition	Dr. D. Sriram / Dr. K. Nikhil	-	2009-10
10	Synthesis of polylactic acid scaffolds for bone tissue engineering applications	Dr. Murali Rangarajan / Dr. K. Nikhil	-	2009-10

S. No.	Name of the Completed Project	Principal Investigator and Co-investigator, if any (Names & Designations)	Assistance received from Amrita*	Duration of the Project
1.	Neural network modelling for stability analysis of fibre reinforced composite laminate plates SCK/T-R&D/131/2009-10)	Dr. K.M. Mini Associate Professor	N/A	6 months (student project)

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.	Localization of lesions in Brachial Plexus	Dr. R. Karthi, Asst. Prof, CSE & Dr. Siby (Neurology Department, Amrita Institute of Medical Sciences, Kochi)	N/A	1 Year
2.	Remote Clinical Monitoring	Mr. V. Ananthanarayanan Asst. Prof, CSE & Dr. Kumar Menon- (Physician Incharge Center For Digital Health, Amrita Institute of Medical Sciences, Kochi)	N/A	1 ½ Year
3.	3D Modelling for cosmetic surgery	Mr. T.Senthil Kumar Asst. Prof, CSE & Dr. Sherif Peter (Head and Neck Department – Plastic reconstructive Surgery, Amrita Institute of Medical Sciences, Kochi)	N/A	3 Years
4.	Retinal Image Profiling for disease analysis	Ms. Hema P Menon , Asst. Prof, CSE & Dr. Gopal S Pillai (Dept. of Ophthalmology,	N/A	2 Years

		Amrita Institute of Medical Sciences, Kochi)		
5.	3D Reconstruction of Retinal fundus image	Ms. Hema P Menon , Asst. Prof, CSE & Dr. Gopal S Pillai (Dept. of Ophthalmology, Amrita Institute of Medical Sciences, Kochi)	N/A	2 Years
6.	3D Brain Image Atlas	Ms. Hema P Menon Asst. Prof, CSE & Dr. Anand Kumar (Prof. and In Charge - Neurology Department, Amrita Institute of Medical Sciences, Kochi)	N/A	2 Years
7.	Amrita Mobile Telemedicine Disaster Module	Dr. N Radhika Asst. Prof, CSE & Dr. Kumar Menon- (Physician Incharge Center For Digital Health, Amrita Institute of Medical Sciences, Kochi)	N/A	1 ½ Years
8.	Searching and Indexing of Video Lectures	Dr.Vidhya Balasubramanian	This project is done as part of Amrita E-Learning Research Center, and is funded from their funds (MHRD) for personnel and equipment	1.5 yrs

S. No.	Name of the Completed Project	Principal Investigator and Co-investigator, if any (Names & Designations)	Assistance received from Amrita*	Duration of the Project
1	Image Tagging (Visible watermarking on PET/CT images stored in png format)	Dr. Latha Parameswaran Professor and Vice Chairperson, CSE & Dr.Shanmuga Sundaram (Prof. Nuclear Medicine, Amrita Institute of Medical Sciences, Kochi)	N/A	10 months
2	Human Anatomy ATLAS for educational purpose	Mr. T.Senthil Kumar, Asst. Prof, CSE & Dr. Kumar Menon- Physician Incharge Center For Digital Health	N/A	10 months
3	3D Modelling for	Mr. T.Senthil Kumar Asst.	N/A	10 months

	cosmetic surgery	Prof, CSE & Dr Sherif Peter (Head and Neck Department – Plastic reconstructive Surgery, Amrita Institute of Medical Sciences, Kochi)		
4	3D view of the Tooth Structure	Ms. H. Smitha Asst. Prof, CSE & Dr.Alice Kurien (Dental Informatics – In Charge, Amrita Institute of Medical Sciences, Kochi)	N/A	10 months
5	Structural and Functional ATLAS for Brain MRI	Ms. Hema P Menon Asst. Prof, CSE & Dr. Anand Kumar (Prof. and In Charge - Neurology Department, Amrita Institute of Medical Sciences, Kochi)	N/A	10 months

Science Department

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.	Synthesis and analytical studies of Peptide Nucleic Acid monomers equipped with new biomarkers	Dr. Prasanna Ramani and Prof. T. Ramachandran	1	18 Months
2.	Low cost synthesis of CdS nanoparticles	Dr. M. Sivakumar	0.35	12 Months
3	Synthesis, Characterization and Liquid crystalline properties of cobaloximes containing azo pyridine in the axial position	Dr. R. Yamuna, Dr. Asha Sathish	0.8	12 Months
4	Developing nano electrode and membrane for direct methanol and ethanol fuel cells-preliminary studies	Dr. Asha Sathish Dr. K.S. Rajni Ms. T.S. Boopathi	1	12 Months

S. No.	Name of the Completed Project	Principal Investigator and Co-investigator, if any (Names & Designations)	Assistance received from Amrita*	Duration of the Project
1.	Bio-diesel from used	Mr. S. Boopalakrishnan	0.3	12 Months

	Kitchen oil by Transesterification	Prof. T. Ramachandran		

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.	Department of Sciences	Dr.M.Sivakumar (Associate prof) Dr.S.Mahadevan (Associate prof),	Tamil Nadu Agricultural University	Dr Umarani Associate Prof	Photoacoustic Characterization of Cotton Seeds

10. Patents generated, if any:

S. No.	Title of the Patent / Invention	Name(s) of the staff	Month and Year of Patent Registration / Invention	Patent / Invention Details
1.	Dual Microcontroller Based Liquid Infusion System	Dr. Bipin Nair, Dean, Amrita School of Biotechnology, Amritapuri	April, 2007	Automated Insulin pump

Amrita School of Engineering – Amritapuri:

S. No.	Title of the Patent / Invention	Name(s) of the staff	Month and Year of Patent Registration / Invention	Patent / Invention Details
1.	An Intelligent Train Proximity Detector with Instance Prediction	M. Krishnakumar		Reliable and affordable mechanism for preventing accidents in unmanned railway level cross
2	1-DOF Linear Haptic Device for Vocational Training	Bhavani Bijlani, Joshua Freeman, Shanmugham, Br. Akshay	Application pending	Custom designed device to teach various vocational training skills with 1 degree of force feedback, and 2 other degrees of freedom.
2.	Deflector Fins for Anti-torque on an Unmanned Aerial Vehicle	Dr. Bala Shankar, Shreyas Narsipur, Shibesh Dutta, Vandhana Vikram, Joshua Freeman	Application pending	A subsystem of the Chakshuyaan micro unmanned aerial vehicle used for countering the rotation torque produced by the motor.

Amrita School of Engineering – Coimbatore:

S. No.	Title of the Patent / Invention	Name(s) of the staff	Month and Year of Patent Registration / Invention	Patent / Invention Details
1.	HEAT RECOVERY PROCESS IN METAL CASTING	J. Selvaraj	October-2010	The patent is about an innovative approach to waste heat recovery from solidifying molten metals in casting and using that heat to preheat the incoming raw materials (patent Registration number: 3215/CHE/2010)

11. New collaborative research programmes:

Amrita School of Arts & Sciences – Amritapuri:

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.	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
2.	Chemistry	Dr. Zeena S. Pillai , Asst. Professor	University of Bologna, Italy	Prof. Paola Caroni, University of Bologna, Italy	4EU(Erasmus Munds Programme)

School	New collaborative Research Programmes
Amrita School of Pharmacy	1. Preclinical evaluation of Anti inflammatory and Anti oxidant activity of traditional Herbal eye drops in collaboration with central Animal House (Sreedhareeyam Pvt. Ltd., Koothattukulam, Ernakulam)
	2. Evaluation of Anti diabetic potential and dose optimization assessment of *Costus Pictus*. with Arjuna Herbal Extracts, Edayar, Aluva
	3. Preliminary Evaluation of Anti diabetic effect of flavanoids extracts of cinnamon from Akay Flavours And Aromatic Pvt. Ltd., Ernakulam

Amrita School of Engineering – Amritapuri:

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.	Computer Science, School of Engineering	Dr. M.R. Kaimal, Professor	University of Chicago	Prof. Natalia Maltsev	Bioinformatics – Diagnosis of new cancer causing genes

Amrita School of Engineering – Coimbatore:

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.	CE&MS; ASE-CBE	Dr. Kumaresan	EPFL; LPI – Switzerland	Dr. Kalyanasundaram & Dr. Nazeeruddin	Development of dye sensitized solar cells

12. Research grants received from various agencies:

Amrita School of Arts & Sciences – Amritapuri:

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
2.	Macro cyclic and Carbocyclic constructions by SET oxidations of styrenes, allenesand cyclopropanes	Dr. Ani Deepthi Dr. Zeena S. Pillai	DST	17 lakhs	3 Years

Amrita School of Biotechnology – Amritapuri:

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.	Studies on bioactive tannoids and flavonoids of seabuckthorn leaves	Dr. Asoke Banerji	Defense Institute of Physiology and Allied Sciences	3.6 lakhs	2 Years
2.	Identification and characterization of modulators of GLUT$	Dr. G. Anil Kumar	CSIR, New Delhi	20 lakhs	2 years

	Translocation				
3.	Screening for the GLUT 4 transporter Modulators from antodiabetic plants	Dr. G. Anil Kumar	Kerala council for science, Technology and Environment	2.4 lakhs	2 Years
4.	Analysis of single nucleotide polymorphis in RBP4 and GLUT4 in south India	Dr. G. Anil Kumar	Department of Science & Technology, New Delhi	22 lakhs	3 Years
5.	Molecular dynamic studies of the homology model of an Insulin sensitive	Dr. G. Anil Kumar	Department of Biotechnology, Govt. of India	25.3 lakhs	2 years
6.	High value bioactive products from Hippophae rhamnoids	Dr. Bipin Nair, Dr. Ashoke Banerji	Department of Biotechnology, Govt. of India	29.9 lakhs	3 years
7.	Studies on Organic Bulk Heterojunction Devices for Photovoltaic Solar Cell Applications	Ms. Sreekala C.O.	Department of Science & Technology, New Delhi	49 lakhs	2 years

Amrita School of Engineering – Amritapuri:

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.	Real-time Wireless Sensor Network for Landslide Monitoring	Dr. Maneesha V Ramesh	Department of Information Technology, India		2 years (2009-11)
2.	VSAT Connectivity for Real-Time Wireless Sensor Networks for Landsldie Detection	Dr. Maneesha V Ramesh	ANTRIX		----------
3	Diesel Electric-Hybrid Rickshaw	Joshua Freeman	Ganapati Fund	2 Lakhs	3 years (2007-2011)

Amrita School of Engineering – Coimbatore:

CEN

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.	Extenstion of Plagiarism Detection Engine to detect Source Code Plagiarism	Dr.Soman KP	MIT	Rs. 28.32 Lakhs	2009-2011
2.	Analysis and Evaluation of Multi-layer Shear Damped Viscoeleatic Treatments for Launch Vehicle Applications	Dr. Ramachandran KI	ISRO	Rs. 10.70 lakhs	2008-2011

CE & MS

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 & Efficient Photosensitizers for Nano crystalline Dye Sensitized Solar Cells	Dr. Kumaresan – PI; Dr. Nikhil – Co PI; Dr. Yamuna- Co-PI	DRDO	Rs 62 lakhs	3 Years
2.	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. Satheesh Babu	DRDO	Rs. 62 lakhs	3 years (June 2009-May 2012)
3	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)	Indian Space Research Organization	Rs. 10.53 lakhs	3 years (2009-2012)

Cyber Security

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 Fast and Effective Cryptographic Techniques	M. Sethumadhavan	ISRO	Rs. 5.72 Lakhs	3 plus
2.	Error Linear Complexity measures	M. Sethumadhavan	ISRO	Rs. 3 Lakhs	2 year
3.	Hardware Based Network Intrusion Detection System for High Speed Networks	M. Sethumadhavan	ISRO	Rs. 14.12 Lakhs	2 year
4.	Classified image transmission system	M. Sethumadhavan	DRDO	Rs. 4.9 Lakhs	2 year
5.	Development of encryption algorithms for Satellite Based	M. Sethumadhavan	ISRO	Rs.1.71 Crores	2 year

	Communications for ISRO				
6.	Development of Visual Cryptographic Schemes	M. Sethumadhavan	ISRO	Rs.17.71 Lakhs	2 year

EEE

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 Energy Saver for Induction Motor	Dr. T. B. Isha, Dr. T. N. P. Nambiar, Prof. A. T. Devarajan	DRDO, ERIPR/ER/0305011 /M/01/893 Date: 14-06-2006	Rs. 13.754 Lakhs	3 Years

Mechanical Engineering Department

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.	"Process Monitoring and Control of ultra-precision machining of Titanium alloys"	Dr.K.I.Ramachandran Professor Dr.K.Rameshkumar Professor P.Krishnakumar Assistant Professor (SG) A.Sumesh Assistant Professor	DRDO	14 Lakhs	2 Years

Science Department

S. No.	Name of the Ongoing Project	Principal Investigator and Co-investigator, if any	Name of the Funding Agency	Project Grant / Assistance (Lakhs)	Duration of the Project*
1.	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	2 Years
2.	Development of Novel Carbon-Inherently Conducting Polymer (C-ICP) and C-ICP-metal nanocomposites with unusually high conductivity and processability for microwave absorption	Dr. Nikhil Kothurkar, Dr. T.G. Satheesh Babu	DRDO	63	3 Years
3.	Synthesis,	Dr. R. Yamuna,	CSIR	21	2 Years

	characterization and liquid crystalline studies of azo, schiff base containing porphyrin complex	Dr. Asha Sathish, Dr. Sivadhayanidhi			
4.	Total synthesis of modified benzophenanthridines – A preliminary anti-caner study	Dr. Prasanna Ramani	Heutrey Petrochem India Pvt. Ltd	1.5	1 Year
5.	Synthesis of intermediate analogues for biologically active molecule	Dr. Prasanna Ramani	Aventis Pharma Ltd	0.5	1 Year

13. Details of research scholars:

Amrita School of Arts & Sciences - Amritapuri

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.	Sheela P.	M. Phil	Kerala University	Department of English, Amritapuri Campus	Dr. K.K. Sujatha	Arts and Sciences Activision
2.	Shibani Aich	M. Phil	Gujarat University	Department of English, Amritapuri Campus	Dr. K.K. Sujatha	Baski poetry
3	Sriram A.	M.S	University of California	Department of English, Amritapuri Campus	Dr. K.K. Sujatha	Sri Ramanadhan Marshall
4	C.O. Sreekala	MSc Physics	M G University	Dept. of Physics, Amritapuri Campus Jan 2007	Dr. K. S. Sreekala, Asst. Prof., Amrita Vishwa Vidyapeetham , Amritapuri & Dr. M.S. Roy, Scientist E, Defense Research lab Jodhpur, Rajasthan	Fabrication Of solar cells
5	Sreekanth K. M.	MSc Physics	M G University	Dept. of Physics , Amritapuri	Dr. K.S. Sreelatha, Asst. Prof.	Material sciences/ preparation

				Campus March 2009	Amrita Vishwa Vidyapeetham , Amritapuri & Dr. N.V. Unnikrishnan, Director, School of Pure & Applied Physics, M.G. University, Kottayam	of Oxide Thin Films for device Department in spintronics
6	Asha R. Pai	M.Sc. Physics	M G University	Dept . of Physics , Amritapuri Campus December 2007	Dr. K.S. Sreelatha, Asst. Prof, Amrita Vishwa Vidyapeetham , Amritapuri	Dye sensitized solan cells using natural Dyes
7	Shivanandan D.S.	M.Sc. Physics	M G University	Dept. of Physics , Amritapuri Campus February 2009	Prof. Balakrishnan, Amrita Vishwa Vidyapeetham , Amritapuri	Critical edition of an unpublished work of Kerala School of Astronomy
8	Akhil Sivan	M.Sc. Chemistry	Kerala University	Chemistry, Amrita School of Arts &Sciences, Amritapuri	Dr. Ani Deepthi Asst. Professor, Amrita School of Arts& Science	Organic Synthesis

S. No.	Number of Research Scholars registered for PhD	Number of Research Scholars that completed PhD**	Number of Research Staff that are **not** registered for PhD
1.	4	NIL	NIL

** Indicate cumulatively for the last three years.

Amrita School of Arts & Sciences - Mysore

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.	Rekha Bhat	MA - English	Karnataka University	Dept of Studies in English	Dr. M G Hegde, Professor and Head Dept of English, Dr A V Baliga College, Kumta	Indian English Campus Novels : A study in genre

S. No.	Number of Research Scholars registered for PhD	Number of Research Scholars that completed PhD**	Number of Research Staff that are **not** registered for PhD
1.	1	-	-

Amrita School of Arts & Sciences - Kochi

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.	Maya L Pai	M. Phil (Maths)	Bharathiar University	School of Marine Sciences, Cochin University of Science and Technology (CUSAT)	Dr. Bal Chand, Professor, Dept. of Physical Oceanography, CUSAT	Climate Variability

Amrita School of Biotechnology – Amritapuri:

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. P.A. Nidhina Haridas	M.Sc. Biotechnology	Amrita University	Amrita School of Biotechnology, Amritapuri	Dr. Anil Kumar, Associate Professor, Amrita School of Biotechnology	Identification and characterisation of novel regulators of GLUT4 exocytosis
2.	Ms. Ninu Paulose	M.Sc. Biotechnology	Amrita University	Amrita School of Biotechnology, Amritapuri	Dr. Anil Kumar, Associate Professor, Amrita School of Biotechnology	Studies on the regulation of intrinsic transporter activity of GLUT4
3	Mr. Anup Nair	M.Sc. Biotechnology	Amrita University	Amrita School of Biotechnology, Amritapuri	Dr. Anil Kumar, Associate Professor, Amrita School of Biotechnology	Identification and Characterisation of proteins that interact with the extracellular domain of GLUT4
4	Mr. C.N. Vishnu Prasad	M.Sc. Biotechnology	Amrita University	Amrita School of Biotechnology,	Dr. Anil Kumar, Associate Professor,	Screening for the modulators of GLUT4

				Amritapuri	Amrita School of Biotechnology	translocation
5	Ms. O. Athira	M.Sc. Biotechnology	Amrita University	Amrita School of Biotechnology, Amritapuri	Dr. Bipin Nair, Professor, Amrita School of Biotechnology	Regulation of Wound Healing
6	Ms. Jayalekshmi H.	M.Phil. Microbiology	Amrita University	Amrita School of Biotechnology, Amritapuri	Dr. Bipin Nair, Professor, Amrita School of Biotechnology	Studies on Multi drug Resistance in Pseudomonas
7	Mr. John Stanley	M.Tech. Biomedical Engineering	Amrita University	Amrita School of Biotechnology, Amritapuri	Dr. Bipin Nair, Professor, Amrita School of Biotechnology	A non enzymatic sensor array for diabetes management
8	Ms. Asha Vijayan	M.Sc. Bioinformatics	Amrita University	Amrita School of Biotechnology, Amritapuri	Dr. Shyam Diwakar, Assistant Professor, Amrita School of Biotechnology	Developing a Novel Algorithm to identify Biomarkers in Microarray and RNASeq data
9	Ms. Jyotsna Nambiar	M.Sc. Biotechnology	Amrita University	Amrita School of Biotechnology, Amritapuri	Dr. Bipin Nair, Professor, Amrita School of Biotechnology	Regulation of MMP-2/MMP-9 and its implication in Cancer Progression
10	Mr. Adam Wayland	M.Sc. Computer Science	Amrita University	Amrita School of Biotechnology, Amritapuri	Dr. Shyam Diwakar, Assistant Professor, Amrita School of Biotechnology	Large scale simulations of the cortico-cerebellar pathway
11	Ms. Manjusha Nair	M.Sc. Computer Science	Amrita University	Amrita School of Biotechnology, Amritapuri	Dr. Shyam Diwakar, Assistant Professor, Amrita School of Biotechnology	Theory and analysis of detailed cerebellar function using an information theoretic approach
12	Mr. Nidheesh M.	M.Sc. Computer Science	Amrita University	Amrita School of Biotechnology, Amritapuri	Dr. Shyam Diwakar, Assistant Professor, Amrita School of Biotechnology	Design of a semantic clustering approach to auto-associate function-structure patterns in neuroinformatic

						s datasets

S. No.	Number of Research Scholars registered for PhD	Number of Research Scholars that completed PhD**	Number of Research Staff that are **not** registered for PhD
1.	12	1	4

Amrita School of Ayurveda – Amritapuri:

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. Abhaykumar Mishra	M.D. (Bhaishajya Kalpana)	A.L.N. Rao Memorial Ayurveda Medical College, Koppa. Rajiv Gandhi University of Health Science, Bangalore	Utkala University, GAM Puri	Prof. Kamadev Das, M.D Ph.D, GAM	Physico Chemical Analysis of Vidanga, Nirgundyadi Kashaya and its clinical management on intestinal worms.
2.	Dr. Anantharaman	M.D. (Panchakarma)	S.D.M. Ayurveda college, Hasan, Rajiv Gandhi University of Health Science, Bangalore	National Institute of Ayurveda, Jaipur. Jaipur University	Assist. Prof. O.P. Sharma, National Institute of Ayurveda, Jaipur	Efficacy of Charaka ukta shodhana of Madana Phala
3.	Dr. Deepa	M.D. (Shalya)	S.D.M. Ayurveda College, Udupi, Rajiv Gandhi University of Health Science, Bangalore	National Institute of Ayurveda, Jaipur. Jaipur University	Dr. Mahendra Kumar Shringi, M.D., Ph.D	Clinical Study on Shodhana of Jaluka Avacharana, Tila-nimba- patra-kalka- lepa in the management of dushta vrana.

4.	Dr. Krishna Kumar K.	M.D. (Kayachikitsa)	Hubli Ayurveda Mahavidyalayam. Rajiv Gandhi University of Health Science, Bangalore	National Institute of Ayurveda, Jaipur. Jodhpur University	Asst. Prof. Dr. Govardhan, M.D., Ph.D., National Institute of Ayurveda, Jaipur	A comparative study invthe efficacy of Navayasa choorna & Meha samhari guttika in management of type two Diabetic Mellitus (Madhumeha)

Amrita School of Business – Coimbatore:

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.	Bhawana Jain	CA	ICAI	Amrita School of Business	Dr. Amalendu Jyotishi, Associate Professor, Amrita School of Business	Finance
2.	Nandikkara Dinesh Warrier	MS	Amrita School of Business	Amrita School of Business	Dr. Rajiv Prasad, Associate Professor, Amrita School of Business	OB & HR
3	Rajagopalan S.	MMS	BITS Pilani	Amrita School of Business	Dr. Deepak Gupta, Professor, Amrita School of Business, Dr. Gurumurthy Kalyanaram	Marketing
4	Ravi U.R.S.D.	PGDM	Symbiosis Centre for Management	Amrita School of Business	Dr. Gurumurthy Kalyanaram	Strategy
5	Sandhya G.	PGDM	Amrita Institute of Management	Amrita School of Business	Dr.Deepak Gupta, Professor, Amrita School of Business, Dr. Gurumurthy Kalyanaram	Marketing
6	Satheesh Kumar K.G.	MBA	University of Kerala	Amrita School of Business	Amalendu Jyotishi, Associate Professor, Amrita School of Business	Strategy
7	Sougata Ray	MA	Annamalai University	Amrita School of Business	Dr. Amalendu Jyotishi, Associate Professor, Amrita School of Business	Finance
8	Suganya Doraiswamy	M.Sc	Amrita School of Business	Amrita School of Business	Deepak Gupta, Professor, Amrita School of Business, Dr. Gurumurthy Kalyanaram	Strategy

Amrita School of Medicine – Kochi:

Newly joined Ph.D.Students (2009-10)

Total 13 Ph.D. Scholars joined (10 females and 3 males)

Amrita College of Nursing – Kochi:

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.	Prof. P. Chitra	M.Sc. Nursing, Child Health Nursing	Saveetha College of Nursing' Saveetha Univeristy, Tamil Nadu	Annamalai University	* Dr. Jaya Gowri, HOD, Rani Meiyammai College of Nursing, Tamil Nadu. * Dr. K. Pavithran, Professor, Medical Oncology, Amrita Institute of Medical Sciences and Research Center, Kochi, Kerala.	A study to assess the efficacy of non-pharmacological intervention to reduce the impact of chemotherapy among children with hematological and solid tumors.
2.	Mrs. Shiji Thomas	M.Sc. Nursing, Child Health Nursing	College of Nursing, C M C, Vellore, Tamil Nadu Dr. M G R Medical University, Tamil Nadu	Rajiv Gandhi University for health Sciences, Bangaluru.	* Dr. Jayarani Pemakumar, HOD, Medical Nursing, College of Nursing, CMC Vellore.	A study to determine the effectiveness of the multi component school based intervention programme on Body Mass Index and selected health related behaviour pattern among over weight school children between 10–17 years of age.
3	Ms. Lekha Vishwanath	M.Sc. Nursing, Obstetrical and Gynaecological Nursing	College of Nursing, Calicut University, Kerala.	Rajiv Gandhi University for health Sciences, Bangaluru.	* Dr. (Sr.) Anne Jose, Professor, Govt. College of Nursing, Kottayam.	Effect of a comprehensive nursing intervention package on the perinatal outcome of

						women with gestational diabetes mellitus
4	Mr. Sunil M	M.Sc. Nursing, Child Health Nursing	Fr. Mullers's College of Nursing, Rajiv Gandhi University for Health Sciences, Bangaluru.	Rajiv Gandhi University for health Sciences, Bangaluru.	* Dr. (Mrs.) Valsamma Joshi, Professor, Govt. College of Nursing, Kottayam.	Tracking of blood pressure and effectiveness of multi component intervention programme on selected health related behavior patterns and physical and physiological parameters of children in selected schools of Kerala.

S. No.	Number of Research Scholars registered for PhD	Number of Research Scholars that completed PhD**	Number of Research Staff that are not registered for PhD
1.	4	0	
2.			

Amrita School of Engineering – Amritapuri:

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	Ramesh Bhakthavatchalu	M.E (Applied Electronics)	College of Engineering, Guindy, ANNA University	ECE, ASE, Amritapuri	Dr. Sundar Gopalan., Chair Person, ECE,ASE, Amritapuri	Applications High speed Digital VLSI design implementations
2	Br Karthi	MS in VLSI	Simon Fraser University, Canada	ECE, ASE, Amritapuri	Dr Nithin Nagaraj. , Asst Prof, ECE, ASE, Amritapuri	Chaotic Computing
3	Br Rajesh	M.Tech. in VLSI	Amrita University	ECE, ASE, Amritapuri	Dr Venkat Rangan . Vice Chancellor, Amrita University	Embedded Systems

4	Swaminathan J.	M.Tech. (CS)	Sri Satya Sai University	CSE, ASE, Amritapuri	Dr. Bharat Jayaram. , SUNY, Buffalo	Dynamic Analysis of multithreaded programs
5	Sandhya Harikumar	M.Tech. (CS)	IIT, Delhi	CSE, ASE, Amritapuri	Dr. M.R. Kaimal	XML Database
6	Remya R.	M.Tech. (CS)	CUSAT	CSE, ASE, Amritapuri	Dr. M.R. Kaimal	Expert Systems
7	Manjusha Nair	MCA	Department of Electronics and accreditation of Couputer Courses (DOEACC)	Bioinformatics, School of Biotechnology, Amritapuri Campus	Dr. Shyam Diwakar , Professor, Amrita School of Biotechnology, Amrita University	Computational NeuroScience
8	Remya Rajesh	MCA	Bharathiar University	CS, School of Engineering, Amritapuri Campus	Dr. M.R Kaimal , Professor, School of Engineering, Amrita University	Machine Learning algorithms
9	Geetha M.	MTech in Computer Vision & Image Processing	Amrita Vishwa Vidyapeetham	Dept of CSE, ASE, Amrita Vishwa Vidyapeetham	Dr. M R Kaimal , HOD, Dept of CSE, ASE, Amrita Vishwa Vidyapeetham	Towards developing a methodology for translation of Indian sign language
10	Jyothisha J. Nair	MTech Computer Science with specialization in DIP	Kerala University	NIT, Calicut	Dr. V K Govindan , Professor, Dept of CSE, NIT Calicut	Medical Imaging
11	Pramod Sreedharan	ME (CAD/CAM & Automation)	Mumbai University	Amrita University	Dr Ganesha Udupa , Professor, Dept of ME	Fluidic deflection of asymmetric flexible pipes & its control for robotic application
12	Mohan C.C.	M.Tech (Cryogenics)	University of Kerala	Amrita University	Dr K. Sankaran	----------
13	Preetha P.K.	M.Tech in Power systems	Kerala University	Amrita University	Dr. Chandramohanan Nair P.S., Professor, Chair person, ASE, Amritapuri	Recovery of drainage power from distribution transformers
14	Deepak E.S.	MTech in Power Electronics	Amrita school of Engineering,Coi	Uppsala University	Prof. Mats Leijon. and Prof. Jan	" Grid interconnection of WEC

			mbatore		Isberg	(Wave Energy Converter) with LPMG (Linear Permanent Magnet Generator) for Smart Grid Integration

S. No.	Dept	Number of Research Scholars registered for PhD	Number of Research Scholars that completed PhD**	Number of Research Staff that are **not** registered for PhD
1	**CSE**	**1**	**1**	

Amrita School of Engineering – Bengaluru:

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 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

Amrita School of Engineering – Bengaluru:

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.	Grirdhar Reddy S.	M.Sc.	Central College/ Bangalore University	ASE, Bangalore	Dr. Akanksha Saxena Pandit., Sr. Lecturer, VHSC, Trivandrum	Biodegradable Polymers
2.	Ms. Santhanalakshmi S.	B.E (CSE)	Amrita Institute of Technology and Science / Bharathiyar University	ASE, Bangalore	Prof. Manjunath S. Professor ASE, Bangalore	Data Intensive Systems/ Software Engineering
3.	Ms. Juhi Srivastava	M.Tech (Scientific Computing)	BIT, Mesra, Ranchi	BIT, Mesra, Ranchi	Dr. T.S.B Sudarshan., Professor, ASE, Bangalore	Design of efficient routing and broadcasting protocols for Adhoc Sensor Networks
4.	Mr. Ravishankar S.	M.Tech (Industrial Electronics)	NIT, Surathkal	ECE Department/ASE/ Bangalore	1.Prof. K.V.V Murthy. Distinguished Professor	Few Investigations in Image Super-

					2. Dr. Shikha Tripathi. Associate Professor, ASE, Bangalore	resolution
5.	Mr. Ganapathy Hegde	M.Tech (Digital Electronics)	SDMCET, Dharwad	ECE Department/ASE/ Bangalore	Prof. P.R. Vaya. , ASE , Bangalore	Motion Recognition VLSI Design
6.	Mr. T.K. Ramesh	M.S (Electronics & Control Engineering)	BITS, Pilani	ECE Department/ASE/ Bangalore	Prof. P. R. Vaya. , ASE, Bangalore	All optical WDM Network
7.	Mr. C.V. Giriraja	M.Tech (Power Electronics)	UVCE, Bangalore	ECE Department/ASE/ Bangalore	Prof. P. R. Vaya. , ASE, Bangalore	Photonics
8.	R. Karthikeyan	M.E. (CSE)	Manonmaniam sundaranar University, Tirunelveli	ECE Department/ASE/ Bangalore	1.Prof. K.V.V Murthy. Distinguished Professor 2. Dr. Shikha Tripathi. Associate Professor, ASE, Bangalore	Parallel Cascade Control Using Intelligence Techniques
9.	Ms. Latha	M.Tech (Digital Communication)	BMSCE, Bangalore	ECE Department/ASE/ Bangalore	Dr. Shikha Tripathi. Associate Professor, ASE, Bangalore	Automatic Speaker Recognition
10.	Ilango K.	ME (Power Systems)	PSG College of Technology, Coimbatore Anna University, Chennai, TamilNadu	EEE Department / Amrita School of Engineering/ Bangalore Campus	Dr. Manjula G Nair., Professor, ASE, Bangalore	Renewable Energy Power Quality Analysis
11.	Venkatachalaiah K.N.	M.Phil	M.S.University Tamilnadu	Physics, Amrita School of Engineering. Bangalore	Dr. G.N. Kumaraswamy., Assistant Professor, ASE, Bangalore	Micro structural Characterization of electrically active polymer nano composites.
12.	Mr. Murali	M.Sc, M.Phil Mathematics	Central College, Bangalore	Mathematics/ ASE, Ettimadai	Dr. K. Somasunadaram., ASE, Ettimadai	NOC routing, Graph Theory

13.	Mr. V Kesavulu Naidu	M.Sc Mathematics	Central College, Bangalore	Mathematics/ ASE, Bangalore	Dr.K.V Nagaraja., ASE, Bangalore	Isoparametric Transformations for curved elements, FEM
14.	Ms. Sarada Jayan	M.Sc Mathematics	IIT, Madras	Mathematics/ ASE,Bangalore	Dr.K.V Nagaraja., ASE, Bangalore	Quadrature rules over two-dimensional regions,Numerical Integration
15.	Ms. K.N. Meera	M.Sc , M.phil, Mathematics	Central College, Bangalore	Mathematics/ Dravidian University, Kuppam	Dr. B. Sooryanarayana., Ambedkar Institution of Technology , Bangalore	Strict Boundary vertices,Radiatic dimension and Optimal outersum number of certain clases of graphs,Graph Theory
16	Ms. K.N. Geetha	M.Sc , Mathematics	Central College, Bangalore	Mathematics/ Ambedkar Institution of Technology ,Bangalore	Dr. B. Sooryanarayana., Ambedkar Institution of Technology , Bangalore	Invariants in Graphs and their nice properties,Graph Theory
17	Supriya M.	M.Tech (CSE)	Dr.MGR Educational Research Institute/ Dr. MGR University	ASE, Bangalore	Dr. T.S.B. Sudarshan., Professor, ASE, Bangalore	Study of Cryptographic Protocols for low cost devices

S. No.	Number of Research Scholars registered for PhD	Number of Research Scholars that completed PhD**	Number of Research Staff that are <u>not</u> registered for PhD
1.	17	1 (Mysore University)	

Amrita School of Engineering – Coimbatore:

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. Balaji	M.E. Thermal Science	GCE /Salem,	Amrita University/	Dr.V. Sivadas, Associate	Spray Characteriza

				Aerospace/ Ettimadai	Professor & Amrita University	tion in Gas Turbine Combustor
2	Mr. Karthick. S	M.E (Ref & AC)	College of Engg. /Gundy/ Anna University	Amrita University/ Aerospace/ Ettimadai	Dr.V. Sivadas, Associate Professor & Amrita University	Role of Interfacial instability in Characterizing the primary breakup process of Liquid jet.

S. No.	Number of Research Scholars registered for PhD	Number of Research Scholars that completed PhD**	Number of Research Staff that are **not** registered for PhD
1.	2	-	-

** Indicate cumulatively for the last three years.

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	Anand Kumar	M.Tech, CEN	Amrita Vishwa Vidyapeetham	CEN, Amrita School of Engineering, Ettimadai	Dr Soman KP, Amrita Vishwa Vidyapeetham	Natural Language Processing
2	Antony P John	M.Tech, CSE	BVBCET, Hubly/VTU, Belgaum	CEN, Amrita School of Engineering, Ettimadai	Dr Soman KP, Amrita Vishwa Vidyapeetham	Natural Language Processing
3	Shivapratap Gopakumar	M.Tech, CEN	Amrita Vishwa Vidyapeetham	CEN, Amrita School of Engineering, Ettimadai	Dr Soman KP, Amrita Vishwa Vidyapeetham	Source code similarity measures
4	Preeja MP	M.Tech, CEN	Amrita Vishwa Vidyapeetham	CEN, Amrita School of Engineering, Ettimadai	Dr Soman KP, Amrita Vishwa Vidyapeetham	Graph kernels for Drug Discovery
5	Resmi NG	M.Tech, CEN	Amrita Vishwa Vidyapeetham	CEN, Amrita School of Engineering, Ettimadai	Dr Soman KP, Amrita Vishwa Vidyapeetham	Source code similarity measures
6	Arathi T	M.Tech, CEN	Amrita Vishwa Vidyapeetham	CEN, Amrita School of Engineering, Ettimadai	Dr Soman KP, Amrita Vishwa Vidyapeetham	3D Image Reconstruction

S. No.	Number of Research Scholars registered for PhD	Number of Research Scholars that completed PhD**	Number of Research Staff that are **not** registered for PhD
1.	6	2	1

CE & MS

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.	Meera Balachandran	M.Tech (Polymer Technology)	Cochin University of Science and Technology	Amrita Vishwa Vidyapeetham	Dr. S.S. Bhagawan. Professor, Amrita Vishwa Vidyapeetham	Polymer Nanocomposites
2.	Jelmy E.J.	MSc	Calicut University	Amrita Vishwa Vidyapeetham	Nikhil K. Kothurkar, Assistant Professor, Amrita Vishwa Vidyapeetham	Polymer Nanocomposites
3	Ramakrishnan	M.Tech	Anna University	Amrita Vishwa Vidyapeetham	Nikhil K. Kothurkar, Assistant Professor, Amrita Vishwa Vidyapeetham	Carbon based nanomaterials

S. No.	Number of Research Scholars registered for PhD	Number of Research Scholars that completed PhD**	Number of Research Staff that are **not** registered for PhD
1.	3	nil	1

Civil Engineering

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. Sunitha K. Nayar	M.Tech, Structural Engineering	National Institute of Technology, Calicut	Indian Institute of Technology, Madras	Dr. Ravindra Gattu, Professor, IIT, Madras	Fibre Reinforced Concrete

Cyber Security

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 Univeristy	Amrita University	M. Sethumadhavan, Professor & Head	Cryptography
2.	Rejitha Reghu	M.Sc. Mathematics	Calicut University	No		Cryptography

3.	Remya R.	M.Sc. Mathematics	Calicut University	No		Stream Cipher attacks
4.	Chungath Srinivasan	M.Sc. Mathematics	Calicut University	Amrita University	M. Sethumadhavan, Professor & Head	Stream Ciphers
5.	Sindhu M.	M.Sc. Mathematics	Calicut University	Amrita University	M. Sethumadhavan, Professor & Head	Error linear complexity
6.	Amritha P.P.	M.Tec in Cyber Security	Kannur University	Amrita University	M. Sethumadhavan, Professor & Head	Multimedia security
7.	Praveen K.	M.Tech. in Cyber Security	Calicut University	Amrita University	M. Sethumadhavan, Professor & Head	Multimedia security
8.	Praveen I.	M.Sc. Mathematics	Calicut University	Amrita University	M. Sethumadhavan, Professor & Head	Cryptography
9.	Anoj M.	M.C.A.	Calicut University	No (doing M S)		Secret Sharing

S. No.	Number of Research Scholars registered for PhD	Number of Research Scholars that completed PhD**	Number of Research Staff that are **not** registered for PhD
1.	6	nil	3

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. Santosh Kumar	M.Tech – Control and Instrumentation	IIT Kharagpur	ECE Department – Amrita Vishwa Vidyapeetham	Dr.V.P.Mohandas Chaiperson – ECE Department –Amrita Vishwa Vidyapeetham Coimbatore	Multi Lingual Acoustic Modeling
2.	B. Bala Tripura Sundari	M.E.- VLSI Design	PSG College of Technology /Bharathiar University Coimbatore	ECE Department – Amrita Vishwa Vidyapeetham	Dr.T.R.Padmanabhan Professor Emeritius Amrita Vishwa Vidyapeetham Coimbatore	Reconfigurable VLSI Systems
3.	B. Yamuna	M.Tech VLSI Design	Amrita Institute of Technology /Anna University-Chennai	ECE Department – Amrita Vishwa Vidyapeetham	Dr.T.R.Padmanabhan Professor Emeritius Amrita Vishwa Vidyapeetham	*

					Coimbatore	
4.	S. Veni	M.E. –Applied Electronics	Coimbatore Institute of Technology /Bharathiar University Coimbatore	ECE Department – Amrita Vishwa Vidyapeetham	Dr.K.A.Narayanankutty Professor – Department of ECE-Amrita Vishwa Vidyapeetham Coimbatore	Image Processing
5.	J.P. Anitha	M.E. – Applied Electroncis	PSG College of Technology /Bharathiar University Coimbatore	PSG College of Technology /Anna University Coimbatore	Dr.P.T.Vanathi Asst.Professor, Dept of ECE, PSG Tech, Coimbatore Anna University	Fault detection in VLSI
6.	Ms. S. Kirthiga	M.E (Communication Systems)	PSG College of Technology, Bharathiar Univ,Coimbatore	ECE Dept/ Amrita University, Coimbatore	Dr. M. Jayakumar, Professor, Amrita University	*
7.	Mr. D.S. Harish Ram	M.E / VLSI Design	PSG College of Technology, Bharathiar Univ,Coimbatore	EEE Dept, PSG college of Technology, Anna University	Dr.M.C.Bhuvaneswari Assistant Professor, EEE Dept, PSG college of Technology, Anna University	Multiobjective optimization of area, delay and power during high level synthesis
8.	Ms. R. Vidhya Lavanya	M.Tech - Electronic Design Technology	National Institute of Technology , Calicut	Department of ECE , Anna University, Coimbatore	Dr.M.Madheswaran, Prinicpal, Muthiayammal Engineering College	VLSI architecture for Multiwavelet Transform / VLSI Signal Processing
9.	Ms. R. Deepa	M.E.Communication systems	PSG College of Technology, Bharathiar Univ,Coimbatore	Govt.College of Technology, Coimbatore, Anna University	Dr.K.Baskaran, Asst.Professor, Govt.College of Technology, Coimbatore, Anna University	Performance analysis and adaptive channel estimation of full rate Full diversity MIMO systems
10.	Ms. R. Lavanya	M.E - Applied	Coimbatore	CIET, Coimbatore,	Dr.N.Nagarajan,	Multiple

		Electronics	Institute of Technology, Anna University , Coimbatore	Anna University	Principal, CIET, CBE,Anna University	description coding for videos / Signal Processing
11.	Mr. R. Gandhiraj	M.Tech - Digital Systems and Communication	National Institute of Technology Calicut	ECE Dept/ Amrita University, Coimbatore	Dr.K.P.Soman Professor, Head CEN Dept, Amrita University	wireless communication , Software defined radio
12.	Ms. Karthigha Balamurugan	M.E.VLSI Design	Government college of Technology, Coimbatore	ECE Dept/ Amrita University, Coimbatore	Dr. M. Jayakumar, Professor, Amrita University	Investigations and studies on RF CMOS Devices at Millimeter Wave Frequency
13.	Mr. Binoy B. Nair	M.E. / Power Electronics	Amrita School of Engineering, Amrita Vishwa Vidyapeetham - Coimbatore	ECE Dept/ Amrita University, Coimbatore	Dr.V.P.Mohandas, Professor, Chairperson, Amrita University	Computational finance
14	Mr. C.B. Rajesh	M.Tech - Digital Electronics Communication Engineering	NMAMIT,NITTE,KARNATAKA, VTU,BELGAUM	CUSAT, Cochin	Dr. R. Gopikakumari , HOD, School of Engineering, CUSAT, Cochi	Signal Processing
15.	Mr. C.V. Nagendhiran	M.E. / Embedded Systems	Anna University Chennai	ECE Dept/ Amrita University, Coimbatore	Dr.K.I.Ramachandran, Professor, CEN Dept, Amrita University	Bio medical signal processing
16.	Mr. M. Ganesan	M.Tech - Digital system and Communication	National Institute of Technology ,Calicut	ECE Dept/ Amrita University, Coimbatore	Dr.E.P.Sumesh, Associate Professor, Amrita University	*
17.	Mr. K. Pargunarajan	M.E - Wireless Technolgies	Thigarajar College of Engineering /Anna University	ECE Dept/ Amrita University, Coimbatore	Dr. M. Jayakumar, Professor, Amrita University	Wireless Coding technique /Wireless Communication
18.	Mr. S.R. Ramesh	M.E-VLSI Design	Arulmigu Kalasalingam College of Engineering,	Arulmigu Kalasalingam College of Engineering,Krishn	Dr.R.Jayaparvathy, Assistant Professor,EEE Department,Coi	Toggle Rate Computation of

			Krishnankoil	ankoil	mbatore Institute of Technology,Coimbatore	FPGA based Logic Circuits/ CAD VLSI

S. No.	Number of Research Scholars registered for PhD	Number of Research Scholars that completed PhD**	Number of Research Staff that are **not** registered for PhD
1.	18	3	26

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. S. Selvakumar	M.E(Process Control&Instrumentation)	Annamalai university	Anna University Coimbatore EEE	Dr. R. Joseph Xavier Principal, Sri Ramakrishna Institute of Technology, Coimbatore	Renewable Energy and Control
2.	Ms. D. Kavitha	M.E(High Voltage Engineering)	Sastra University	EEE/ASE Coimbatore	Dr. T.N.P. Nambiar, Chairman EEE, Amrita School of Engineering	High Voltage Engineering
3	Ms. D. Prasanna Vadana	M.E(VLSI)	Sastra University	EEE/ASE Coimbatore	Dr.K.K Sasi, Amrita School of Engineering	Support Vector Machines
4	Mr. S.R. Mohanrajan	M.E(Power Electronics and Drives)	Government College of Engineering, Anna university	EEE/ASE Coimbatore	Dr. K.K. Sasi, Amrita School of Engineering	Distributed Generation
5	Ms. R. Jayabarathi	M.E(Power System)	NIT Trichy	Anna University, Chennai	Dr. N. Devarajan, GCT, Coimbatore	Reactive power compensation
6	Ms. M.R. Sindhu	M.Tech(Power System)	Government Engineering College	EEE/ASE Coimbatore	Dr. T.N.P. Nambiar, EEE/ASE Coimbatore Dr. Manjula G. Nair EEE, EEE/ASE Bangalore	Power Quality
7	Ms. V. Vanitha	M.E(Power System)	NIT Trichy	Anna University, Chennai	Dr. N. Devarajan, GCT, Coimbatore	Power Quality
8	Mr. S. Balamurugan	M.E(Power System)	Annamalai university	Anna University, Chennai	Dr. Ebenezer Jayakumar, SREC,	Power system controller

					Coimbatore	
9.	Ms. A. Vijayakumari	M.E(Applied Electronics)	CIT,Bharathiar University	Anna University, Coimbatore	Dr. N. Devarajan, GCT, Coimbatore	Power Electronics
10	Ms. Anju S. Pillai	M.E(Electronics design and technology	NIT calicut	EEE/ASE Coimbatore	Dr.T.B. Isha, Coimbatore	Real time scheduling
11	Ms. P. Supriya	M.S(Electronics andControl)	BITS Pilani	EEE/ASE Coimbatore	Dr. T.N.P. Nambiar,Chairman EEE, Amrita School of Engineering	Harmonics identification in power system
12	Ms. K.R.M. Vijayachandrakala	M.Tech(Electrical Power Systems)	Government Engineering College,University of Calicut	Anna University, Coimbatore	Dr. K. Sankaranarayanan, Akshaya College of engineering and technology, Coimbatore	Power system control

S. No.	Number of Research Scholars registered for PhD		Number of Research Scholars that completed PhD**	Number of Research Staff that are <u>not</u> registered for PhD
3	2009-2010	11	2	1

English Department

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. M.G. Priya	M.A.	Victoria College, Palakkad	Dept. of English, ASE, Coimbatore	Dr. Harini Jayaraman, Professor, ASE, Coimbatore	Compara-tive Literature

S. No.	Number of Research Scholars registered for PhD	Number of Research Scholars that completed PhD**	Number of Research Staff that are **<u>not</u>** registered for PhD
1.	1	1	

Mathematics Department

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. T. Palanisamy	M.Sc., M.Phil	Bharathiar University,	Amrita University,	Dr. J. Ravichandra	Wavelet Transforms

			Madurai Kamarajar Univeristy	Ettimadai	n, Asso. Professor, Dept. of Mathematics, Amrita University, Ettimadai	
2.	Mr. M. Sivasankar	M.Sc	Bharathidasan University	Amrita University, Ettimadai	Dr. T.R Padmanabhan, Professor Emeritus, Dept. of Information Technology, Amrita University, Ettimadai	Number Theory and Cryptography
3.	Mr. P. Subaramanian	M.Sc, M.Phil	Madurai Kamarajar University, Madurai	Amrita University, Ettimadai	Dr. K. Somasundaram. Chairperson /Asso. Professor, Dr.G.Prema Prof(Co-Guide)Dept. of Mathematics, Amrita University, Ettimadai	Linear Algebra
4.	Mrs. P. Puvaneswari	M.Sc., M.Phil	Madurai Kamaraj University, Avinashilingam Deemed University	Amrita University, Ettimadai	Dr. K. Shailendhra Asst. Professor, Dept. of Mathematics, Amrita University, Ettimadai	Fluid Dynamics
5.	Mrs. K. Gayathri	M.Sc., M.Phil	Bharathiar University, Alagappa University	Amrita University, Ettimadai	Dr. K. Shailendhra Asst. Professor, Dept. of Mathematics, Amrita University, Ettimadai	Fluid Dynamics
6.	Mrs. T.R. Saritha Kumari	M.Sc	Calicut University	Amrita University, Ettimadai	Dr. OS. Deepakumar. Asst. Professors, Dept. of Mathematic	Mathematical Modeling Biology

					s, Amrita University, Ettimadai	
7.	Mr. Praveen I.	M.Sc	Cochin University	Amrita University, Ettimadai	Dr.M. Sethumadhavan, Professor & Head, Dept. of Cyber Security, Amrita University, Ettimadai	Cryptography
8.	Mr. R. Aruldoss	M.Sc., M.Phil., (Algebra)	Bharathidasan University,Trichy	Bharathidasan University, Trichy	Dr. S.Krishnamoorthy, Professor and Head of the department of mathematics, Government Arts College, Kumbakonam	Semirings and Gamma Semirings
9.	Mr. P. Paramanathan	M.Sc.	Gandhigram Rural Institute –Deemed University	Gandhigram Rural Institute –Deemed University	Dr. R. Uthaya kumar, Asso. Professor, Dept. Mathematics, Gandhigram Rural Institute – Deemed University	Study on Dimensions of Fractal Sets, Wave forms & applications

Mechanical Engineering Department

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,	Liquid jet Instability

					Coimbatore	
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	Aerospace Engineering Department, Amrita School of Engineering, Ettimadai, Coimbatore	Dr. K. Satheesh, Assistant Professor, Amrita School of Engineering, Ettimadai, Coimbatore	Granular Flow
4	J. Gokulachandran	ME(IE)	PSG college of Technology Bharathiar University	Mech.Engg, Amrita School Of Engg Coimbatore	Dr. K. Mohandas	Reliability engineering
5	N. Radhika	ME (Engineeering design)	Kongu College of Engineering	Metallurgical Engineering, PSG College of Technology	Dr. R. Subramanian	Composite Materials
6	T.S. Praveen	ME (Engineeering design)	Kongu College of Engineering	Production Technology, GCT	Dr. Manomani	welding
7	J. Selvaraj	ME (Computer Integrated Manufacaturing)	PSG College of Technology, Coimbatore	Mechanical Engineering, Amrita School of Engineering, Coimbatore	Dr. K.I. Ramachandran, Professor, ASE, CBE	Green Manufacturing
8	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

9	M. Saimurugan	M.E(CAD)	Government College of Engineering, Salem	Mechanical Engineering, Amrita School of Engineering, Coimbatore	Dr. K.I. Ramachandran, Professor, ASE, CBE	Multi Component fault diagnosis of rotating machinery
10	S. Saravana Murugan	M.E(Engineering Design)	Kongu Engineering College	Mechanical Engineering, Anna University, Coimbatore	Dr. T. Alwarsamy	Vibration control in machine tools
11	R Padmanaban	B.E (Mechanical Enginering) / M.E (Engineering Deasign)	Tamilnadu College of Engg GCT Coimbatore Bharathiar University	PSG College of Tech. Dept of Metallurgical Engg	Dr. V. Balusamy, Asst prof. PSGCT	Friction Stir Welding
12	N.R. Sakthivel	M.E(Engg 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'
13	S. Venkat Prasat	ME (CAD/CAM)	Kumaraguru College of Technology /Anna University, Chennai	Anna University, Coimbatore.	Dr. R. Subramanian, Associate Professor, Dept. of Metallurgical Engg., PSG College of Technology, Coimbatore	Composite Materials
14	S.P. ANBUUDAYASANKAR	M.E. Industrial Engineering	Regional Engineering College, Bharathidasan University	Mechanical Engineering Department, Amrita School of Engineering, Ettimadai, Coimbatore	Dr. K. Mohandas, Professor, Amrita School of Engineering, Ettimadai, Coimbatore	Supply chain and Logistics
15	S. Ilangovan	ME (Production	PSG College of Technology,	Mechanical Engineering,	Dr. R. Sellamuthu	**Alloy developme**

		Engineering)	Coimbatore	Amrita School of Engineering, Coimbatore	(Professor) Amrita School of Engineering, Coimbatore	nt
16	S. Ravikumar	ME cad	Govt College of Engg. Salem	Mechanical Engineering, Amrita School of Engineering, Coimbatore	Dr. K.I. Ramachandran, Professor, ASE, CBE	Machine Learning and Automated Visual Inspection
17	S. Babudevasenapati	M.E Energy engineering	NIT Trichy	Mechanical Engineering Amrita School of Engineering Coimbatore	Dr. K.I. Ramachandran, Professor, ASE, CBE	Engine Misfire detection
18	Sanjivi Arul	M.S(Systems and Information)	BITS PILANI	Mechanical Engineering Amrita School of Engineering Coimbatore	Dr. R. Sellamuthu,ASE, Coimbatore	GTAW
19	M. Elangovan	M.Tech	IIT Madras	Mechanical Engineering Amrita School of Engineering Coimbatore	Dr. K.I. Ramachandran, Professor, ASE, CBE	Tool condition monitoring
20	Mr. P. Raghuram	M.E	P.S.G Tech	Mechanical Engineering Amrita School of Engineering Coimbatore	Dr. P.G. Saleeshya, Assoc. Prof., ASE, CBE.	Supply Chain management
21	A. Sumesh	M.Tech	Amrita	Mechanical Engineering Amrita School of Engineering Coimbatore	Dr. K. Rameshkumar	Manufacturing
22	Saravanan	M.Tech	Amrita	Mechanical Engineering Amrita School of Engineering Coimbatore	Dr. R. Sellamuthu	welding
23	Srihari	M.E	Anna	Mechanical Engineering Amrita School of Engineering Coimbatore	Dr. S. Thirumalini	Heat Engine

S. No.	Number of Research Scholars registered for PhD	Number of Research Scholars that completed PhD**	Number of Research Staff that are not registered for PhD
1.	2	5	

CSE

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.	Prof. P.N. Kumar	M.Tech	IIT, Kanpur	Amrita Vishwa Vidyapeetham	Dr.V.P.Mohandas, Chairperson, ECE, Amrita Vishwa Vidyapeetham, Ettimadai	Financial Forecasting of Stock Markets
2.	Mr. P. Bagavathi Sivakumar	M.S (Software Systems)	BITS PILANI	Amrita Vishwa Vidyapeetham	Dr.V.P.Mohandas, Chairperson, ECE, Amrita Vishwa Vidyapeetham, Ettimadai	Time Series Analysis and Forecasting
3.	Mr. S. Thangavelu	MCA	Bharathiar University	Amrita Vishwa Vidyapeetham	Dr.C.Shunmuga Velayutham, Asst. Professor, Amrita Vishwa Vidyapeetham, Coimbatore	A Parallel Unified Framework of Real coded Genetic Algorithms
4.	Ms. N. Harini	MCA M.Phil	Baradhidasan University PSG Technology, Coimbatore (Bharathiar University)	Amrita Vishwa Vidyapeetham	Dr. T.R.Padmanabhan, Professor, Emeritus, Amrita Vishwa Vidyapeetham, Coimbatore	Information Security
5.	Ms. K. Nalinadevi	M.Tech	Indian Institute of Technology, Madras	Anna University	Dr.A.Rajeswari, Associate Professor,	Wireless Multimedia Sensor Networks.

					Coimbatore Institute of Technology, Coimbatore – 14	
6.	Mr. G. Jeyakumar	MCA M.Phil	Periyar Maniyammai College of Technology Thanjavur,Bharatidasan University . Manonmaniam Sundaranar University .	Amrita Vishwa Vidyapeetham	Dr.C.Shunmuga Velayutham, Asst. Professor, Amrita Vishwa Vidyapeetham, Coimbatore	Cooperative Differential Evolution
7.	Mr. T. Senthil Kumar	M.Tech (Distributed Computing Systems)	Pondicherry Engineering College, Pondicherry University	Anna University	Dr.S.N. Sivanandam, Dean – Advisor, Akshaya College of Engineering and Technology, Coimbatore.	Video Processing
8.	Ms. Smitha H.	M.E.	Kumaraguru College of Technology	Anna University	Dr. Palanisamy, Principal, Info Institute of Technology	Event Recognition in Videos
9.	Ms. C.K. Shyamala	MCA, M.Phil	PSG College of Arts and Sciences, Bharathiar University. PSG College of Arts and Sciences, Bharathiar University.	Amrita Vishwa Vidyapeetham	Dr. T.R.Padmanabhan, Professor, Emeritus, Amrita Vishwa Vidyapeetham, Coimbatore	Information Security
10.	Ms. Hema P. Menon	M.Tech CVIP	Amrita Vishwa Vidyapeetham	Amrita Vishwa Vidyapeetham	Dr.K.A.Narayanankutty, Professor,ECE, Amrita Vishwa Vidyapeetham, Coimbatore	Medical Image Processing – Perceptional Image Fusion
11.	Mr. V. Ananthanarayanan	M.E.	College of Engineering, Guindy, Anna	Anna University	Dr.A.Rajeswari, Associate	Hand-off Problem in Wireless

			University, Chennai – 25		Professor,Coimbatore Institute of Technology – Coimbatore	Adhoc Networks
12.	Mr. M. Senthil Kumar	M.E.	GCT, Coimbatore	Anna University	Dr.M.L.Valarmathi, AP/CSE, GCT, Coimbatore	Mobile Computing

S. No.	Number of Research Scholars registered for PhD	Number of Research Scholars that completed PhD**	Number of Research Staff that are <u>not</u> registered for PhD
1.	12	2 (Dr. R. Karthi - Jan, 2010 Dr. N. Radhika – Dec, 2008)	

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**

S. No.	Number of Research Scholars registered for PhD	Number of Research Scholars that completed PhD**	Number of Research Staff that are **<u>not</u>** registered for PhD
1.	**2**	**Nil**	**Nil**

Science Department

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	Suneesh P V	M Sc (Chemistry)	Calicut University	Department of Sciences	Dr T Ramachandran, Professor, ASE, Ettimadai	Electrochemical Sensors
2	D. Keerthy	M.sc. (organic chemistry)	Periyar university	Department of Sciences	Dr. R. Yamuna Asst. Professor(SG) ASE, Ettimadai	Porphyrin

3	R. Devi	M.Sc (general chemistry)	AVVM sri pushpam college, Poondi, Thanjavur	Department of Sciences	Dr. R. Yamuna Asst. Professor(SG) ASE, Ettimadai	Battery

14. Citation index of faculty members and impact factor:

Amrita School of Arts & Sciences – Amritapuri:

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2010	International Journal	1.	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 (1JBC) Month and Year of Publication: March 2010 Volume No. Page No.	0.918
			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
		2.	Title of the Paper: Recent advances in Can mediated reactions in Organic Synthesis Authors: Vijay Nair and Ani Deepthi Name of the Journal: Tetrahedron Month and Year of Publication: 2009 Volume No. 65 Page No. 10745	
		3.	Title of the Paper: 'Bimolecular motor proteins as targets for cancer- a computational study'- Authors: Ajith G Warrier, Baranidharan.M, Deepak O.M., Krishnan Namboori P.K. Sujan Surendran S, SaiRam G.L. Name of the Journal: IEEE Explore, Month and Year of Publication: 2010 Volume No. DODOI 10.1109/ IEEE	

			tech Sym 2010.129; 978-0-7695-3845-3/10S25 2010 IEEE	
	International Journal	1.	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: Sridhar et al, Name of the Journal: Asian journal of Chemistry Month and Year of Publication: 2009 Volume No. 21(9) Page No. 6792-6802	
		2.	Title of the Paper: Synthesis and Characterization of Glycerol Dimethacrylate-4-vinyl pyridine Authors: Sridhar et al Name of the Journal: Asian Journal of Chemistry Month and Year of Publication: 2009 Page No: 6811-6802	
	International Conference (Proceedings)	1.	Title of the Paper: Nonlinear wave Propagation through photorefractive media Authors: K.S. Sreelatha Name of the Conference: International conference on recent Developments in Nonlinear Dynamics Duration of the Conference: February 13-16-2008 Name of the Organizer: Conference Venue: Page No: Proceedings Published By: Nonlinear dynamics, Ed. Daniel & Rajasekhar (Narosa, 2009	
	National Conference (Proceedings)	1.	Title of the Paper: "Mysticism in Sri Aurbindo's Poems" Authors: Indu B Name of the Conference: National Conference on Re reading Sri Aurobindo Duration of the Conference: March 4-5,	

			2010 Name of the Organizer: Pondicherry Central University Conference Venue: Pondicherry Page No: Proceedings Published By: Pondicherry Central University	

Amrita School of Biotechnology – Amritapuri:

Year	Type of Publication		Publication Details	Average citation index and impact factor of publications
2010	International Journal	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	Impact Factor: 2.480

			Volume No.: 1804 Page No. 245-262	
		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**
2009	International Journal	1	Title of the Paper: MAP kinase p38α C-terminal domain binding pocket characterized by crystallographic and computational Analyses. Authors: **Perry J.J.P**, Harris R., Moiani, D., Olson A. & Tainer J.A. 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 J.J.P,** Hitomi K., Tainer J.A. Name of the Journal: *Structure.* Month and Year of Publication: May 2009 Volume No.: 17	Impact factor: 5.738

			Page No. 633-4	
		3	Title of the Paper: A molecular mimetic of SUMO promotes DNA repair. Authors: **Perry J.J.P**, Cotner-Gohara, E., Ellenberger T. & Tainer J.A. 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 J.J.P,** Hearn A.S, Cabelli D.E, Lepock J.R., Tainer J.A., Nick H.S, Silverman D.N. Name of the Journal: *Biochemistry* Month and Year of Publication: April 2009 Volume No.: 48 Page No.: 3417–3424	Impact factor: 3.633
		5	Title of the Paper: Genome stability roles for SUMO-targeted ubiquitin ligases Authors: Heideker J., **Perry J.J.P** & Boddy M.N. 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 S.S., **Perry J.J.P,** Poulose N., Nair B.G., Anilkumar G. Name of the Journal: *Journal of Biomolecular Structure and Dynamics* Month and Year of Publication: Feb 2009 Volume No.: 26	Impact Factor: 1.12

			Page No. 455-64.	
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 J.J.P**, Tainer J.A., Boddy M.N. 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 J.E., Brooun A., Zhang H, Irimpam M., Hura G.L., Foster S.A., **Perry J.J.P.**, Ramage P., Widmer H., Bokach, Tainer J.A., 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 J.J.P.**, Tainer J.A., Boddy M.N. 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

2010	International Conference	1.	**Title of the Paper:** Modeling granular layer local field potential using single neuron and network based approaches to predict LTP/LTD in extracellular recordings. **Authors**: H. Parasuram, N. Abdulmanaph, B. Nair, S. Diwakar. **Name of the Conference**: Neurocomp (Lyon, France) 2010	

			Month and Year of Publication: Oct 6-8, 2010	
		2.	**Title of the Paper:** Modeling spatio-temporal processing in cerebellar granular layer and effects of controlled inhibition on plasticity. **Authors**: S. Subramaniyam, C. Medini, B. Nair, S. Diwakar. **Name of the Conference**: Neurocomp (Lyon, France) 2010 **Month and Year of Publication**: Oct 6-8, 2010	
		3.	**Title of the Paper:** Exploring input-output characteristics of the cerebellar granule neuron: role of synaptic inhibition, spike timing and plasticity. **Authors**: P. James, N. Abdulmanaph, B. Nair, S. Diwakar. **Name of the Conference**: Neurocomp (Lyon, France) 2010 **Month and Year of Publication**: Oct 6-8, 2010	
		4.	**Title of the Paper:** Modeling Action Potentials and Bursting Phenomena using Analog Electrical Neurons. **Authors**: M. Parangan, C. Asok, H. Parasuraman, K. Achuthan, B. Nair, S. Diwakar. **Name of the Conference**: ACM A2CWIC **Month and Year of Publication**: Sept 16-17, 2010.	
		5.	**Title of the Paper:** Information Processing Via Post-Synaptic EPSP-Spike Complex and Model-based Predictions Of Induced Changes During Plasticity in Cerebellar Granular Neuron. **Authors**: M. Nair, N. Melethdathil, B. Nair, S. Diwakar. **Name of the Conference**: ACM A2CWIC **Month and Year of Publication**: Sept 16-17, 2010.	
		6.	**Title of the Paper:** Reconstructing extracellular local field potential in cerebellar granular layer networks. **Authors**: H. Parasuram, N. Abdulmanaph, B. Nair, S. Diwakar. **Name of the Conference**: IEEE BIC-TA 2010 (Liverpool, UK) **Month and Year of Publication**: Sept 8-10, 2010.	

		7.	**Title of the Paper:** Modeling cerebellar granular layer excitability and combinatorial computation with spikes. **Authors**: C. Medini, S. Subramaniyam, B. Nair, S. Diwakar. **Name of the Conference**: IEEE BIC-TA 2010 (Liverpool, UK) **Month and Year of Publication**: Sept 8-10, 2010.	
		8.	**Title of the Paper:** Characterizing information transmission in cerebellar granule neuron. **Authors**: N. Abdulmanaph, P. James, B. Nair, S. Diwakar. **Name of the Conference**: IEEE BIC-TA 2010 (Liverpool, UK) **Month and Year of Publication**: Sept 8-10, 2010	
		9.	**Title of the Paper:** Biotechnology Virtual Labs – Integrating Wet-lab Techniques and Theoretical Learning for Enhanced Learning at Universities. **Authors**: S. Diwakar, K. Achuthan, P. Nedungadi. **Name of the Conference**: International Conference on Data Storage and Data Engineering (DSDE 2010), **Month and Year of Publication**: Feb 10, 2010.	
	National Conference	1.	**Title**- Association analysis of SNPs in STRA6 and RBP4 with type 2 diabetes and related complications - Identification of STRA6 as a novel candidate gene for type 2 diabetes **Conference** - 79th Annual Meeting, Society of Biological Chemists (India) 2010. **Authors –** Anup Kumar Nair, Divya Sugunan, Harish Kumar, Gopalakrishnapillai Anilkumar.	
		2.	**Title**- A common haplotype in FOXO3A is associated with type 2 diabetes in South Indian Dravidian population. **Conference** - *79th Annual Meeting, Society of Biological Chemists (India) 2010.* **Authors**- Divya Sugunan, Anup Kumar Nair, Harish Kumar, Gopalakrishnapillai Anilkumar	
2009	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	

Amrita School of Ayurveda – Amritapuri:

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
	National Journal	1.	Title of the Paper: Histopathological Changes During Jalauka Avacharana – A Curative Approach Authors: Dr. Rabinarayan Tripathy Name of the Journal: Renaissance Month and Year of Publication: 2 April – June 2010 Volume No. Page No.	
		2.	Title of the Paper: Authors: Name of the Journal: Month and Year of Publication: Volume No. Page No.	

Amrita School of Business – Coimbatore:

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2009	National Journal	1.	Title of the Paper: Assessing the relationship between Emotional Intelligence, Occupational Self Efficacy and Organizational Commitment Authors: Rathi, Neerpal and Renu Rastogi Name of the Journal: Journal of Indian Academy of the Applied Psychology Month and Year of Publication: October 2009, Special Issue, Volume No: 35 Page No: 93-102	-

		2.	Title of the Paper: Prospects of semi Conductor Industry - with reference to India Authors: Rani Geetha Priyadarshini R Name of the Journal: Udyog Pragati -The Journal for practicing managers Month and Year of Publication: July - September, 2009 Volume No: 33 Page No: 3	
		3.	Title of the Paper: Asset Price Bubbles, The Why and How Authors: Sunil Puliyakot Name of the Journal: Chartered Financial Analyst Month and Year of Publication: August 2009 Volume No: Page No. page no. 34 and 35	
		4.	Title of the Paper: Geithner-Summers Plan – Setting a Bad Precedent? Authors: Sunil Puliyakot Name of the Journal: Chartered Financial Analyst Month and Year of Publication: May 2009 Volume No. Page No. 73 and 74	
		5.	Title of the Paper: Treatment of Interest on Borrowings in Financial Accounting and Income Tax in Taxation Authors: Ramu Krishnamurthi Name of the Journal: Chartered Accountant Month and Year of Publication: December 2009 Volume No: Page No: 936-941	
		6.	Title of the Paper: A Study on the influence of emotional intelligence on self monitoring using	

			structural equation modeling Authors: Rani Geetha Priyadarshini R Name of the Journal: Journal of Management and Prudence Month and Year of Publication: March 2010 Volume No: 1 Page No: -	
		7.	Title of the Paper: A Study on the relationship between Emotional Intelligence, Organizational Culture and Impression Management Authors: Rani Geetha Priyadarshini R Name of the Journal: Journal of Contemporary Research in Management Month and Year of Publication: April – June 2010 Volume No: 5, No.2 Page No: -	
	International Conference (Proceedings)	1.	Title of the Paper: The Effect of Direct Advertising to Consumers (DTCA) in Prescription Pharmaceutical Drugs, and Consumer Welfare Authors: Gurumurthy Kalyanaram and P. Balasubramanian Name of the Conference: Conference Proceedings Northeast Business & Economics Association, 2010 Duration of the Conference: 30th September, 2010 – 2nd October, 2010 Name of the Organizer: Montclair State University Conference Venue: New Jersey Page No: Proceedings Published By: Northeast Business & Economics Association	
	National Conference (Proceedings)	1.	Title of the Paper: Water Conflict Resolution Approaches for Enhancing Sustainable Livelihoods in Community Based Water Management Authors: Mahapatra, Sushanta Kumar, Sudip Mitra, S.V. Ramana, Mary Dayabati Kiro, Suryakanta Das & Sudha Nair.	

			Name of the Conference: Workshop on Innovations in the Water Sector Duration of the Conference: Name of the Organizer: United States-India Educational Foundation Conference Venue: New Delhi Page No: Proceedings Published By:	

Amrita School of Education – Mysore:

2009

1. Priya Kumari, "Strands of constructivism in Bhagavad Gita", November 2009, *Educational Research and Reviews* Vol. 4 (11), 530-534.
2. Dr. K.V. Sridevi (2009). Quality indicators of Instructional strategies and practices in high schools, *Edutracks*, Vol.9, No.4, 12-15.

2010

1. Dr. K.V. Sridevi (2010). Work Culture: A Quality indicator for Institutional effectiveness. In Natesan A.K., et.al. (Eds), *Quality concerns in Teacher Education*, New Delhi: A.P.H. Publishing Corporation.
2. Dr.K.V. Sridevi & Spoorthy (2010). A study of attitude towards education and self-concept of the children residing in Juvenile home of Mysore city, *Indian Psychological Review*, Vol. 74, No. 1, 21-28.
3. Dr.K.V. Sridevi (2010). A Study of perception of nature of science among secondary school students, Journal of Education and Pedagogy, Vol.2, No.2, 55-65.
4. Sharad Sure, "Effects of Computer Education course on attitude of student teachers' towards computer use", 2010, *Gurujyothi Research and Reflections.*
5. Sharad Sure, "Development of a tool to measure computer self-efficacy of student teachers", Journal of All India Association of Educational Research.

Amrita School of Dentistry – Kochi:

Paper Presentations:

Name of the School	Faculty Presented	Topic	Venue
Amrita School of Dentistry	Dr. Chandrashekar J.	Urinary fluoride levels among Jowar consumers in Davangare Dist. Karnataka	XXIX conference of International Society for Fluoride Research, Dec. 2010
	Dr. Seby J. Gardens	Malocclusion and Traumatic injuries among intellectually disabled special needs school children	XV National conference of IAPHD at JSS Dental College, Mysore – December 2010
	Dr. Rakesh S.	Protocol for the diagnosis of white lesions	National conference IDA, Chennai - Feb. 2010
	Dr. Mahija J.	The use of dental criteria for	National conference of

		estimating postnatal survival in skeletal remains of Infants	Forensic odentology, Chennai – April 2010
	Dr. Tina Elizabeth	Truth in the tooth – carbon 14 dating technique	National conference of Forensic odentology, Chennai – April 2010

Amrita School of Pharmacy – Kochi:

Paper Presentation:

1. II Louis Pasteur memorial symposium 9TH & 10TH September 2009. National symposium on antimicrobial resistance and drug discovery.Sponsored by ICMR&CSIR at NGP Arts and science college, KMCH, Coimbatore.(Attended by S. Sathianarayanan, Sr. Lecturer)

Presented Two Poster Presentations at above symposium

a. Phytochemical Investigations and antibacterial activity of Wrightia tinctoria by Asha Jose, S. Sathianarayanan, Dhanya Mohan, & Suja Abraham.

Preliminary Phytochemical & antimicrobial Investigation of Indigofera Tinctoria by Dhanya Mohan, Asha Jose, S. Sathianarayanan & Suja Abraham

Oral Presentations

1. Sonal Sekhar, Sr. Lecturer presented oral presentation on A study on impact of patient counselling by Pharmacist in reducing adverse effects in patients on polypharmacy at 1st Annual Research Congress(KUARC) 2009 held at Karpagam University , Coimbatore on 7-10 Dec 2009.
2. Ms. Kalpana P.R., Asst. Professor presented oral presentation on Phytochemical and pharmaceutical evaluation of selected plants for hepatoprotective potential at 1st Annual Research Congress(KUARC) 2009 held at Karpagam University, Coimbatore on 7-10 Dec 2009.
3. Mr. Sathianarayanan, Sr. Lecturer presented oral presentation on Phytochemical investigation and pharmacological screening of selected medicinal plants as immunomodulators at 1st Annual Research Congress (KUARC), 2009, held at Karpagam University, Coimbatore on 7-10 Dec 2009.
4. Mr.Aneesh TP ,Sr.lecturer presented oral presentation on Spectrophotometric and HPLC method Development and Validation of Drugs in Pharmaceutical dosage forms at 1st Annual Research Congress(KUARC) 2009 held at Karpagam University, Coimbatore on 7-10 Dec 2009.
5. Ms. Suja Abraham, Sr. Lecturer presented oral presentation on Pharmacoeconomics of End stage renal disease patients at 1st Annual Research Congress(KUARC) 2009 held at Karpagam University, Coimbatore on 7-10 Dec 2009.

Poster Presentations

1. Sonal Sekhar, Sr. Lecturer presented poster presentation on Study on dispensing errors in a tertiary care hospital authored by Sonal Sekhar, Mini Annie Mathew, Suja Abraham at 61st Indian Pharmaceutical Congress(IPC) held at Nirma University, Ahmedabad from 11th to 13th Dec 2009.
2. Asha Jose, S. Sathianarayanan, Suja Abraham and A. Rajasekharan: Preliminary phytochemical screening and anti hepatitis C virus activity of Indigofera Tinctoria. 5th World Congress on cellular and molecular biology on Nov 2to 6 2009 organized by school of Biotechnology.Devi Ahilya Univesity ,Indore.Sponsored by World Society of cellular and molecular biology,France.
3. S. Sathianarayanan, Asha Jose, Suja Abraham and A. Rajasekharan: Phytochemical Standardisation and anti HIV and Cytotoxicity studies of Wrightia tinctoria. 5th World Congress on cellular and molecular biology on Nov 2to 6 2009 organized by school of Biotechnology.Devi Ahilya Univesity ,Indore.Sponsored by World Society of cellular and molecular biology,France.
4. Asha Jose, S Sathianarayanan, Suja Abraham and A. Rajasekharan: Antioxidant and free radical scavenging activity of wrightia tinctoria leaves.International Seminar on Herbal Drug Research: Present and future prospects. On Dec. 4th and 5th 2009. Organized by TIFAC CORE in Herbal Drugs and Dept. Of Phyto pharmacy and phytomedicine, J.S.S College of Pharmacy. Sponsored by J.S.S Univesity & AICTE New Delhi at Ooty.

The poster presentation from the Amrita School of Pharmacy for 61st Indian Pharmaceutical

Congress (IPC) at Dec. 11 -13 at Nirma University, Ahmedabad

1. Study on drug use in paediatric inpatients In a tertiary care hospital
Merin Cherian, Vibha M., Rajasree P.H., Sonal Sekhar
2. Study on dispensing errors in a tertiary care hospital
Sonal Sekhar, Mini Anne Mathew, Suja Abraham
3. Drug coding system: an effective tool for avoiding medication errors
Aneesh S.A., Anuraag Muralidharan , Shenoy P.O.
4. Confrontational use of antibiotics in Paediatric prescriptions
Anuraag Muralidharan, Arya Subash, Anupama P.P., Vidya Vishwanad
5. Design and Evaluation of Metformin hydrochloride sintered matrix tablets - Sumith G., Anoop K.R., Shoma Jose, Asha Jose

Amrita School of Engineering – Amritapuri:

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2010	International Journal	1.	Title of the Paper: Denial of Service Attacks on Real-time Media thorough Indirect Contention-In-Hosts: Analysis and Mitigation Authors: Jayaraj Poroor., Bharat Jayaraman. Name of the Journal: IEEE Internet Computing, Month and Year of Publication: Nov-Dec 2009 Volume No. 13 (6), Page No. 22-30	
		2.	Title of the Paper: uVoIP: Cross-layer optimization of buffer operations for providing secure VoIP services on constrained embedded devices Authors: Jayaraj Poroor., Dinil D., Aravind P., Thothadri Rajesh., Aravind P., Anand R. Name of the Journal: International Journal of Next-Generation Networks (IJNGN), Month and Year of Publication: Dec 2009 Volume No. Vol. 1 No. 1, Page No. 12-22.	
		3.	Title of the Paper: Real Time Landslide Monitoring via Wireless Sensor Network Authors: Maneesha V Ramesh. , Nirmala Vasudevan. , Joshua Freeman. Name of the Journal: Geophysical Research Abstracts Volume No.Vol. 11, EGU2009-14061, EGU General Assembly 2009	
		4	Title of the Paper: "Multiplexing of Discrete Chaotic Signals in the Presence of Noise", Authors: Nithin Nagaraj. and Prabhakar G Vaidya., Name of the Journal: Chaos: An Interdisciplinary Journal of Nonlinear Science Month and Year of Publication: July 2009 Volume No.19 Page No. pp. 033102-1 -- 033102-9	

		5	Title of the Paper: "A Nonlinear Generalization of Singular Value Decomposition and Its Application to Mathematical Modeling and Chaotic Cryptanalysis", Authors: Nithin Nagaraj., Prabhakar G Vaidya., Sajini Anand P. S. Name of the Journal: 2010 Acta Applicandae Mathematicae Month and Year of Publication: January 2010 Volume No. 112(2) Page No.205-221 doi:10.1007/s10440-010-9560-z	
		6	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. Vol. 8, No.1 Page No. pp. 234-237	
		7	Title of the Paper : "Object Recognition and Obstacle Avoidance Robot" Authors: Balasubramanian. , Karthi., Arunkumar R., Jayachandran J., Jayapal V., Chundatt B.A., Freeman, J.D. Name of the Journal: CCDC'09 (chinese Control and Decision conference) held at Guilin, China Month and Year of Publication: June 17-19 2009, Page(s):3002 – 3006, doi:10.1109/CCDC.2009.5192399	
		8	Title of the Paper: "Electrical Characterization and Reliability Analysis of HfO2-TiO2-Al MOSCAPs', WASET, Authors: Shibesh Dutta., Sivaramakrishnan R., Sundar Gopalan. and Balakrishnan Shankar. Volume 58, ISSN 2070-3724, Article 19, pg 92-94, Venice, October 2009.	
		9	Title of the Paper: "Real Time Landslide Monitoring via Wireless Sensor Network" Authors: Joshua Freeman. Name of the Journal: Geophysical Research Abstracts, Vol. 11, EGU2009-14061, EGU General Assembly 2009 Month and Year of Publication: 2009 Volume No. 11 Page Nos.	
		10	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 MechanicalScience and Technology Month and Year of Publication: 2009,: Volume No. 23(9) Page No. 2390-2416	
		11	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 Journal	1.	Title of the Paper: Motion Segmentation Algorithm using Spectral Framework Authors: M.R. Kaimal, Vrinthavani R Name of the Journal: Defense Science Journal (DSJ) Month and Year of Publication: January 2010 Volume No. Vol. 60 No.1 Page No. 39-47	
	International Conference (Proceedings)	1.	Title of the Paper: Wireless Sensor Network for Landslide Detection Authors: Maneesha V. Ramesh, Sangeeth Kumar, P. Venkat Rangan Name of the Conference: 2009 International Conference on Wireless Networks (ICWN'09), CSREA Press, 2009 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		2.	Title of the Paper: Wireless Sensor Network LocalizationWith Imprecise Measurements Using Only a Quadratic Solver Authors: Maneesha V|. Ramesh, K. P. Soman Name of the Conference: 2009 International Conference on Wireless Networks (ICWN'09), CSREA Press, 2009 Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		3.	Title of the Paper: Real-time Wireless Sensor Network for Landslide Detection Authors: Maneesha V. Ramesh Name of the Conference: The Third	

			International Conference on Sensor Technologies and Applications, SENSORCOMM 2009, IEEE Digital Library, 2009 – BEST PAPER AWARD Duration of the Conference: Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		4.	Title of the Paper: " Optimal replacement policy of web services based on markov decision process " Authors: Sandhya, Nanjangud C. Narendra Name of the Conference: IEEE International Conference on Services Computing (SCC 2009) Duration of the Conference: Sept. 21 – 25, 2009 Name of the Organizer: Conference Venue:Bangalore Page No: Proceedings Published By: Presented by co-author	
		5	Title of the Paper: " Optimal replacement policy of web services based on markov decision process " Authors: Sandhya, Nanjangud C. Narendra Name of the Conference: IEEE International Conference on Services Computing (SCC 2009) Duration of the Conference: Sept. 21 – 25, 2009 Name of the Organizer: Conference Venue: Bangalore Page No: Proceedings Published By: Presented by co-author	
		6	Title of the Paper: Phased Set Associative Cache Design For Reduced Power Consumption Authors: Rajesh Kannan M (ECE Faculty) Deepu.K.B, Iype P. Joseph, and Vandana Vikram Name of the Conference: 2nd IEEE International Conference on Computer Science and Information Technology (IEEE ICCSIT 2009) Duration of the Conference: 8 - 11, August 2009 Name of the Organizer: Conference Venue: Beijing, China Page No: Vol.2, Pages 546 – 550 Proceedings Published By: IEEE Catalog Number : CFP0957E-PRT	
		7	Title of the Paper: Highly Power Efficient,	

			Uncompromised Performance Cache Design Using Dual-Edged Clock Authors: Rajesh Kannan M (ECE Faculty), Nived Krishnan, Arjun Ashok V and Arunkumar M Name of the Conference: 2nd IEEE International Conference on Computer Science and Information Technology (IEEE ICCSIT 2009) Duration of the Conference: 8 - 11, August 2009 Name of the Organizer: Conference Venue: Beijing, China Page No: Vol.2, Pages 533 – 537 Proceedings Published By:IEEE Catalog Number : CFP0957E-PRT	
		8	Title of the Paper: Power Consumption Reduction in CPU Datapath using a Novel Clocking Scheme Authors: Rajesh Kannan M (ECE Faculty), Shekhil Hassan T, Vivek P, Ashwin Mohan and Tanmay Rao M Name of the Conference: 2nd IEEE International Conference on Computer Science and Information Technology (IEEE ICCSIT 2009) Duration of the Conference: 8 - 11, August 2009 Name of the Organizer: Conference Venue: Beijing, China Page No: Vol.2, Pages 524-528 Proceedings Published By: IEEE Catalog Number : CFP0957E-PRT	
		9	Title of the Paper:Low power losssless compression of real time mpeg4 video encoding and decoding using vhdl and matlab Authors: Aswathy Prasad, Kamya Krishnan, Karthika, Parvathy, Rajesh Kannan M (ECE Faculty) Name of the Conference: 2nd IEEE International Conference on Computer Science and Information Technology (IEEE ICCSIT 2009) Duration of the Conference: 8 - 11, August 2009 Name of the Organizer: Conference Venue: Beijing, China Page No: Vol.4, Pages 408 -411 Proceedings Published By: IEEE Catalog Number : CFP0957E-PRT	
		10	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: ICPPW '09. International Conference on Parallel Processing Workshops Duration of the Conference: 22-25 Sept. 2009 Name of the Organizer: The Vienna University of Technology, Austria,The Ohio State University, USA(Sponsors: The International Association for Computers and Communications (IACC) The Austrian Computer Society) Conference Venue: Vienna, Austria Page No: 550 - 557 Proceedings Published By:IEEE	
		11	Title of the Paper: Novel Low Power, High Speed Hardware Implementation of 1D DCT/IDCT Using Xilinx FPGA Authors: Megalingam, R.K.; Sarma V, V.; Krishnan B, V.; Mithun, M.; Srikumar, R.; Name of the Conference: ICCTD '09. International Conference on Computer Technology and Development, Duration of the Conference: 13-15 Nov , 2009. Name of the Organizer: International Association of Computer Science & Information Technology (IACSIT) Conference Venue: Kota Kinabalu, Malaysia Page No: 530 - 534 Proceedings Published By:IEEE	
		12	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: ICCTD '09. International Conference on Computer Technology and Development, Duration of the Conference: 13-15 Nov , 2009. Name of the Organizer: International Association of Computer Science & Information Technology (IACSIT) Conference Venue: Kota Kinabalu, Malaysia Page No: 535 - 539 Proceedings Published By:IEEE	
		13	Title of the Paper: Low Power Consumption Coarse Grained Reconfigurable Adder Authors: Megalingam, Rajesh Kannan; Popuri, Gautham; Ravisankar, Parthasarathy Name of the Conference: ICCEE '09. Second International Conference on Computer and Electrical Engineering, Duration of the Conference: 28-30 Dec. 2009	

			Name of the Organizer:International Association of Computer Science and InformationTechnology. Conference Venue: Dubai, UAE Page No: 503 - 506 Proceedings Published By:IEEE	
		14	Rajesh Kannan Megalingam, Venkat Krishnan Balasubramanian, Mithun Muralidharan Nair, Vineeth Sarma Venugopala Sarma, Rahul Srikumar, Power Aware Automatic Microcontroller Based Smart, College Electric Bell System with Time Display 5th International Conference on MEMS NANO, and Smart Systems (ICMENS 2009), Dubai, UAE, 28-30 Dec, 2009	
		15	Rajesh Kannan Megalingam, Sreenath P S, Devidayal Soman, Jessin P A, Srikanth S Low Power Microcontroller Based Simple Smart Token Number Display System 5th International Conference on MEMS NANO, and Smart Systems (ICMENS 2009), Dubai, UAE, 28-30 Dec, 2009	
		16	Venkat Krishnan B, Rahul Srikumar, Mithun M, Vineeth Sharma and Rajesh Kannan Megalingam , Gating and Serializing the Data Path of CPU for Low Power Consumption, (ICCP 2009), Vienna, Austria, September 22 – 25, 2009, Pages 550 – 557, IEEE CPS, IEE Digital Library.	
		17	Arbind B. S, Vineeth Menon, Vishnu Mohan Menon C and Ramesh Bhakthavatchalu, Modified Density Weighted Contrast Enhancement Filter For Emphasizing Breast Masses in Digital Mammograms, ICSIP2009 (International Conference on Signal and Image Processing 2009), Aug 8 - 10 at Mysore.	
		18	"VLSI Implementation of Superscalar pipelining structures of a 32 bit Digital Signal Processor" (Authors: Arathy Menon, Aswathy Menon, Sithara K, Veena E and Ramesh Bhaktavatchalu.)	
		19	"32-bit Programmable Logic-BIST Using Verilog for ASIC Chips" (Authors: Archana K R, Aswathy Viswambharan, Deepthi K K, Brinda B S and Ramesh Bhakthavatchalu	
		20	Design of Programmable Logic-BIST Structures Using Verilog for Digital VLSI Circuits. by Ramesh Bhakthavatchalu (guide), Archana K R, Aswathy Viswambharan, Deepthi K K, Brinda B S at	

			National conference on recent trends in communication and signal processing.(RTCSP'09).	
		21	a. Published paper in "International Conference on VLSI and Communication" held in Chennai, January 8-10. Title: "VLSI Implementation of Superscalar pipelining structures of a 32 bit Digital Signal Processor" Authors: Arathy Menon, Aswathy Menon, Sithara K, Veena E and Ramesh Bhakthavatchalu.	
		22	b. Published paper in "International Conference on Recent Advancements in Electrical Sciences (ICRAES'10)" on January 9,10 -2010. Title: "32-bit Programmable Logic-BIST Using Verilog for ASIC Chips" Authors: Archana K R, Aswathy Viswambharan, Deepthi K K, Brinda B S and Ramesh Bhakthavatchalu.	
		23	Arbind B. S, Vineeth Menon, Vishnu Mohan Menon C and Ramesh Bhakthavatchalu, Modified Density Weighted Contrast Enhancement Filter For Emphasizing Breast Masses in Digital Mammograms, ICSIP2009 (International Conference on Signal and Image Processing 2009), Aug 8 - 10 at Mysore	
		24	Balasubramanian, Karthi; Arunkumar, R.; Jayachandran, J.; Jayapal, V.; Chundatt, B.A.; Freeman, J.D.; Object Recognition and Obstacle Avoidance Robot , CCDC'09 (chinese Control and Decision conference) held at Guilin, China from June 17-19 2009, Page(s):3002 – 3006, doi:10.1109/CCDC.2009.5192399	
		25	One paper was published in the "International Symposium on Integrated Circuits (ISIC 09)" , Singapore by the students of ECE dept and Br. Karthi, faculty of the ECE department. Title: Low Power Pipelined MIPS Processor Authors: Gautham P, Parthasarathy , Karthi B	
		26	One paper was published in the "International Conference for Technical Postgraduates (Techpos 09)" , Malaysia by the students of ECE dept and Br. Karthi, faculty of the ECE department. Title: MOS Characteristics and a Modified Linear Resistor Authors: Karthi B, Nikhil Krishnan,	

			Vineeth Kumar and Neeraj A Balakrishnan Shankar, Dr.Sundar Gopalan, Shibesh Dutta, Sivaramakrishnan, *"HFO_2 / TIO_2 stacks for GATE dielectric applications"* IEEE IEECON, Hong Kong. (Jan 2010)	
		27	Title of the Paper: Sign Language recognition tool using support vector machine Authors: Mr.Sininth (ECE Faculty), Aishwarya V, Devisree J, Neetika Singh, Bincy Mathew Name of the Conference: International Conference on Signal and Image Processing (ICSIP'09), Duration of the Conference: -- August 2009 Name of the Organizer: Conference Venue: Mysore, India Page No:345-348 Proceedings Published By:	
		28	"CMOS based 4 Digit LED Display Counter" by Br. Senthil of the ECE department was selected for "International Conference on Electrical, Computer and Systems Engineering" to be held in Capetown, South Africa from January 29-31, 2010.	
		29	Title of the Paper: Sign Language recognition tool using support vector machine Authors: Mr.Sininth (ECE Faculty), Aishwarya V, Devisree J, Neetika Singh, Bincy Mathew Name of the Conference: International Conference on Signal and Image Processing (ICSIP'09), Duration of the Conference: -- August 2009 Name of the Organizer: Conference Venue: Mysore, India Page No:345-348 Proceedings Published By:	
		30	Shibesh Dutta, Sivaramakrishnan, Sundar Gopalan and Balakrishnan Shankar, "HfO2/TiO2 Gate Stacks for MOSFETS"- IEEE CON, Hong Kong, January 2009	
		31	Title of the Paper: Object Recognition and Obstacle Avoidance Robot" Authors: Balasubramanian, Karthi; Arunkumar, R.; Jayachandran, J.; Jayapal, V.; Chundatt, B.A.; Freeman, J.D Name of the Conference: Chinese Control and Decision conference Duration of the Conference: June 17-19 2009 Name of the Organizer: Conference Venue: Guilin, China Proceedings Published By: IEEE XPLORE	

			Page Nos. 3002 – 3006	
		32	Title of the Paper: Estimation of Supply Side Harmonics by Using Network Impedance Data Authors: P. S. Chandramohanan Nair Name of the Conference: Annual IEEE Region 10 International Conference (TENCON 2009) Duration of the Conference: 23-26 November, 2009 Name of the Organizer: IEEE Conference Venue: Singapore Proceedings Published By: IEEE XPLORE Page Nos.1-6	
		33	Title of the Paper: Methods of Achieving Maximum RPM for Given Power for UAV Authors: Josh D. Freeman Name of the Conference: International conference on Mechanical and Aerospace Engineering Duration of the Conference: August 2009 Name of the Organizer: World Academy of Science & Technology Conference Venue: Singapore Proceedings Published By: Page Nos. 1-6	
		34	Title of the Paper: "Design and Analysis of Shunt Active Power Filter Based on Adaptive Fuzzy-Hysterisis Controller" Authors: Ms.Smitha Krishan Name of the Conference: International Conference on Control, Computing, and Communication(ICCC), India, Duration of the Conference: 18-20 Feb,2010 Name of the Organizer: Conference Venue: India Page No: Proceedings Published By:	
		35	Title of the Paper: "Design and analysis of shunt active power filter for electric traction system" Authors: Ms. Smitha Krishnan Name of the Conference: International Conference on Power, Control, Signals and Computation (EPSCICON 2010) Duration of the Conference: 4-6 January, 2010 Name of the Organizer: Vidya Academy of Science and Technology, Thrissur Conference Venue: Vidya Academy of Science and Technology, Thrissur Proceedings Published By: Page Nos.	
		36	Title of the Paper: Detection of Moving Cast	

			Shadows Using Edge Information Authors: Vinitha Panicker J, M Wilscy Name of the Conference: IEEE International Conference on Computer and Automation Engineering. Duration of the Conference: Feb 26 – 28, 2010 Name of the Organizer: IEEE Conference Venue: Singapore Page No: 817 - 822 Proceedings Published By: IEEE	
	National Conference (Proceedings)	**1.**	Title of the Paper: "Design of Shunt Active filter using Synchronous Detection Algorithm" Authors: Ms. Divya R Name of the Conference: National Conference on "Power Electronics and Drives Duration of the Conference: 12-13 March 2010 Name of the Organizer: PCID 2010 Conference Venue: Bannari Amman Institute of technology, Erode Proceedings Published By: Page Nos.	
		2	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	

Amrita School of Engineering – Bengaluru:

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2009 - 2010	International Journal	1.	Title of the Paper: Implementation of systolic array architecture for FSBMA on FPGA Authors: Ganapathi Hegde., P.R.Vaya., C.R.Prasanna. Name of the Journal: E J S R Month and Year of Publication: July 2009	0.045 SCOPUS indexed

			Volume No. 33 Page No. 606-616	
		2.	Title of the Paper: Image Super resolution using Marginal distribution as prior Authors: S.Ravishankar. , K.V.V.Murthy. Name of the Journal: International Journal on Computer science and Information security. Month and Year of Publication: May 2010 Volume No. 8, No2. Page No. 347-350	0.4
		3.	Title of the Paper: The use of parabolic arc in matching curved boundary by point transformations for sextic order triangular element 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	
		4.	Title of the Paper: Some composite numerical integration schmes 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 idle	
		5.	Title of the Paper: On Quintic 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	
		6.	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	
		7.	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	
		8.	Title of the Paper: Interfacial stabilization of binary polymer blends through radiation treatment: A free volume approach Authors: J.M. Raj. , G.N. Kumaraswamy. and C. Ranganathaiah. Name of the Journal: Physica status solidi-C Month and Year of Publication: October 2009 Volume No. 11 Page No. 2404-2406	
		9.	Title of the Paper: DSP based digital controller for shunt active 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 Month and Year of Publication: November 2009 Volume No. Vol.2, No.7 Page No. 92 -94	
		10	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., Dr N.V.R Naidu., Dr 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	
		11	Title of the Paper: DSP based digital controller for shunt active 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 Month and Year of Publication: November 2009 Volume No. Vol.2, No.7 Page No. 92 -94	
	National Journal	1.	Title of the Paper: Will Sentences Have Divergence Upon Translation? : A Corpus-Evidence Based Solution for Example Based Approach" Authors: Dr. Deepa Gupta. Name of the Journal: Language in India	

			Month and Year of Publication: October 2009 Volume No. 9 Page No. 1930-2940	
	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: 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: 10/12/09 to 12/12/09 Name of the Organizer: MIT Manipal Conference Venue: Manipal , India Page No: 66 Proceedings Published By: Narosa Publishers	
		3.	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 Duration of the Conference: on 07/01/10 to 10/01/10. Name of the Organizer: Manipal Institute of Technology, Manipal, Karnataka, Conference Venue: Manipal Institute of Technology, Manipal, Karnataka, Page No: CD Proceedings Published By: Manipal Institute of Technology, Manipal, Karnataka,	
		4.	Title of the Paper: Marks sheet verification Authors: Shriram Balasubrahmanyam., Prashanth Iyer. and Ravishankar. Name of the Conference: 3 rd International conference on Anti-counterfeiting, Security and Identification in communication. Duration of the Conference: 20/08/09 to 22/08/09. Name of the Organizer: IEEE Communications Society Conference Venue: City University, Hongkong, China Page No: 359-362 Proceedings Published By: IEEE communication	

			society.	
		5.	Title of the Paper: Univesal Parallel Multiplier Architecture using Urdhva Tiryakbhyam Sutra Authors: Ankit Mahanot., Atharva Chauthaiwale., Dr.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:	
		6.	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:	
		7.	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: 19/07/09 to 24/07/09. Name of the Organizer: Conference Venue: St. Petersburg, Russia	
		8.	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: 19/07/09 to 24/07/09. Name of the Organizer: Conference Venue: St. Petersburg, Russia	
		9.	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	
		10	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.	
		11	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: 13/11/09 to 14/11/09. Name of the Organizer: BITS ,Pilani, India Conference Venue: BITS ,Pilani, India	
	National Conference (Proceedings)	1.	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	
		2.	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	
		3.	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: 23/11/09 to 24/11/09. Name of the Organizer: Vemana Institute of Technology. Conference Venue: Vemana Institute of Technology, Bangalore.	
		4.	Title of the Paper: Solar Sail Technology Authors: Aravinda Kumar M.S. Name of the Organizer: M.S. Ramiah Institute of Technology Conference Venue: M.S. Ramiah Institute of Technology, Bangalore.	

		5.	Title of the Paper: Simulation of Small holes used in Gas turbine Dome Authors: Debjyoti Sahu., V Ravikumar and Aravind Kumar M.S. Name of the Conference: Thermal, fluid and Energy Engineering Duration of the Conference: 23/11/09 to 24/11/09. Name of the Organizer: MAE Conference Venue: MAE, Alandi, Pune.	

Amrita School of Engineering – Coimbatore:
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Year	Type of Publication	Publication Details	Average citation index and impact factor of publications
2009	International Journal	Vijaya MS, Shivapratap G, Ajith VP, Soman KP, " English to Tamil Transliteration Using WEKA A Data Mining Tool", International Journal of Recent trends in Engineering, Academy Publishers, Finland, 2009	
2009	International Journal	Ramanathan R, Soman KP, "A Novel Methodology for Designing Linear Phase IIR Filters", International Journal of Recent trends in Engineering, Academy Publishers, Finland, 2009	
2009	International Journal	Hemalatha, Sukumar MK, Mithila, Soman KP, "Comparative study of Linear and Quadratic Programming Versions of SVM on Various Real Life Data Sets", International Journal of Recent trends in Engineering, Academy Publishers, Finland, 2009	
2009	International Journal	Sreedevi VP, Arathi V,Soman KP, "Lifting Factorizationin Maple", International Journal of Recent trends in Engineering, Academy Publishers, Finland, 2009	
2009	International Journal	Soman KP, Anand P, Sindhiya Binulal Golla, "A New Parametric Design of 2-Band Wavelet System," International Journal of Recent trends in Engineering, Academy Publishers, Finland, 2009	
2009	International Journal	Sindhiya Binulal Golla, Anand P, Soman KP, "Simplified Method of Designing Daubechies Wavelets," International Journal of Recent trends in Engineering, Academy Publishers, Finland, 2009	
2009	International Journal	Rakesh Peter, Shivapratap G, Divya G, Soman KP, "Evaluation of SVD and NMF methods for Latent Semantic Analysis", International Journal of Recent trends in Engineering, Academy Publishers, Finland, 2009	
2009	International Journal	Soumya VJ, Sumya T Soman, Soman KP, "Singular Value Decomposition- A Classroom Approach," International Journal of Recent trends in Engineering, Academy Publishers, Finland, 2009	
2009	International Journal	Soman KP,"Simplified Framework for Designing Biorthogonal and Orthogonal Wavelets",	

		International Journal of Recent trends in Engineering, Academy Publishers, Finland, 2009	
2009	International Journal	Dhanlakshmi V, Anand Kumar M Shivapratap G, Soman KP, Rajendran S, "Tamil POS Tagging using Linear Programming", International Journal of Recent trends in Engineering, Academy Publishers, Finland, 2009	
2009	International Journal	Sumaja S, Loganathan R, Soman KP, "English to Malayalam Transliteration Using Sequence Labeling Approach", International Journal of Recent trends in Engineering, Academy Publishers, Finland, 2009	
2009	International Journal	Sindhiya Binulal Golla, Anand P, Soman KP, "SVM based approach to Telugu Parts Of Speech Tagging using SVMTool", International Journal of Recent trends in Engineering, Academy Publishers, Finland, 2009	
2009	International Journal	N. Saravanan, V. N. S. Kumar Siddabattuni and K. I. Ramachandran, Static and Dynamic Analysis of Asymmetric Bevel Gears using Finite Element Method, International Journal of Applied Engineering Research, Volume 4, Number 5 May (2009), pp. 645-664	
2009	International Journal	V. Sugumaran and K. I. Ramachandran, Wavelet Selection Using Decision Tree for Fault Diagnosis of Roller Bearings, International Journal of Applied Engineering Research, Volume 4, Number 2 February (2009), pp. 201-225	
2009	International Journal	N. Saravanan, S. Cholairajan, K.I. Ramachandran, Vibration-based fault diagnosis of spur bevel gear box using fuzzy technique, Expert Systems with Applications, Volume 36, Issue 2, Part 2, March 2009, Pages 3119-3135, ISSN 0957-4174, DOI: 10.1016/j.eswa.2008.01.010	3.162
2008	International Journal	N. Saravanan, V.N.S. Kumar Siddabattuni, K.I. Ramachandran, A comparative study on classification of features by SVM and PSVM extracted using Morlet wavelet for fault diagnosis of spur bevel gear box, Expert Systems with Applications, Volume 35, Issue 3 (October 2008), Pages 1351–1366	3.162
2009	International Conference	Dhanalakshmi V., Anand kumar M., Rekha R. U., Arun kumar C., Soman K. P. and Rajendran S., "Morphological Analyzer for Agglutinative Languages using Machine Learning Approaches", *Proceedings of International Conference on Advances in Recent Technologies in Communication and Computing(ARTCom 2009),*	
2009	International Conference	Dhanalakshmi V., Anand kumar M., Padmavathy P., Soman K. P. and Rajendran S., "Chunker for Tamil", *Proceedings of International Conference on*	

		Advances in Recent Technologies in Communication and Computing(A R T Com 2009),	
2009	International Conference	Dhanalakshmi V., Anand kumar M., Soman K. P. and Rajendran S., "Postagger and Chunker for Tamil Language", *Proceedings of the 8th Tamil Internet Conference*, Cologne, Germany	
2009	International Conference	Anand kumar M., Dhanalakshmi V., Soman K. P. and Rajendran S., "A Novel Approach for Tamil Morphological Analyzer", *Proceedings of the 8th Tamil Internet Conference 2009*, Cologne, Germany	
2009	International Conference	Dhanalakshmi V., Padmavathy P., Anand kumar M., Soman K. P. and Rajendran S., "Chunker for Tamil using Machine Learning", *7th International Conference on Natural Language Processing 2009 (ICON 2009)*, IIIT Hyderabad	
2009	International Conference	Soman K P, Arathi T, An Intriguing Property of Scaling Function in Wavelet Theory and its Verification Using Daubechies-Lagarias Algorithm, In proceedings of International Conference on Advances in Recent Technologies in Communication and omputing, 2009	
2009	International Conference	Arathi T , Soman K P, Performance Evaluation of Information Theoretic Image Fusion Metrcis over Quantitative Metrics, In proceedings of International Conference on Advances in Recent Technologies in Communication and Computing, 2009	
2009	International Conference	Soman K P, Arathi T, Mridula Sara Augustine, Arunima S V, Daubechies-Lagarias Algorithm- A Simplified Approach, In proceedings of International Conference on Advances in Computing, Control and Telecommunication Technologies, 2009	
2009	International Conference	Mallika K, Arathi T, Krishna Rao G V, Soman K P, Framelet based Image Fusion for the enhancement of cloud associated shadow areas in satellite images, In proceedings of International Conference on Advances in Computing, Control and Telecommunication Technologies, 2009	
2009	International Conference	Arathi T, Mallika K, Rahul C, Soman K P,Performance Measures for Fusion of Multiple Input Images, In proceedings of International Conference on Advances in Computing, Control and Telecommunication Technologies, 2009	
2008	International Conference	Babu Devasenapati.S, Ramachandran.K.I and Sugumaran.V, Evaluation of Statistical and Histogram Features for Misfire Detection in a Four Stroke Petrol Engine using Support Vector Machines, World Conference on Soft Computing in Industrial Applications 2008	
2009	National Conference	Dineshkumar J., Sruthy Anna Cherry, Vasavi C. S., Krishnan Namboori P. K., Deepa Gopakumar, Dynamics of T Cell Infection by HIV; A Mathematical Model, National Symposium on Mathematical Methods and Applications,	

		December 2009	
2009	National Conference	Karthik V. S., Anjitha P. S., Vasavi C.S., Krishnan Namboori P. K., Deepa Gopakumar, Stochastic Model for Agricultural Production Networks, National Symposium on Mathematical Methods and Applications, December 2009	
2009	National Conference	Shafi K., Saju Joseph, Premkumar P., Krishnan Namboori P. K., Deepa Gopakumar, A Mathematical Model for Bacterial Chemotaxis, National Symposium on Mathematical Methods and Applications, December 2009	
2009	National Conference	Krace Kumar, Radhika Devi R., Varun Gopal K., Krishnan Namboori P. K., Deepa Gopakumar, Mathematical Model Exploring the Role of Immune Responses in the Rise of Drug-resistant Mutants in Vivo, National Symposium on Mathematical Methods and Applications, December 2009	
2009	National Conference	Vimal M., Deepankumar P., Sriram Ramakrishnan, Vasavi C. S., Krishnan Namboori P. K., Mathematical Model for Viral Dynamics - To Study the Dependence of Viral Parameter Estimates on the Assumed Viral Life Cycle, National Symposium on Mathematical Methods and Applications, December 2009	
2009	National Conference	Giridharan K., Divya B., Premkumar P., Krishnan Namboori P. K., Deepa Gopakumar, Mathematical Modeling of Singlet Oxygen in Photodynamic Therapy Used for Cancer Treatment, National Symposium on Mathematical Methods and Applications, December 2009	
2009	National Conference	Bhuvanesh M., Vrinda Harisankar, RadhaGayathri K. U., Krishnan Namboori P. K., Deepa Gopakumar, Gene Drive in Age-Structured Insect Population, National Symposium on Mathematical Methods and Applications, December 2009	
2009	National Conference	Shruthi R., Divya P., Preethi R., Bharath Parimalam, Radha Gayathri K. U., Krishnan Namboori P. K., Mathematical Models of Human Preimplantation Embryo Development, National Symposium on Mathematical Methods and Applications, December 2009	
2009	National Conference	Vishnu Nair M., Prasanth M., Gurunathan Ganesan, Varun Gopal K., Krishnan Namboori P. K., Dependance of 'Production Conditions on Quality of Butadine Rubber - A Machine Learning Approach Using SVM (Support Vector Machine), National Symposium on Mathematical Methods and Applications, December 2009	
2009	National Conference	Leela Mohit Chivkula, Lakshmi Narayanan Subramanian,Varun Gopal K., Krishnan Namboori P. K., Deepa Gopakumar, Mathematical Model for the In-Host Dynamics of Malaria, National Symposium on Mathematical Methods and	

		Applications, December 2009	
2009	National Conference	Sathishkumar B., Sankaranarayanan A., Suresh Kumar Ayyalusamy, Premkumar P., Krishnan Namboori P. K., Mathematical Model for Estimating the Total Parasite Load in Malaria Patients, National Symposium on Mathematical Methods and Applications, December 2009	
2009	National Conference	Sathyamoorthy S., Barani Dharan M., Prinu Narayanan, Premkumar P., Krishnan Namboori, Joshi C. Haran, Mathematical Modeling of Metal Processing, National Symposium on Mathematical Methods and Applications, December 2009	
2009	National Conference	Srihari S., Shilpa S., RadhaGayathri K. U. , Krishnan Namboori P. K., Deepa Gopakumar, Controlled Drug Delivery - A Mathematical Modeling, National Symposium on Mathematical Methods and Applications, December 2009	

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Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2010	International Journal	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
		2.	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
		3.	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 1.364

		4.	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:0.55
		5	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
		6	Title of the Paper: Effect of sequence of nanoclay addition in TPU/PP blends: thermomechanical properties Authors: M.Kannan etal 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
		7	Title of the Paper: Preparation and characterization of nanoclay filled Polyurethane and Polypropylene (TPU/PP) blends. Authors: M.Kannan etal Name of the Journal: Polymer Engineering and Science. Month and Year of Publication: April,2010. Volume No. 50(9), Page No. 1878-1886.	Impact factor: 1.3 Author h index : 1.0
	International Conference (Proceedings)	1.	Title of the Paper: Thermogravimetric analysis of the co- combustion of coal and selectiveâ â industrial sludges Authors: P. Ramesh Name of the Conference: International Conference on Challenges in Biotechnology and Food Technology (ICBF 2009) Duration of the Conference: Name of the Organizer: Annamalai University Conference Venue: Chidambaram Page No: Proceedings Published By:	

	National Conference (Proceedings)	1.	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	
		2	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	
		3	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 Page No: Proceedings Published By:	
		4	Title of the Paper: Antibacterial Potential of Aqueous Extract of Coleus Amboinicus Against Selected Pathogens Authors: Geetha.P, Nithya. K, Sathiyan. 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 Page No: Proceedings Published By:	
		5	Title of the Paper: Influence of cold drawing on the properties of microfibrillar structured insitu composites from PP &PET Authors: K. Jayanarayanan, Sabu Thomas, kuruvila Joseph Name of the Conference: International conference on Advances in Polymer Technology (APT '10) Duration of the Conference: Feb 26-27,2010 Name of the Organizer: CUSAT Conference Venue: Kochi Page No: 253-256 Proceedings Published By:	
		6	Title of the Paper: Elastomer-based nanocomposites : Trends and Challenges Authors: Dr. S. S. Bhagawan and Meera Balachandran Name of the Conference: National conference on Frontiers in Polymer Nanomaterials and Composites Duration of the Conference: March 18-19, 2010 Name of the Organizer: Dept of Polymer Technology, B S Abdur Rahman University, Chennai Conference Venue: Chennai Page No: Proceedings Published By:	

Civil Engineering

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2010	International Journal	1.	Title of the Paper: Influence of Superplasticizers on the Non-Newtonian characteristics of cement paste by **C. Jayasree**, J Muralikrishnan and Ravindra Gettu, Materials and Structures Month and Year of Publication: Online November 2010	Impact factor- 0.753 (2009) Cited by 1
		2.	**K. M. Mini,** K. Subramanian (2010) 'Analysis of Infilled Frames –A Study Using Artificial Neural Network', International Journal of Design Engineering, Inderscience, Vol.3, No.1, pp.77-96.	

		3.	**K.M.Mini**, N.Narayana Pillai (2010) 'Study of Venturi Aerator using Non-dimensional Parameters', International Journal of Environmental Science and Engineering Research, Vol1(1), pp.15-22.	
			Stochastic Meshfree Method for Elasto-Plastic Damage Analysis by **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	Impact factor -1.806
		4.	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 -0.276
		5.		
	National Journal	1.	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	**Indian Journal, Impact Factor not assigned**
		2.	**Dr K M Mini,** M.G.Kaimal, Dr N Narayana Pillai (2010) 'Study of Plunging Hollow-jet Aerators using Non-dimensional Parameters" ,Vol.91, Institution of Engineers (India)- EN, pp.20-26.	**Indian Journal, Impact Factor not assigned**
			Title of the Paper: On Material Discontinuity Treatment in Element Free Galerkin Method Authors: **Arun, C. O**., Rao, B. N., Srinivasan,	
		3.	S. M. Name of the Journal: *Journal of Structural Engineering* Month and Year of Publication: 2009, Volume No. 36 Page No. 182-194	
	International Conference (Proceedings)	1.	Cement-superplasticizer compatibility and its effect on superplasticized paste and concrete Authors: **C. Jayasree** and Ravindra Gettu Name of the Conference: Asian Conference	**Conference Proceedings, Impact Factor not assigned**

			on Ecstasy in Concrete Duration of the Conference: 6-8 Dec 2010 Name of the Organizer: Indian Concrete Institute and IIT Madras Conference Venue: IIT Madras	

CSE

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2010	*International Journal*	*1.*	*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*	*
		2.	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	*
		3.	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	*
		4	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	*
		5	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) Month and Year of Publication:2010 Volume No. ISSN :2150-7988, Vol. 2 Page No. 077-086	*
		6	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	*
		7	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. Page No.	*
	International Conference	1.	Title of the Paper: Performance Prediction for Parallel Computations of Streaming	*

	(Proceedings)		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 Name of the Organizer: Conference Venue: Page No: Proceedings Published By: Accepted for the Proceedings of 12th International Conference on Computer Modeling and Simulation	
		2.	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 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	*
		3.	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 Management Science, Victoria University, Australia. Page No: Proceedings Published By:	*
		4.	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 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		5	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 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	*
		6.	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 MKCEICICT2010 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 Page No: Proceedings Published By:	*
	National Conference (Proceedings)	1.	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 Name of the Organizer: Conference Venue: Page No: 87-89 Proceedings Published By: Proceedings of the Second National Conference on Recent Trends in Communication and Signal	*

			Processing (RTCSP '10)	
		2.	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 Duration of the Conference: 2010 Name of the Organizer: Conference Venue: Networking and Computing at CIT, Coimbatore Page No: Proceedings Published By:	*
		3.	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 Name of the Organizer: Conference Venue: Networking and Computing at CIT, Coimbatore Page No: 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: Resource Management and Task Partitioning and Scheduling on a Run-Time Reconfigurable Embedded System	

			Authors: Radha Guha, Nader Bagherzadeh, Pai Chou Name of the Journal: In the journal of Computers and Electrical Engineering (Elsevier) Month and Year of Publication:2009 Volume No. Page No.	*
		2.	Title of the Paper: Applicability of Non-Rigid Medical Image Registration using Moving Least Squares Authors: Hema P Menon, Dr. K A NarayananKutty Name of the Journal: International Journal on Futuristic Computer Applications Month and Year of Publication: Digital Library,2009 Volume No. Page No.	*
		3	Title of the Paper: The Live Panoramic View creations for video images using first order statistics Authors: Baskar.A, Prabukumar.M Name of the Journal: International Journal on Intelligent Electronic Systems (IJIES-2009) Month and Year of Publication: July, 2009. Volume No. ISSN:0973-9238, Vol.3 Number 2 Page No. page no: 34	*
		4.	Title of the Paper: Bridging the Computer Science Skill gap with Free and Open Source Software Authors: V.Smrithi Rekha Name of the Conference: 2009 International Congress on Engineering Education Duration of the Conference: Name of the Organizer: Conference Venue: Page No: 77-82 Proceedings Published By: 2009	*
		5.	Title of the Paper: Content Based Medical Image Retrieval by Combinig Rotation Invariant Contourlet Features and Fourier Descriptors Authors: Hema P Menon, Arun K S Name of the Conference: International Joint Journal Conferences in Computer , Electronics and Electrical 2009 Duration of the Conference: Electronics and Electrical 2009 Name of the Organizer: Conference Venue: Page No:	*

			Proceedings Published By: 2009	
	International Conference (Proceedings)	1.	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 Name of the Organizer: Conference Venue: Page No: 436-441 Proceedings Published By: In Proceedings of IEEE CS	
		2.	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 Name of the Organizer: Conference Venue: Page No: 459-463 Proceedings Published By: In Proceedings of IEEE CS	*
		3.	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 Name of the Organizer: Conference Venue: Nabic 2009 Page No: Proceedings Published By: In Proceedings of IEEE XPLORE	*
		4.	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) Duration of the Conference: Name of the Organizer: Conference Venue: Page No: 896-901 Proceedings Published By:	
		5.	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. Name of the Organizer: Conference Venue: Page No: Proceedings Published By: Conference Proceedings (IEEE)	*
		6.	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 Name of the Organizer: Conference Venue: Library of Congress Page No: 463-468 Proceedings Published By: Conference Proceeding(IEEE)	*
		7.	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 Name of the Organizer: Conference Venue: Library of Congress Page No: 866 – 871 Proceedings Published By: (IEEE)	*

		8.	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 Name of the Organizer: Conference Venue: IIT-Delhi Page No: 470-477 Proceedings Published By: IIT-Delhi	*
		9.	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 Name of the Organizer: Conference Venue: PSG College of Technology, Coimbatore Page No: 321 - 329 Proceedings Published By: Proceedings - Narosa Publications. "Mathematical and Computational Models – Recent Trends"	*
		10	Title of the Paper: A Study on Genetic Algorithm Based Video Abstraction System Authors: C. Shunmuga Velayutham D. K. Ashwin Raju and 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 Name of the Organizer: Conference Venue: Computer Information Systems and Industrial Management Applications (CISIM 2009), Coimbatore Page No:	*

			Proceedings Published By: Proceedings of the First World Congress on Nature and Biologically Inspired Computing (NaBIC 2009) held in conjunction with 8th International Conference	
		11	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 Name of the Organizer: Conference Venue: Signal and Image Processing (ICSIP 2009), Mysore, India Page No: Proceedings Published By: : Proceedings of the International Conference	*
		12	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 Name of the Organizer: 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	*
		13	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 Name of the Organizer: Conference Venue: Page No:CD Proceedings Published By:	*
		14	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 Name of the Organizer: Conference Venue: Page No:866 - 871 Proceedings Published By: IEEE Catalog Number : CFP0995H-CDR, ISBN : 978-1-4244-5612-3, Library of Congress : 200907135)	
		15	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 Name of the Organizer: Conference Venue: Bangalore, India, ACM Digital Library Page No:4 - 7 Proceedings Published By: Proceeding of the 2nd Bangalore Annual Compute 2009 Conference	*
	National Conference (Proceedings)	1.	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 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	*
		2.	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). Duration of the Conference: 2009 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	
		3.	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 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	*
		4.	Title of the Paper: Content Based Image Retrieval for Medical Images (Cerebrum Inferact) 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 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	*

		5.	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 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	*
		6.	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 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	*
		7.	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 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	*

		8.	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 Name of the Organizer: Conference Venue: Page No: Proceedings Published By:	*
		9.	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 Name of the Organizer: Conference Venue: National Students Convention of Computer Society of India Coimbatore Centre at Kumaraguru College of Technology – Coimbatore Page No: Proceedings Published By:	*

Year	Type of Publication	Publication Details	Average citation index and impact factor of publications
2010	International journal	Fuzzy Support Vector Machine-based Multi-agent Optimal Path Defence Science Journal	0.239

Year	Type of Publication	Publication Details	Average citation index and impact

				factor of publications
2010	International Journal	1.	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	*
		2.	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	*
		3	Title of the Paper: High Speed Low Complexity Folded, Polymorphic Wavelet Architecture Using Reconfigurable Hardware. Authors: R.Lavanya, Saranya.B Name of the Journal: International Journal on Advanced Science & Technology Month and Year of Publication: May 2010 Volume No. 18 Page No. 23-30	*
		4	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 (International Journal of Artificial Intelligence and Computational Research) Month and Year of Publication: Jan 2010 Volume No. 2 Page No. 29-33	*
		5	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	*
		6	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	
		7	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	*
		8	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(IJPCSC) Month and Year of Publication: June 2010 Volume No. 2 Page No. 124-129	*
		9	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.	*
		10	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	*
		11	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.	*
		12	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	
		13	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	*
	National Journal	1.	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	*
	International Conference (Proceedings)	1.	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 Conference: Third International Conference on Micro/Nano Devices, Structures and Systems(MINDSS) Duration of the Conference: 22nd – 23rd January 2010 Name of the Organizer: Muthayammal College of Engineering Conference Venue: Muthayammal College of Engineering Page No: 75-78 Proceedings Published By: Muthayammal College of Engineering	*
		2	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	
		3	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	*
		4	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	*
		5	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	*

		6	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	*
		7	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	*
		8	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	*
		9	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	
		10	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	*
		11	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	*
		12	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	*
		13	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;	
		14	Title of the Paper: Reduction of Area in Wave Pipelined Circuits Authors: N.Kayalvizhi, Alka Raj, 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, Conference Venue: RVS College of Engineering, Page No: 25-28, Proceedings Published By: RVS College of Engineering,	*
		15	Title of the Paper: Automatic Test pattern Generator Using Hopfield Neural Network Model Authors: J.P. Anita, Anumol varkey omana, Dr.P.T Vanathi Name of the Conference: International conference on intelligent information system and management (IISM2010), Duration of the Conference: 10th -12th June 2010.Name of the Organizer: RVS College of Engineering, Conference Venue: RVS College of Engineering, Page No: 62-67, Proceedings Published By: RVS College of Engineering,	*
		16	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	*
		17	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	
		18	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. Name of the Organizer: RVS College of Engineering, Conference Venue: RVS College of Engineering, Page No: 42-47, Proceedings Published By: RVS College of Engineering,	*
		19	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;.	*
		20	Title of the Paper: Fast, high performance, low complexity, polymorphic wavelet architecture using reconfigurable hardware Authors: Saranya.B R.Lavanya, Name of the Conference: International conference on intelligent information system and management (IISM201 Duration of the Conference: June 2010. Name of the Organizer: RVS College of Engineering ; Conference Venue: RVS College of Engineering ; Page No: 32-36 Proceedings Published By: RVS College of Engineering ;	*

		21	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) 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: 9-12 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	*
	National Conference (Proceedings)	1	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) 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: 26-29 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	*
		2	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) 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: 30-32 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	*
		3	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) 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: 33-36 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		4	Title of the Paper: Simultanious 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) 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: 37-40 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	*
		5	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) 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: 43-46 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	*
		6	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) 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: 47-50 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		7	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	*
		8	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 B.Praveen Kumar. 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: 55-58 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	*
		9	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) 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: 59-62 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	*
		10	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) 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: 63-66 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		11	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) 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: 71-74 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	*
		12	Title of the Paper: Fractional Frequancy 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) 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: 64-66 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	*
		13	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) 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: 75-77 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		14	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) 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: 78-81 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	*
		15	Title of the Paper: Analysis of Post Coded OFDM Systems Authors: P.Sudheesh, S.Madhuranthagi, M.S.Karthikeyan, S.Brahadeesh, S.Karthik, N.S.Vignesh, N.Kathiresan 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: 82-86 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	*
		16	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) 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: 127-129 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	*

		17	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) 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: 130-132 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	*
		18	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) 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: 164-165 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	*
		19	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) 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: 166-169 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	*
		20	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)	*

			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: 170-173 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
		21	Title of the Paper: C0mputational BIO MEMS Analysis of Molecular Motors as Targets for Canser 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) 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: 185-188 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	*
		22	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, Nivetha.N 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: 212-214 Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	*
		23	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) 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: 227-231	*

			Proceedings Published By: Amrita School of Engineering, Amrita vishwa Vidyapeetham	
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EEE

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2009-2010	International Journal	1.	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	Not Available
		2.	Title of the Paper: DSP Based digital controller for shunt active filter to improve power quality Authors: Ginnes. K. John, Sindhu. M.R., Manjula. G. Nair Name of the Journal: Recent Trends in Electrical and Electronics Engineering Month and Year of Publication: Nov.2009 Volume No. Vol.2,No.7 Page No. 92-94	Not Available
		3.	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. Volume No. Page No.	0.43

		4.	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
		5.	Title of the Paper: Simulation of Matrix converter fed Single phase induction motor drive Authors: N.Janardhanan et al Name of the Journal: Power systems and power electronics Month and Year of Publication: June 2009 Volume No. vol 2,No.1 Page No. Pp no 1-6	Not Available
		6.	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.	Not Available
	International Conference (Proceedings)	1.	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. Name of the Organizer Conference Venue: : Hong Kong SAR, China Page No: Proceedings Published By:	*
		2.	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 Name of the Organizer Conference Venue: : Thakur College of Engineering and Technology,Mumbai Page No: pp.834-837 Proceedings Published By:	
		3.	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 Name of the Organizer Conference Venue: : Hyderabad Page No: Proceedings Published By:	*
		4.	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 Name of the Organizer Conference Venue: : College of engineering, Trivandrum Page No: Proceedings Published By:	*
		5.	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 Name of the Organizer Conference Venue: : Kochi, India Page No: pp.196-199	*

			Proceedings Published By:	
		6	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:	*
		7	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:	*

		8	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 Name of the Organizer Conference Venue: : Kottayam,Kerala Page No: Proceedings Published By:	*
		9	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 Name of the Organizer Conference Venue: Trivandrum Page No: Proceedings Published By:	*
		10	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 Name of the Organizer Conference Venue: Trivandrum Page No: Proceedings Published By:	*

		11	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 Name of the Organizer Conference Venue: Thrissur Page No: Proceedings Published By:	*
		12	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. Name of the Organizer Conference Venue: Italy Page No: Proceedings Published By:	*
		13	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 Name of the Organizer Conference Venue: Page No: Proceedings Published By:	*

	National Conference (Proceedings)	1.	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 Name of the Organizer: Conference Venue: SASTRA,Kumbakonam Page No:	*
		2.	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 Page No:	*
		3.	Title of the Paper: Soft Core Processors Authors: D.Prasanna vadana Name of the Conference: Duration of the Conference: 5/3/2010 Name of the Organizer: Conference Venue: SNS College of Technology Page No:	*
		4.	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:	
		5.	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 Name of the Organizer: Conference Venue: VIT,Vellore Page No	*
		6.	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	*

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2009	International Journal	1.	3. Prashant R.Nair, "Software Agents for Supply Chain Management", 2009 *International Journal of Decision Making in Supply Chain and Logistics*	NIL

		2.	1. Amudha J and KP Soman, "Saliency based visual tracking of vehicle", 2009 *International Journal of Recent Trends in Engineering*, Vol: 2, No:2, November 2009, pp 114-116 2. Amudha J and KP Soman, "Selective Tuning Visual Attention Model", 2009 *International Journal of Recent Trends in Engineering*, Vol: 2, No:2, November 2009, pp 117-119	**NIL** **NIL**
	National Journal	1.	Prashant R.Nair, Venkitswamy Raju and S P Anbuudayashankar, "Overview of Information Technology Tools for Supply Chain Management", CSI Communications, December, 2009, Vol 33, No: 9, pp 20-27.	**NIL**
	International Conference (Proceedings)	1 2	Bindu Jayakumar and Mary Saira Bhanu, "Group Aware Semantic Matchmaker for Grid Resource Discovery, Paper presented at the International Conference on Advances in Recent Technologies in Communication and Computing – ARTCom 2009, ACEE Network Security Group and IEEE Computational Intelligence Society, 27th and 28th October, 2009 V. Adinarayanan, Smrithi Rekha, Sneha Aswani and Anurag K, "Bridging the Computer Science skill gap through FOSS", International Congress on Engineering Education 2009, organized by IEEE section, Malaysia at Kuala Lumpur, Malaysia on 7th and 8th December, 2009	**NIL** **NIL**
	National Conference (Proceedings)	1	Arun Kumar C, Yogeshwaran R, Deepika M S, Hema A and Ankur Nair, "Interactive Web Television", National Conference on Information, Networking and Communication Technologies 2010, Dr. Mahalingam College of Engineering and Technology, Pollachi; 16 and 17 April, 2010	**NIL**

Mathematics Department

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2010	International	1.	Title of the Paper: "On Pseudo Symmetric	

	Journal		Ideas in Γ-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	No Impact factor
		2.	Title of the Paper: "Commuting Regular Γ-Semiring" Authors: **R. Arul Doss** and S. Krishnamoorth**,** Name of the Journal: International Journal of Computational and Mathematical Sciences, Month and Year of Publication:2010 Volume No.Vol. 4, No. VIII, Page No. pp. 376-378	No Impact factor
		3	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	0.035
		4	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: Statistical Papers, Springer Month and Year of Publication: September 2010 Volume No. Page No.	0.396

	National Journal	1.	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	No Impact factor *
	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	No Impact factor
		2.	Title of the Paper: Set-Valued Graphs Authors: Kumar Abhishek Name of the Conference: National Workshop on Graph Theory Applied to Chemistry Duration of the Conference: 1 – 3 Feb 2010 Name of the Organizer: CMS PALA Conference Venue: CMS Pala Page No: 121-122, Extended Abstract Proceedings Published By: CMS Pub. Pala.	*

Year	Type of Publication	Publication Details		Average citation index and impact factor of publications
2009-2010	International Journal	1.	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	**Listed in** **Scopus**
		2	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
		3	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 Month and Year of Publication: Accepted for publication in special issue of Special Issue of international journal	Listed in Scopus
		4	Title of the Paper: Studies on Bayes classifier for Condition Monitoring of Single Point	2.9

			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 Volume No. Volume 37, Issue 3 Page No. 2059-2065.	
		5	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**.
		6	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
		7	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	2.075

			Volume No: 24 Page No: 1887–1906,	
		8	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.	**Not Listed**
		9	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**
		10	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 ofAgile Systems and Management (IJASM) Month and Year of Publication: Accepted on 11/5/2010 Volume No. Page No.	**Listed in** **Scirus**
		11	Title of the Paper: A model to assess the lean capabilities of automotive companies Authors: P.G.Saleeshya, A.Dane.A, K.Vamsi	**Listed in**

			Name of the Journal: International Journal of Productivity and Quality Management (IJPQM) Month and Year of Publication: Accepted on 04-05-2010 Volume No. Page No.	**Scopus**
2009	International Journal	14	Title of the Paper: Clustering based Heuristic for Workload Balancing Problem in Enterprise Logistics Authors: Anbuudayasankar, S.P., Ganesh, K., Lenny Koh, S.C. and Mohandas, K. Name of the Journal:*International Journal of Value Chain Management* Month and Year of Publication: Volume No.3 Page No.302–315	**Listed in** **Scopus**
		15.	Title of the Paper: *COG*: Composite Genetic Algorithm with Local Search Methods to solve mixed vehicle routing problem with backhauls – Application for Public Health Care System Authors: Anbuudayasankar, S.P., Ganesh, K., Tzong-Ru Lee and Mohandas, K Name of the Journal: International Journal of Services and Operations Management Month and Year of Publication: Volume No. 5 Page No. 617-636	**Listed in** **Scopus**
	National Journal	1.	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:	**NOT LISTED**

			Volume No. VIII Page No. 6-34	
		2.	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. 7-18	**NOT LISTED**
	International Conference	1	Title of the Paper:Stability behaviour of Natural circulation systems Authors: Iyer K.N., Pradeep, K.P., Khardekar, A.V., Name of the Conference: International workshop on New Horizons in Nuclear Reactor Thermal Hydraulics and Safety , 2010	**NOT LISTED**

Science Department

Year	Type of Publication		Publication Details	Average citation index and impact factor of publications
2009	International	1	Title of the Paper: Corrosion Inhibition of Mild steel by essential oils in an HCl environment Authors: N. Poongothai, M. Natesan, S. C. Murugavel and T. Ramachandran Name of the Journal: Material Performance Month and Year of Publication: Sep 2009 Volume No: 42 Page No: 52-56	0.592
		2	Title of the Paper: *Environment friendly acid corrosion inhibition of mild steel by Ricinus communis Leaves* Authors: Saratha.R., N.Kasthuri, P.Thilagavathy	It is e-journal. This journal has no impact factor

			Name of the Journal: Der Pharma Chemica Month and Year of Publication: Dec 2009 Volume No: 1, 2 Page No: 249-257	
2010	International	1	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 E Month and Year of Publication: 2010 Volume No: 19, 10 Page No: 2033-2043	.643
		2	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
		3	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
			Title of the Paper: *Resonant states and transmission coefficient oscillations for potential*	0.292

			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:	
			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
			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
			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	It is e-journal. This journal has no impact factor

			Volume: 8, 1 Pages:	
			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
			Title of the Paper: *Bond strength of an etch and rinse adhesive to KrF excimer laser treated dentin* Authors: Eugnio.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
			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

			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.* Month and Year of Publication: *April- June 2010* Volume: 3, Issue 2 Page No: 472- 476	1.344
			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	Nil
			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	NIL
			Title of the Paper: *Development of highly sensitive non-enzymatic sensor for the selective determination of glucose and fabrication of a working model*	3.56

			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	
2009 - 2010	National Journals		NIL	

15. Honors/Awards to the faculty:

Amrita School of Arts & Sciences – Amritapuri:

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.	Balaji M.N.	Qualified in the National level Eligibility test for Mathematical Science	UGC-CSIR	June 2009
2.	Balaji M.N.	M.Phil	Cochin University	2009
3.	Br. Sivanandan, Lecturer	Best paper Award in Vedic Section	All India Conference held at Tirupathy	June 2010

Amrita School of Biotechnology – Amritapuri:

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 External Cooperation Window, India 4 EU	University of Bologna	May 2010

Amrita School of Ayurveda – Amritapuri:

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.	Lekshmi M.K. Lecturer, Kaumarabhritya Department	Gaveshaka Ratnam Award for the best P.G thesis in India	Kerala Ayurveda Pharmacy Limited	2009

Amrita School of Business – Coimbatore:

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. Sudhakar Menon Achath	17th Dewang Mehta Business School Best Teacher in Operations Management.	Dewang Mehta awards instituted in the memory of the late NASSCOM chief.	November 05, 2009

Amrita School of Dentistry – Kochi:

Name of the School	Faculty	Award
Amrita School of Dentistry	Dr. Mahija Janardhanan	Won best paper award at National conference of Forensic odentology, Chennai – April 2010
	Dr. Tina Elizabeth	Won best paper award at National conference of Forensic odentology, 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

Amrita School of Medicine – Kochi:

Dr Azhar, Fellow in Head & Neck Oncology got the best prize and gold medal for his paper on "Efficacy of Selective Neck Dissection in the Management of N1/N2 Oral Cavity Squamous Cell Carcinoma" at the The Indian Head and Neck Cancer Congress followed the CME programme at the IMA convention centre till 25th October 2009.

5-11-2009 TO 7-11-2009 : ACBICON - 2009, the National Conference of Association of Clinical Biochemsits of India
The PhD / MSc students of the Dept of Biochemistry, got maximum awards in the national competitions. Mr Sukhes Mukherjee won the Sita Devi Award for best original paper, Ms. Minu Sara Thomas won the Pitabus Jamuna Award for best reveiw paper.

Moreovr, out of the total 15 poster awards, Amrita bagged 4 awards. Poster awards were won by Mr. Narayanan MP, Ms. Mrudula and Ms. Anuja. In addition, Mr. Kannappan, MBBS student, won best poster award.

Dr Sandhya A Menon : During the National symposium on ocular infections and infection control, Dr Sandhya A Menon, Fellow in Vitreo retinal surgery has won the best paper award for her paper titled Acute Retinal Necrosis in Acute Myeloid Leukemia. We would also like to acknowledge the efforts of the team which includes Dr Gopal, Dr Natasha, Dr Tufela and the department of Ophthalmology in this success.

Dr.Ranjit Unnikrishnan : During State Orthopaedic Conferance at Palakkad, Dr Ranjith Unnikrishnan , Asst Prof in Orthopaedics has won the Prof TK Surendran memorial gold medal for his paper titled "Anterior Vs Posterior surgery in Thoracolumbar & Lumbar Adolescent Idiopathic Scoliosis: A prospective randomised Study"

Dr Jiss Joseph Panakkal, Asst Professor in Orthopaedics was a member of the team that won the first prize Kerala Ortho quiz held during the above conference.

Dr. Ajit Kumar Varma, Additional Professor, Division of Podiatric Surgery, Department of Endocrinology, Diabetes & Diabetic lower limb surgery won the Dr. S.C. Mishra oration award conducted by CSM Medical University (King George Medical College Hospital, Lucknow). He presented an oration on surgical techniques in Diabetic foot with a special focus on Reconstructive foot and ankle surgery. Details and the oration can be viewed on http://www.mediaforfreedom.com/readarticle.php?AID=16501

Dr. Sebind Kumar, Cl Asstt Prof in the Dept of Psychiatry, stood second in the South Asian Regional Symposium on Evidence Informed Healthcare and Winter Symposium at the Christian Medical College, Vellore (11th - 14th Jan, 2010). The title of the poster was "Modafinil for Clozapine induced adverse effects in people with schizophrenia and schizoaffective disorder in remission: a randomized, placebo-controlled trial stopped early for harms".

Dr Subramania Iyer : invited as a Distinguished Overseas visitor for the annual meeting of the Royal Australian College of Surgeon to be held in Perth in May 2010. He will be delivering two key note addresses in the plastic surgery and head and neck surgery sections. He is the second Indian to be accorded with the honour, till date

Dr.Sandeep Sreedharan : Awarded the Second Prize for the Essay Competition on "Tropical acute renal failure", conducted by the Indian Society of Nephrology (SC).

Dr.V.V.Pillai : Accepted the manuscript entitled ""Rigor mortis or something else?" for publication in American Journal of Forensic Medicine and Pathology, indexed international journal (impact factor 0.6)

Dr. H Sankaranarayanan and Dr. Subramanian, Interns represented Amrita School of Mediicne at the All Kerala Neurology Quiz Competition held at Calicut on 27-2-2010.

Dr Sanjeev K Singh selected as a SHEA Ambassador (Society of Healthcare Epidemiology of America) from India.The honor of Ambassadorship is conferred to 10 best professionals in infection control in the world. Four of his abstracts has been accepted for presentation in the Center for Disease Control meeting at Atlanta.

Dr Pravin Thomas, Final year DNB Trainee, Dept of Neurology has won the first prize in a National Level competition for his orginal article -Multiple Sclerosis-"Reductionism vs Holism- Striking the right balance". This article dealt with the emerging trends in the diagnosis and treatment of Multiple Sclerosis in India. He also won the best paper award at the Kerala Association of Neurologist(KAN) Mid term meet in Trissur,Dec 2009. His study -"Multiple Sclerosis in Kerala ''won the first prize and a cash award of Rs 5000.

Dr. Pravin was also a part of the four member team which represented INDIA in the World Congress of Neurology (WCN) at Bangkok, Thailand. The team achieved, 4th place among 112 participating countries in the Quiz programme" Tournament of Minds".

Dr. Pravin won the best paper award in Neurology for his presentation "Opthalmoplegic Migraine-a clinico- radiological study". He also won a cash award of Rs 10,000 and a certficate of appreciation at the annual meet of Neurological society of India (NSI), Kerala Chapter at Kozhikode, Feb 2010. In 2009 at the annual meeting of NSI, Kerala chapter, held at Trissur Dr. Pravin had won the best paper award for his paper "Neurogenic Dysphagia in acute stroke -a prognostic study". He has won this award in successive years now.

Dr. Yatheesha. B.L (DNB candidate) awarded with gold medal, by National Board of Examination for being the highest scorer in the DNB Final Examination held in December 2009.

Dr. Vinayan KP, Professor, Division of Pediatric Neurology, Department of Neurology appointed as a Member of the International Task Force for Development of Diagnostic and Management Guidelines for Epilepsies in Children by the International League Against Epilepsy(ILAE). He is the representative for the Asia - Oceania region in this body.

Dr Subramania Iyer, Professor, Dept of Plastic & Reconstructive Surgery, has been appointed in the Steering Committee of the Eurasian Oncology Programme which had its meeting in Moscow recently. He has also been invited to address and represent the programme in the UICC World Cancer Summit to be held in August in Shenzhen, China.

Dr.Saraswathy : Department of Physiology : Dr.Saraswathy and two Faculty from Department represented AIMS in "Vin Basix 2010" , National Conference on Basic Medical Sciences on 9th & 10th April 2010 at Viyanaka Missions Kirupananda Variyar Medical College & Hospitals, Salem, Tamil Nadu, India. Dr J Elizabeth , Associate Professor did poster presentation "Serum urea & creatinine in relationship with duration of diabetes & Insulin usage in type II diabetes" and also chaired a session "Everchanging brain: Cellular and molecular basis of learning & memory"
Dr Lalithambika, Assistant Professor presented a paper entitled " Correlation between anthropometric measurements and percentage body fat in adolescents "

Dr Binu Sasidharan, Fellow in Arthroplasty : Obtained the "Prof P A Alexander Memorial Gold Medal" for Best Paper award (“Analysis of Valgus angle Following Navigation (Computer Assisted surgery) Total knee Arthroplasty") at the International Knee Symposium, ARTHROCON 2010 meeting held at Calicut on 18th April 2010.

Dr Sujithra H, Asst Professor in Ophthalmology, won the “Best Video Award” during the recently concluded Delhi Ophthalmic Society conference, for the video- Amritakiranam- depicting teleophthalmic approach to diabetic retinopathy management in rural areas.

Dr Tufela, Vitreo-Retinal fellow won the best paper award for her paper “Core vitrectomy versus near total vitrectomy for post cataract surgery eye infections”.

Dr.R.Bharath, Final year DNB student of Endocrinology Department : Won the prestigious national A-V Gandhi award for the best thesis in the field of Endocrinology in India.

Dr.Aswathy, Professor ,Community Medicine : Appointed as Honorary Editor,Honorary Editorial Board of "Research and Reports in Tropical Medicine" - an international peer reviewed open access online journal published by Dove Medical Press,New Zealand.

Department of Pathology : Award winners : Pathology Conferences (IAPM Kerala Chapter meeting) held at Thrissur :

Dr Malini Eapen-An enigma or should we say Sarcoidosis (poster)

Dr Nisha chandran- Meckel Gruber syndrome-A case report (poster).

For International CME in Histopathology and Cytology held at Goa

Dr Chirag Parmar - Oral paper on "Prognostic significance of Proliferative index (Ki67) in low grade astrocytoma"

Lt.Col.Sreejith B.R. won the Best Paper award for his paper entitled ""Abdominal Aortic Aneurysms in a Tertiary Care Center - A call for early referral" during the The state chapter conference of the Association of Surgeons of India – 2010.

Dr Binoj ST bagged the Best Poster award for his Poster titled "Liver transplantation - the learning curve effect" during the The state chapter conference of the Association of Surgeons of India – 2010.

8th & 9th May, 2010 : In the Annual Conference of the Academy of Pulmonary and Critical Care Medicine (APCCM- Respicon 2010) held at Kochi, the faculty from the Department of Pulmonary Medicine bagged following achievements :
Dr Kumari Indira was the judge for the postgraduate free paper session conducted during the conference. She was also nominated as the editor in chief of "Pulmon", the official journal of the APCCM for the next couple of years.

Dr Rajesh V, Associate Professor, presented a guest lecture on the topic "evaluation of new fever in an ICU subject".

Dr Hari Lakshmanan, Assistant Professor, presented a free paper titled "a rare cause for hemoptysis" in the consultant free paper session.

Dr Asmita Mehta, Assistant Professor, Department of Medical Oncology, presented a guest lecture on "lung infection in solid organ transplant recipients" and a free paper titled "efficacy of Geftinib in advanced non small cell lung cancer", the latter of which won the second prize in the consultant free paper session.

Dr Darsana Viswam, Associate Professor, was unanimously nominated as an executive committee member of APCCM during the general body meeting.

During the 23rd Annual Conference of Kerala Plastic Surgeons Association - 2010, the Department of Plastic and Reconstructive Surgery bagged following achievements :

Dr Jimmy mathew - best paper in consultants section

Dr Sachin Chavre- best paper in post graduate paper section

Dr Biju presented a paper on --Minimal scar approach to gyenecomastia excision combined with liposuction

Dr Mohit Sharma - delivered an invited lecture in the recent advances in burn care

Dr Subramania Iyer - delivered an invited lecture on skull base surgery

Dr Sundeep Vijayaraghavan- moderated a session

Dr Nandakumar, Professor was the chairman of the scientific committee

Department of Endocrinology : Dr. Gopic Chellan, Research Officer, published an article "Spectrum and Prevalence of Fungi Infecting Deep Tissues of Lower-Limb Wounds in Patients with Type 2

Diabetes" in the Journal of Clinical Microbiology, June, 2010, Vol. 48 No: 6, page 2097-2102. He has found high prevalance (25%) of fungal infections in Diabetic foot wounds and this is the first study of its kind in the world.

9th to 12th June, 2010 : Dr.V.V.Pillay, Professor of Forensic Medicine & Chief of AIMS PCC (Poison Control Centre at AIMS) Cochin, delivered an invited lecture at the 13th International Conference on Emergency Medicine (ICEM 2010) held at Singapore from 09 to 12 June 2010 - topic "The importance of the analytical toxicology laboratory in the management of poisoning emergencies". The conference was organized by the Society for Emergency Medicine in Singapore, which is a member of the International Federation for Emergency Medicine (IFEM).

15th to 19th June, 2010 : During the International Conference of the International Federation of Head and Neck Oncology Societies held in Seoul Korea, the Head & Neck Surgery team at the Amrita School of Medicine presented 10 papers in the podium based on the work at Amrita. This was the highest number from a single institution presentation in the whole conference. Dr Nirav Trivedi, who finished his MCh from our institute, was awarded the young Investigator award for his outstanding work carried out at Amrita on pathological study of sentinel lymph nodes in oral cancers

Important activities of the Dept. of Community Medicine

Q T I Project: As part of Quit Tobacco International Project in association with Sree Chitra Tirunal Institute of Medical Science and Technology three modules on Tobacco was piloted among faculty and students in July/August.

August 2009: Participation in Regional Seminar - Strategies for combating childhood micro nutrient malnutrition in Kerala with focus on Vitamin-A attended by Dr. Aswathy, Professor & Dr. Maria Amin, Asst. Professor at Thrissur.

Visit of V.I.P - MSW faculty from University of Buffalo, New York visited the Dept. and interacted with the staff in August.

Important publication: An article titled "Mass drug administration against filariasis in India : Perceptions and practices in a rural community in Kerala" was published in the Annals of Tropical Medicine and Parasitology, September Issue, Vol: 103, No: 7, 617-624. Authors are : S. Aswathy, K. Beteena and K. Leelamoni.

Breast Feeding Week (August 1st – 7th) : Seminar on Breast Feeding by medical students, Awareness session on Breast feeding was conducted jointly by Community Medicine and Inner Wheel, Kochi conducted on 6th August for the underprivileged women. A seminar was conducted by the Food and Nutrition Board (Govt. of India) as part of World Breast Feeding Week on 7th August. Dr. K. Leelamoni Professor & HOD and Dr. Sobha George, Sr. Lecturer participated as resource persons on theme of the year and "Breastfeeding in emergencies".

The department was awarded a certificate of participation by the World Association for Breast feeding Alliance (WABA).

5 August 2009: Screening - 140 Adolescent girls of Prayaga College were screened for reproductive health problems.

12 August 2009: A seminar was conducted at ACHTC in collaboration with Krishi Vigyan Kendra on "Self employment opportunities through value addition of products" for BPL women of Njarakkal and Nayarambalam:

17& 27 August 2009: Influenza A IH1N1) - Following the outbreak of Influenza A (H1N1), the Dept. of Community Medicine was actively involved in creating awareness in the community. Two awareness sessions were carried out in Binani Zinc Ltd and Kochi Refineries by Dr. Aswathy S and Dr. Alexander,

Professor, Dept. of Community Medicine. Awareness sessions were organized in the schools in field area of Amrita Community Health Training Centre. The message regarding Swine Flu Prevention reached 1032 school students and children's groups (kuttikoottams) of Njarakkal and Nayarambalam Panchayat. Interns, Dr. Anu, Dr. Akhil and Dr. Lakshmi participated.

September 2009 – The MBBS students conducted a "Community Action Programme" on "Alcoholism" among 180 higher secondary students of Nayarambalam Panchayat, Ekm. A documentary on "Alcoholism" prepared by the students was also screened.

October 2009: First Aid and Adolescent health issues – Sensitization was conducted for 400 students of Prayaga College..

18-19 September 2009 – Blood grouping & Rh. typing was done for 367 students of Prayaga College, Nayarambalam as part of creating awareness on Blood Donation.

28 September – 4 October 2009 : World Rabies Week - : It was observed in the Dept. by conducting a poster competition and quiz among 7th Semester MBBS students. The best poster and the best quiz team were awarded certificate & prize respectively.
10 October 2009: Participation in workshop – 'Samagram' a workshop on Palliative Care was attended by Dr. Mariya Amin, Dr. Sobha George and Dr. M. Vasantha Devi.
17 October 2009: Participation in workshop – Dr. Alexander John and Dr. Mariya Amin attended a workshop by UNICEF on state of the World's Children and Mother (SOWCM) at Amala College, Thrissur.

27 October 2009: QTI Community Survey was initiated with a training programme for self help group members. Part I has been completed where the tobacco using patterns of 1111 households have been studied.

11 November 2009: Mass Drug Administration against Filariasis – Awareness on MDA was created among the whole population of AIMS campus by e-mail letters, specially designed posters, banners, badges etc. The staff and students of the Department were trained on the strategy and they functioned as supervised drug administrators by operating through 5 distribution centers in key entry points of AIMS complex. Drug was administered to 4600 persons.

21 November 2009 : In collaboration with the Quit Tobacco India International Project, a seminar on " Tobacco and Health " was conducted for the I MBBS students (2009 Batch). Dr. K. Leelamoni, Professor & HOD of Dept of Community Medicine, Dr. Kumari Indira- Professor & HOD& Dr. Rajesh, Asst. Professor of Pulmonary Medicine, Dr. M.G. K.Pillai, Professor-Internal Medicine, Dr. Anoop, Asst. Professor – Dept. of Oncology, Dr. Praveen Jayapathy – Dept. of Endocrinology and Mr.Sree Hari from Clinical Psychology talked about the impact of tobacco and health. There was also a poster competition on Tobacco and Health for the students and awards were given by Dr. Prathapan Nair, Principal of Amrita School of Medicine.

November 2009: Conducted a survey on "Evaluation on Mass Drug Administration against Filariasis" in Ernakulam district in the State Level Meeting conducted in Trivandrum. All the staff of the department and the interns carryout the survey for one week.

7-10 December 2009: Conducted an MDA Evaluation Survey in Ernakulam District, Kerala.

12-13 January 2010: QTI REVIEW MEETING: Quit Tobacco International is a joint venture of the University of Arizona, U.S, Sree Chithira Tirunal Institute of Medical Sciences, Trivandrum & Amrita Institute of Medical Sciences, Kochi. First QTI review meeting was chaired by Dr. Nichter, Professor, University of Arizona, U.S, at Achutha Menon Center for Medical Sciences, Trivandrum. Members from partner Medical Colleges in Kerala & Karnataka attended the review meeting. Dr. Sobha.G, Senior Lecturer of Community Medicine, Amrita School of Medicine, Kochi, did a presentation on QTI activities.

22-24 January 2010: IPHA CONFERENCE - Dr. Aswathy.S, Professor participated in the 54th National Conference of Indian Public Health Association held at Vishakapatanam and presented the paper titled " Cancer Cervix and Cancer Breast: Practices and Barriers to screening" and was also the Chairperson for the Poster Presentation.

10 February 2010:VISIT OF FOREIGN FACULTY: Faculty from School of social work, Buffallo University, U.S. visited the Department and had discussion with the faculty members.

17 February 2010: CME ON MOSQUITO BORNE DISEASES – CHALLENGES & OPPORTUNITIES. : Organized a CME on Mosquito Borne Diseases-Challenges and opportunities on 17th Feb 2010 at AIMS, Kochi. Delegates from Medical Colleges, Health Department, Vector Control Research Centers and AIMS participated in the CME.

24 February 2010: QTI SEMINAR ON SMOKE FREE HOUSEHOLD INITIATIVE Dr.Aswathy.S, Professor attended the seminar held at Achutha Menon Center for Medical Sciences, Trivandrum.

24 March 2010: TRAINING ON YOGA - A seminar on Yoga and spiritual health conducted at ACHTC as part of an activity of the yoga club. Six batches have undergone Yoga and about 100 people have been trained so far.

26 March 2010: STATE LEVEL WORKSHOP ON "RNTCP-RPEID CELL SINGLE WINDOW FOR REPORTING OF COMMUNICABLE DISEASES FROM MEDICAL COLLEGES": Workshop was inaugurated by Smt.P.K. Sreemathi, Health Minister of Kerala; Director of Health Services, Secretary of Health and faculty from all Medical Colleges attended the Workshop. The workshop was an initiative of the STF – RNTCP, SPEID cell, SDCMC and NRHM. Dr.Alexander John, Professor attended the workshop conducted at the State Institute of Health and Family Welfare, Thycadu, Trivandrum.

26 March 2010: AN INTERACTIVE AWARENESS SESSION WITH VRC, KALPATTA AND KARUNAGAPPALLY: Tele Medicine Dept. of AIMS organized an interactive awareness session for the public on Mosquito Borne Diseases. The sessions were handled by Dr. Leelamoni, Professor & HOD of Dept. of Community Medicine. Members of the community from Kalpatta and Karunagappally participated in the discussion.

27 March 2010: AWARENESS SESSION ON LIFESTYLE DISEASES - Primary Health Center, Cheranallore and Grama Panchayat jointly organized an awareness session on life style diseases at Community hall, Cheranallore. The sessions were taken by Dr.Alexander John, Dr. Aswathy.S and Dr.Sobha.G, faculty members of the Dept.

7 April 2010: WORLD HEALTH DAY 2010 -World Health Day 2010 focused on urbanization and health. Theme for this year is '1000 cities, 1000 lives'. Amrita Urban Health Center, Kaloor organized awareness programmes in schools and Anganwadi's to sensitize school children, adolescents and mothers on urban health issues to promote action to meet health challenges associated with urbanization. 288 participants attended these sessions.

Seminar on 'Nagaravum Arogyavum' for Anganwadi workers and members of Kudumbashree and Residents Association held at AUHC, Kaloor. Health camp 'Arogyamela' was conducted at Udaya Colony, Gandhi Nagar, Kadavanthra, 98 people attended it. AUHC will be organizing programmes relevant to Urban Health through out this year and hopes to make some impact on the health challenges of Cochin City.

28, 29 April 2010: PARTICIPATION IN WORKSHOP - Faculty members of the Dept. attended the Workshop on Research Methodology conducted at AIMS as part of Quit Tobacco International Project.
VISIT OF FOREIGN MEDICAL STUDENTS: Final year medical students, Ms. Jennifer, University of Nottingham and Ms. Sofia, University of Oxford posted in the health centers of the Dept. in the

month of April to get an insight into the functioning of health center and actively participated in various health programmes.

31 May 2010 : WORLD NO TOBACCO DAY: On the occasion of World No Tobacco Day and as a part of Quit Tobacco India Project being implemented at Amrita Institute of Medical Sciences, Kochi, a function was held at Amrita Community Health Training Center (ACHTC), Njarakkal. The programme was attended by more than 150 people, which included media persons, Panchayat Raj Institution members, community leaders, students and community members along with faculty and other staff of Dept. Dr.K.Leelamoni, Chief Coordinator QTI & Head, Dept. of Community Medicine, AIMS briefed about harmful effects of tobacco especially those to women and children and the activities of QTI. The main attraction of the day was the release of media kit to the members of leading Newspapers in Kerala by Dr. P. Pratapan Nair, Principal, Amrita School of Medicine, who requested for support from media persons and local administration in tobacco control activities.

Amrita Urban Health Center, Kaloor conducted awareness sessions for mothers, adolescents and school children as part of observance of World No Tobacco Day. Dr. Alexander John, Professor of the Dept. conducted awareness session on ill effects of tobacco at Fisheries College, Panangadu, 103 people attended it.

5 June 2010: WORLD ENVIRONMENT DAY: ACHTC, Njarakkal organized health camps and exhibition in St. Mary's U.P School as part of observance of World Environment Day.

June 2010: H1N1 AWARENESS SESSION - As part of '4-plus initiative and H1N1 awareness' staff and interns of Amrita Urban Health Center conducted education sessions in seven schools in Cochin, covering 63 teachers and 2520 students.

June 2010: Dr. Aswathy S, Professor appointed as Honorary Editor, Research and Reports in Tropical Medicine.

Involvement of the Institution in natural calamities and emergencies

Continuing with the social activities enumerated in the Annual Report 2008-09, following activities were undertaken by the School during 2009-10 :

Thekkady Boat Tragedy : The tragedy stuck Kerala on 1st October 2009 when a double-decker boat with over 80 passengers operated by the KTDC capsized. It is reported as the biggest boat accident seen by Kerala with a death toll of 45. The bodies of seven victims of the accident were brought to AIMS, Kochi on 01.10.09 by about 2.00 p.m. The department of anatomy undertook the embalming services continuously from then till the early hours of the next day. The families of the victims were given all supports and arrangements for airlifting of the bodies were also done upto their satisfaction.

Medical Camps : In the year 2009, various departments at the Amrita School of Medicine conducted 124 medical camps and screened 33,751 patients. These medical camps were conducted both in urban and rural areas for the benefit of the poor. Patients referred from these medical camps were given free treatment at the Amrita School of Medicine.

Amrita School of Pharmacy – Kochi:

Amrita School of Pharmacy became ISTE Chapter (Indian Society for Technical Education, New Delhi).

Mr. Sonal Sekhar M., Senior Lecturer became member of International Society for Pharmacoeconomics and Outcomes Research (ISPOR), NJ, USA.

Text Book Entitled "A Text Book Of Pharmacy Practice"

A new text book entitled "A Text Book of Pharmacy Practice" authored by Dr. K.G Revikumar,

Principal of Amrita School of Pharmacy and Dr. B.D. Miglani, Principal(Rtd), Delhi College of Pharmacy was released on 19th October 2009 at Amrita Institute of Medical Sciences. Dr. B. Umadathan, Prof. & HOD of Forensic Medicine, AIMS Hospital and Dr.P.K. Manna, Professor of Pharmacy, Annamalai University released the book at the international workshop on Pharmacoeconomics in Indian Healthcare , organised by Amrita School of Pharmacy, Kochi, Kerala. The book is published by Career Publications.

Text Book on "Pharmaceutical Analytical Chemistry": A new text book entitled "Pharmaceutical Analytical Chemistry" authored by S. Sathianarayanan, Faculty of Dept.of Pharmaceutical Analysis, Amrita School of Pharmacy was released on 28th June 2010 at Amrita School of Pharmacy. Dr. K.G. Revikumar, Principal, Amrita School of Pharmacy and Ms. Sabitha , Vice-principal, Amrita School of Pharmacy released the book on a small function arranged at the school. The book is published by Birla Publications.

Amrita School of Engineering – Amritapuri:

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.	Vinitha Panicker J.	MTech First Rank (Kerala University)	Dept. of CS, Kerala University	September 2009
2	Dr. Maneesha V Ramesh.	Appreciation Award	Amrita	March 2010
3	Bri. Jayaraj Poroor.	Appreciation Award	Amrita	March 2010
4	Maneesha V Ramesh.	BEST PAPER AWARD	The Third International Conference on Sensor Technologies and Applications, SENSORCOMM 2009, IEEE Digital Library, 2009	August 2009
5	Dr. Maneesha V Ramesh.	Talk on the wireless sensor network for landslide monitoring deployed by AMRITA.	Indo-US Workshop on Geospatial Information for Developing Countries: Science and Technology, at Department of Computer Science and Engineering, IIT, Bombay	16/12/09 to 18/12/09
6	Dr. Maneesha V Ramesh.	She was one of the two participants from India and will act as a single point of contact for all future projects. She also delivered a talk on the research work done at Amrita	International Workshop on "The establishment and sustenance of a network for education and research in disaster risk management in South-East Asia-Casita" held at Bangkok, Thailand.	18/12/09 to 20/12/09

7	Dr. Maneesha V Ramesh.	Chief guest at the Amrita IEEE SB AGM '10 function	IEEE students' chapter, Amritapuri campus.	27/01/10
8	Dr. Maneesha V Ramesh.	Talk on the wireless sensor network for landslide monitoring deployed by AMRITA.	IEEE HTC conference	20/02/10 to 21/02/10
9	Krishna Kumar M., Asst. Professor	Member of Organizing committee **International Symposium on Innovations in Natural Computing(INC'09),**	Conducted by the Department of Computer Applications, Cochin University of Science and Technology (CUSAT) in conjunction with World Congress in Nature and Biologically Inspired Computing (NaBIC2009)	12/10/09 & 13/10/09
10	Anish Chandran., Lecturer	Resource Person for a linux workshop	Munnar College of Engineering	Feb 2010
11	Krishna Kumar M., Asst. Professor	Resource Person for the AICTE sponsored SDP on "Software Testing & Software Quality Management Techniques"	College of Engineering, Perumon	03/11/09 to 16/11/09
12	Gopakumar., Lecturer	Topped the coding contest	Infosys, Bangalore	22/07/09 26/07/09
13	Maneesha V Ramesh.	Session Chair for ICWN 2009	----------	----------
14	Dr. P.S. Chandramohanan Nair.	1. Governing Body member and (ii) Executive Member of the Kerala State Science & Technology Museum. 2. State Council Member for Engineering Education. 3. State Council Member for Vocational Education. 4. State Committee Member for restructuring of K.G.C.E. Course. 5. State Committee Member for approval of Polytechnic and Courses in Polytechnic.	Govt. of Kerala.	2009

Amrita School of Engineering – Bengaluru:

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.	Prof. S Ravishankar.	Recognition from IEEE	Bangalore section for rendering best services during 2008-09, as IEEE student branch counsellor of ASE, Bangalore.	July 2009
2	Prof. C. G. S. Sarma.	Delivered four, weekend lectures on 'Electro – Optical sensors'	Honeywell Technology Centre, Bangalore	November 2009
3	Dr. Shikha Tripathi.	Reviewer for INDICON-09	IEEE Gujarat Section in Ahmedabad	18/12/09 to 20/12/09
4	Prof. C.G.S. Sarma.	An invitee for International Conference on "Aerospace Electronics, Communication & Instrumentation" (ASECI-2010)	V.R. Siddhartha Engineering College and P.V.P. Siddhartha Institute of Technology, Vijayawada, A.P	06/01/10 to 07/01/10
5	Dr. Shikha Tripathi.	Reviewer for i) The Journal of Systems & software, Elsevier. ii)International conference on VLSI design & communication systems(ICVLSICOM-10)	Meenakshisundarajan engineering college, Chennai,	06/01/10 to 08/01/10
6	Dr. Shikha Tripathi.	Reviewer for 'International Conference on recent advancements in Electrical Sciences (ICRAES'10')	K.S.R. College of Engineering, Tiruchengode, Tamilnadu,	08/01/10 to 09/01/10
7	Dr. P.R. Vaya.	Reviewer for 'International Conference on Recent Advancements in Electrical Sciences (ICRAES'10)'	K.S.R College of Engineering, Tiruchengode, Tamilnadu	08/01/10 to 09/01/10
8	Prof. C.G. S. Sarma.	Invited for the Annual Day Celebrations as Chief Guest of the function and he delivered the Chief Guest's address on the day	Sri Kottam Tulasi Reddy Memorial College of Engineering , Mahaboobnagar Dist., A.P.	02/04/10
9	Mr. R. Karthikeyan.	Visiting Research scholar under EURECA Exchange programme	University of Turku, Finland	1st Sep. 2009-May 2010 (9 Months)

10	Dr. Shikha Tripathi.	Biographical profile has been included in forthcoming 2010 Edition of *Who's Who in the World*	----------	----------

Amrita School of Engineering – Coimbatore:

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.	Prof. R. Subba Rao	FELLOW of Indian Plastics Institution	Indian Plastics Institution	14th June, 2010

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.	G. Jeyakumar, Asst. Professor and Dr. C. Shunmuga Velayutham, Asst. Professor	Best Paper Award under Optimization Track	*International Conference on Intelligent Agents and Multi-Agent Systems (IEEE Catalog Number: CFP0953h-DVD, ISBN: 978-1-4244-4711-4)*	22-24, July 2009
2.	Prof. P.N. Kumar, Rahul Seshadri G., Hariharan A, V.P. Mohandas, P. Balasubramanian	Best Paper Award presented a paper on "Agent based Modeling of Financial Markets"	IEEE International Conference on Computational Intelligence and Computing Research	2010
3.	Dr. N. Radhika	Post doctoral work	IITM, Chennai in the field of "Networking architecture for smart grids under wireless sensor networks domain"	Jan-June 2010

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. K.K. Sasi, Professor	Invited talk on Efficient lamps	Seminar by Energy Conservation Society, Kollam,	12 July 2009
2	Dr. K.K. Sasi, Professor	Invited talk on Sustainable Energy-The Need for Unconventional Approach	25th National Convention of Chemical Engineers, IE(I), Kochi,	9 October 2009
3	Dr. K.K. Sasi, Professor	Invited talk on Ten Points to EEE Students	Inaugural address of AEEE, Kathir College, Coimbatore	Nov 2009
4	Dr. K.K. Sasi,	Invited talk on	Workshop on Energy	21 Nov 2009

	Professor	Electrical Energy Audit	Audit for young engineers, org by Energy Conservation Society, Vidya Academy of Sc & Tech, Thrissur,	
5	Dr. K.K. Sasi, Professor	Invited talk on Small Wind Power Technologies	Renewable Energy Fortnight, Cape Institute of Technology, Levengipuram, Tamilnadu,	20 Jan 2010
6	Dr. K.K. Sasi, Professor	Invited talk on Energy and Environment Issues	Keynote address, National seminar on Energy & Environment, Karpagam Polytechnic, Coimbatore	28 Jan 2010
7	Dr. K.K. Sasi, Professor	Invited talk on 21st Century Power grid	International Conference ICCC 2010, College of Engg, Trivandrum,	18 Feb 2010
8	Dr. K.K. Sasi, Professor	Invited talk on Wind Power Technologies	One day workshop on Wind Energy, SKCET, Coimbatore,	20 Feb 2010
9	Dr. K.K. Sasi, Professor	Invited talk on Smart Grid	Govt Engg College, Barton Hill, Trivandrum,	23 Mar 2010
10	Dr. K.K. Sasi, Professor	Invited talk on Energy Conservation in Motors and drives and Global warming	Empower Energy Efficiency kerala 2010, Lions Club, Thrissur	17 April 2010
11	Dr. K.K. Sasi, Professor	Invited talk on Emerging Trends in Power System and Control	National Conference, FISAT, Angamaly	21 May 2010
12	Dr. K.K. Sasi, Professor	Invited talk on Future Electric Power grid	AICTE SDP on Future Electrical Energy Requirement and Energy Management, KKIT, Coimbatore,	9 June 2010
13	Dr. K.K. Sasi, Professor	Appreciation of contributions made in the Energy Conservation project of Lions Club	Lions International Medal, Walayar district, Kerala	15 August 2009
14	Dr. K.K. Sasi, Professor	Coordinator	SEEM-Amrita Workshop on Energy Efficiency in Building, Codes & Rating	30-31,July 2009
15	Dr. K.K. Sasi, Professor	Reviewed two papers	Elsevier journal Energy-The	September, 2009 & March 2010

			International Journal	
16	Dr. K.K. Sasi, Professor	Moderator, Technical session on *Energy Related Issues in Oil Sector*	PETROENERGY 2009, Armstrong International & SEEM, Kochi	12 September 2009
17	Dr. K.K. Sasi, Professor	Member, Executive Committee	IETE	2010-2012
18	Dr. K.K. Sasi, Professor	Examiner for PhD Thesis	University of Kerala	April 2010
19	Dr. K.K. Sasi, Professor	Kerala State Energy Conservation Commendation Certificate 2009	Kerala State Energy Conservation	14 December 2009
20	Dr. K.K. Sasi, Professor	Co-Convener	International Conf on Photochemical conversion of solar energy	30-31 March 2010
21	Dr. S.Balamurugan Assistant Professor	Invited talk on Power System Problem Solving Using PSCAD	Familiarization of PSCAD for Power Simulations Studies at Government Engineering College, Thrissur	20 January 2010
22	Dr. S.Balamurugan Assistant Professor	Invited talk on Power System Economics	Faculty development programme on Power System Management, EEE department, Amrita School of Engineering, Ettimadai	2-4 June 2010
23	Ms.K.R.M.Vijaya chandrakala Assistant Professor	Invited talk on PSCAD Applications to Power System	Familiarization of PSCAD for Power Simulations Studies at Government Engineering College, Thrissur	20 January 2010
24	Ms.K.R.M.Vijaya chandrakala Assistant Professor	Invited talk on Load Forecasting	Faculty development programme on Power System Management, EEE department, Amrita School of Engineering, Ettimadai,	2-4 June 2010
25	Dr. T B Isha	Chairman for paper presentation	Technical symposium, TECHSEM ' 09, held at Sri Krishna College of Engineering & Technology, Coimbatore	11-12 September 2009
26	Ms.M.R.Sindhu Assistant Professor	Invited talk on Load side management	Faculty Development Programme on Power system management, EEE department, Amrita School of Engineering, Ettimadai	2-4 June 2010
27	Dr.R.Jayabarathi	Invited talk on	Faculty Development	2-4 June 2010

	Assistant Professor	Power system reliability	Programme on Power system management, EEE department, Amrita School of Engineering, Ettimadai	
28	Dr. S.Balamurugan Assistant Professor	Invited talk on Power System Problem Solving Using PSCAD	Familiarization of PSCAD for Power Simulations Studies at Government Engineering College, Thrissur	20 January 2010
29	Dr. S.Balamurugan Assistant Professor	Invited talk on MATLAB/Simulink	ECE Department, Amrita School of Engineering, Ettimadai,	20 July 2010
30	Dr. S.Balamurugan Assistant Professor	Co-ordinator	Instructional Technology Amrita School of Engineering, Ettimadai	31 Nov-4 Dec 2009
31	Dr. S.Balamurugan Assistant Professor	Co-ordinator	FDP on Power system management, Amrita School of Engineering, Ettimadai	02-04 July 2010
32	Dr.T.B.Isha Professor &Dr.T.K.Sindhu Associate Professor	Co-ordinators	International Workshop on Advances in Electrical and Electronics Engineering ,Amrita School of Engineering, Ettimadai	7-11 Nov 2009
33	Dr. K.K. Sasi, Professor	Invited talk Ten Points to EEE Students	Inaugural address of AEEE, Kathir College, Coimbatore	November 2009

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.Thirumalini / Professor	Ralph R.Tector Educational Award	SAE International at Detroit,Michigan	13 April, 2010

16. Internal resources generated:

Amrita School of Arts & Sciences - Kochi
Tuition Fees received during 2009 – 10: Rs. 1,97,00,335

Amrita School of Biotechnology – Amritapuri:
Tuition Fee – Rs. 1,785,6000/-

Amrita School of Ayurveda – Amritapuri:
Fee Collection - Rs 2,76,87,800/-
Hospital and other income – 6904,945/-
Total = Rs 345,92,745/-

Amrita School of Engineering – Coimbatore:

Sl.No	Date	Name of the programme	Amount generated
1	16-08-2009	CFD Analysis Software Training for students	Rs. 70,000/-

17. Details of departments getting SAP, COSIST(ASSIST)/DST. FIST, etc. assistance/recognition: Nil

18. Community services:

Amrita School of Biotechnology – Amritapuri:

S. No.	Description of Event	Dates (MM/YY to MM/YY)	Number of participants	Outcome/Comments
1.	Social service activities in association with MAM	----------	ASBT Students	
2.	Visiting the Amrita Niketan orphanage, spending time with the children, distribute study materials, sweets & motivate the children in association with Arpan Club.	Deepavali	ASBT Students	

Amrita School of Ayurveda – Amritapuri:

S. No.	Description of Event	Dates (MM/YY to MM/YY)	Number of participants
1.	World Health Day : wall magazines: awareness to decrease CO emission	07-04-2008 to 07-04-2008	153
2.	World Environment Day : wall magazines	05-06-2008 to 05-06-2009	60
3.	World Diabetes Day : wall magazines	14-11-2008 to 14-11-2009	54
4.	World Aids Day : wall magazines, badge, news letter, fund collection	01-12-2008 to 01-12-2009	130
5.	Tobacco & Ayurvedic view – by Dravyamritam	28-06-2009	

6.	Launching of Balamritam	28-07-2009	
7.	Breast Feeding Day : wall magazines: advantages of breast feeding	01-08-2009 to 07-08-2009	
8.	Red Ribbon Express Visit	25-03-2010	180
9.	Anti Leprosy Movement : Rally at Karunagapally on Leprosy Awareness.	April 2009	
10.	Hazards of Smoking : Vivekananda H.S.S, Amrita Vidyalayam Puthiyakavu by Balamritam Project	11-09-2009	
11.	Swine Flu awareness class : at Amrita Vidyalayam, Harippad by Balamritam Project	22-09-2009	

Amrita School of Business – Coimbatore:

S.No.	Description of Event	Dates	Number of participants	Outcome/Comments
1.	Village Outreach	It is an ongoing project taken up by two faculty members of our school with the help of student volunteers.	Every weekend, a variable number of student volunteers (normally between 2 to 5) along with the faculty members spearheading the project visit the neighbouring Ettimadai village	Increased Adult literacy and tutorial support to village's school going children

Amrita School of Dentistry – Kochi:

- School dental health camps for the unprivileged children of various Govt. schools.
- Tribal dental health camps held at various places including for the tribals of Thattekkad.
- Social awareness class for the faculty and students by Mr. Vijayan Menon and formation of a volunteer group for helping the poor people.

Amrita School of Pharmacy – Kochi:

Pharmacy students also actively participate in various medical camps conducted by Amrita Hospital. The list of medical camps conducted and No. of students participated are given below:

MEDICAL CAMPS CONDUCTED IN 2009

Date	Venue	No. of students
25/07/2009	Athirapally	5 students
06/08/2009	Pongam, Angamaly	10 Students

29/8/2009	Pandit Karpan Memorial Hall, Edakochi	10 Students
28/08/2009	Chikungunya Medical camp, Kozhikode	10 students
24/09/2009	Vypeen	8 Students
24/10/2009	Piravom	20 students
07/11/2009	Thuravoor	15 students

MEDICAL CAMPS CONDUCTED IN 2010

Date	Venue	No. of students
28/03/2010	Gandhinagar, Kadavanthra	11 students
19/08/2010	Valliayapalli Auditorium, Piravom	10
04/09/2010	V.R. Puram, Chalakudy	10 students

Amrita College of Nursing – Kochi:

S. No.	Description of Event	Dates (MM/YY to MM/YY)	Number of participants	Outcome/Comments
1.	Survey	16.11.2009 to 27.11.2009	23	Fourth year B Sc Students conducted a survey to assess the health problems among rural community in 15th ward of Nayarambalam Panchayath among 345 families.
2.	Exhibition on world AIDS Day	1.12.2009	23	Fourth year B Sc Students conducted an AIDS DAY programme on 1-12-2009 in Nayarambalam Auditorium from10 am to 1 pm. Students conducted a skit on AIDS and conducted a QUIZ for the students in Nayarambalam Bhagavathy Vilasm School. An Exhibition on AIDS was also arranged.
3.	School health programme – I II III IV V VI	 4.12.2009 11.12.2009 14.12.2009 14.01.2010 19.01.2010 10.02.2010	 6 6 6 6 5 5	Conducted for standard 7, 6, 5, 4, 3 students at St Joachim's UP school on different days. Health education was given on personal hygiene, prevention of alcoholism, smoking, AIDS and balanced diet
4.	Nutritional programme – I	10.12.2009	6	The students assessed the 24 hours recall of 18 families and found high prevalence of iron deficiency. On Accordingly health education was given on balanced diet, diseases due to iron deficiency, foods enriched with iron. Demonstration of low cost iron rich foods and its nutritional value was done.

5.	Nutritional programme II III Iv V VI VII VIII	 11.12.2009 17.12.2009 18.12.2009 20.01.2010 21.01.2010 22.01.2010 27.01.2010	 5 6 6 6 6 6 5	The students assessed the 24 hours recall of 15 - 18 families and found high prevalence of calcium deficiency (repeated for different group of families on different days, covering 114 families). Accordingly health education was given for each group on different dates on balanced diet, diseases due to calcium deficiency, foods enriched with calcium and demonstration of calcium rich foods was conducted
8.	Survey in 15th ward	21.12.2009 to 29.12.2009	23	4th year BSc Students did a survey to assess the health problems among rural community in 15th ward of Nayarambalam Panchayath among 345 families in the specified area.
9.	School health programme VII	13.01.2010 to 14.01.2010	6	Conducted at Govt. Vocational higher secondary for 450 students (4th std) Health education was given on personal hygiene, prevention of alcoholism, smoking, AIDS and balanced diet.
10.	School health programme VIII	18.01.2010	6	Conducted at St Augestian's School, Kaloor for class 4 students. Health education was given on personal hygiene, prevention of alcoholism, smoking, AIDS and balanced diet.
11.	Pulse polio programme	07.02.2010	23	The students participated in pulse polio immunization programme in urban health centre, rural health centre and in the mobile clinic.
12.	Community Project	28.02.10	46	Conducted a survey in the 13th&15th wards of Nayarambalam Panchayat. As per the analysis finding it was found that lifestyle diseases are more prevalent e.g. hypertension (5.68%), diabetes mellitus (5.35%). Based on the findings Health Mela "JEEVAMRITHAM-2010" was organized to create awareness among the people in Nayarambalam on 28-02-2010 at Bhagavathi Vilasm HSS, Nayarambalam. The Health Mela comprised of health exhibition, medical camp, health play, LCD presentation and quiz competition. Medical camp consisted of teams from the departments of General Medicine, Gynecology, Ophthalmology and Dentistry. 299 people attended the camp. The number of patients who came to each OPDs were General Medicine (203), Gynecology (20), Ophthalmology (105) and Dentistry (36). After consultation some of the patients were referred to AIMS, Kochi, and some were referred to Amrita Community Health Centre, Njarakkal Panchayat. A pharmacy counter was opened adjacent to

				this camp, to provide medicines at free off cost. A telemedicine unit functioning adjacent to the medical camp provided diagnostic services like GRBS, CBC. 83 patients who attended the ophthalmic OPD were referred to AIMS for free cataract surgery.

Amrita School of Engineering – Amritapuri:

S. No.	Description of Event	Dates (MM/YY to MM/YY)	Number of participants	Outcome/Comments
1.	Karunagapally Civil Station cleaning	15/08/09	15	As a part of Amrita Sanjeevani activities
2.	Vidyamritam	07/09/09	100	Scholarship for Amrita vidyalayam students as part of Amma's Birthday celebrations
3.	Volunteers for Amma's Ponmana Ashram programme	09/09/09	150	---------
4.	Community Out-reach projects	Jan 2010 – Jun 2010	45	As part of Principles of management course
5.	*Sahavasa* Education Campu	--------	-------	To bring awareness to students and their parents about the immense possibilities available in the area of higher education today.
6	*Vidyamritam*	25/09/09 to 27/09/09	10,000 students and all faculty	Nearly 10,000 students, who came from all over Kerala, stayed at the Amritapuri campus for three days, received the *Vidyamritam* scholarship from AMMA on her birthday
7	Energy Conservation and Management	----------	----------	Awareness sessions on Energy saving
8	Blood Donation Drive	26/09/09 to 27/09/09	----------	In connection with AMMA'S Birthday celebrations/ To start AMRITA blood collectors & donors forum

Amrita School of Engineering – Coimbatore:

S. No.	Description of Event	Dates (MM/YY to MM/YY)	Number of participants	Outcome/Comments
1.	Integrated Amrita Meditation (IAM) Technique Trainers	10.10.2009 to 15.10.2009	60	--

	Camp			

NSS

S. No.	Description of Event	Dates (MM/YY to MM/YY)	Number of participants	Outcome/ Comments
1.	Blood Donation	07/10/09	2	
2.	Trekking program	21/02/10	50	
3.	NSS Special Camp	19/03/10 to 25/03/10	50	
4.	Diwali celebration	1/11/10	30	
5.	Blood Donation camp	13/11/10	150	

Department of Social Work

Conducted many health awareness campaigns for the natives of Nelliyampathi rural village with the help of NHRM, DMO, RCH, and Aravind Eye Hospital.

With the help of Amrita clinic doctors we conducted the health checkups at Ettimadai villages and ICDS centre, KG Chavadi school.

19. Faculty and officers newly recruited:

Teaching Faculty at Amrita School of Arts & Sciences - Amritapuri

S. No.	Name	Designation	Joining Date	Department & School
1.	Arun S.	Lecturer	13/07/09	English, ASAS
2.	Kavya Purushothaman	Lecturer	03/08/09	English, ASAS
3.	Dr. Sachithanandan	Adjunct Professor	01/07/09	Physics, ASAS
4.	Dr. Sreedevi K. Menon	Asst. Professor	26/07/10	Physics, ASAS
5.	Remya M.R.	Lecturer	July 2009	Mathematics, ASAS
6.	Manjusha	Lecturer	July 2009	Mathematics, ASAS
7.	Renjini S. Nair	Lecturer	19/09/09	Commerce & Management, ASAS

Senior Technical Non-teaching Staff at Amrita School of Arts & Sciences - Amritapuri

S. No.	Name	Designation	Joining Date	Department & School
1.	Abhilash	Lab Assistant	----------	Physics, ASAS

Teaching Faculty at Amrita School of Arts & Sciences - Mysore

S. No.	Name	Designation	Joining Date	Department & School
1.	Dr.Roopa M C	Lecturer /Examination Coordinator (later on redesignated as Deputy Controller of examination)	19-06-09	Exam Section
2.	Smt. Dakshayani B S	Lecturer	01-07-2009	Computer Science
3.	Smt. Drakshaveni (left in the middle and replaced by) Smt.Sowmya Lekshmi	Lecturer	01-07-2009 25-01-2010	Computer Science
4	Sri. Santosh Kumar B J	Lecturer	01-07-2009	Computer Science
5	Ms. Pallavi	Lecturer	01-07-2009	Computer Science

6	Mr. Arkesh K N	Lecturer	01-07-2009	Computer Science
7	Smt. Geetha N C	Lecturer	01-07-2009	Computer Science
8	Smt. Sowmya A N	Lecturer	01-07-2009	Computer Science
9	Smt. Vidya Avadhani	Lecturer	01-07-2009	Management & Commerce
10	Smt. Sowmya S	Lecturer	01-07-2009	Management & Commerce
11	Mr. Mohit Kanodia(left in the middle and replaced by) Mr. Sreenivas K M	Lecturer	01-07-2009 07-09-2009	Management & Commerce
12	Mr. Adwithiya M	Lecturer	07-09-2009	Computer Science
13	Mr. Pavan B P	Lecturer	01-07-2009	Languages
14	Ms. Priyanka S	Lecturer	01-07-2009	Computer Science
15	Mr.Yogeendra H C	Lecturer	11-09-2009	Computer Science
16	Ms.Suchetha N Rao	Lecturer	18-01-2010	Computer Science
17	Ms.Vidya Lekshmi	Lecturer	21-01-2010	Computer Science
18	Smt.Sowmya Lekshmi	Lecturer	21-01-2010	Computer Science

Administrative Staff (Officers Newly Recruited) at Amrita School of Arts & Sciences - Mysore

S. No.	Name	Designation	Joining Date	Department & School
1.	Smt.Jyothi Lakshmi	Accounts Assistant	21-10-2009	Accounts Section
2.	Ms. Rajalakshmi	Adminstrative Assistant	09-02-2010	Office
3	Smt. Vasundara	Examination Office Assistant	19-02-2010	Exam Section

Senior Technical Non-teaching Staff at Amrita School of Arts & Sciences - Mysore

S. No.	Name	Designation	Joining Date	Department & School
1.	Mr. Manoj V N	System Administrator	14-08-2009	Comp Science
2.	Ms. Shashikala B A	Lab Instructor	11-09-2009	Comp Science
3	Ms.Kavya Ravishankar	Lab Instructor	21-01-2010	Comp Science

Amrita School of Arts & Sciences - Mysore: With 34 teaching staff and 19 non teaching staff the school maintains an approximate ratio of - 1.8 **:** 1

Teaching Staff	Total No.	Non- teaching staff	Total No.
Full Time	29	Administrative Staff	19
Part time / contractual	5		
Total	**34**	D Group	6

Teaching Faculty at Amrita School of Arts & Sciences - Kochi

S. No.	Name	Designation	Joining Date	Department & School
1.	CV Pranannakumar	Sr. Lecturer	7-Oct-09	Computer Science and IT, ASAS Kochi

2.	Dr. M.V. Kamalakshi	Professor	7-Aug-09	Commerce and Management, ASAS Kochi
3.	G Deepa	Lecturer	1-Dec-09	Computer Science and IT, ASAS Kochi
4.	R Vidya	Lecturer	7-Jan-10	Visual Media and Communication, ASAS Kochi
5.	Rajesh M	Officer - Learning	6-Mar-10	CIR

Senior Technical Non-teaching Staff at Amrita School of Arts & Sciences - Kochi

S. No.	Name	Designation	Joining Date	Department & School
1.	Sunij S Nair	Web Developer	2-Mar-10	Visual Media and Communication, ASAS Kochi

Teaching Faculty at Amrita School of Biotechnology – Amritapuri:

S. No.	Name	Designation	Joining Date	Department & School
1.	Mr. Venkataraman	Senior Lecturer	20th July, 2010	ASBT

Administrative Officers Newly Recruited at Amrita School of Biotechnology – Amritapuri:

S. No.	Name	Designation	Joining Date	Department & School
1.	Mr. Radhakrishnan	Lab Attendent	08/09/09	ASBT
2.	Ms. Rekha	Library Assistant	26/11/09	ASBT

Senior Technical Non-teaching Staff at Amrita School of Biotechnology – Amritapuri:

S. No.	Name	Designation	Joining Date	Department & School
1.	Mr. Pandurangan	Senior Research Fellow	10/08/09	ASBT

Teaching Faculty at Amrita School of Ayurveda – Amritapuri:

SL. NO.	NAME	DESIGNATION	JOINING DATE	DEPARTMENT
1	Dr. Anusree Dileep	Lecturer	15.07.09	Swasthavritta
2	Dr. M. Mahesh Lingam	Lecturer	03.12.09	Rachana Shareeram
3	Dr. Rabinarayan Tripathy	Reader	30.12.09	Shalya Tantra
4	Dr. Arya Mohan	Lecturer	20.01.10	Prasooti Tantra & Stree Roga
5	Dr. Pavana J.	Lecturer	29.01.10	Panchakarma
6	Dr. Deepthi M.S.	Lecturer	11.02.10	Kayachikitsa
7	Dr. Unnikrishna Pillai	Professor	04.02.10	Rasashastra & Bhaishajya Kalpana
8	Dr. Amrut Kumar Chand	Professor	11.06.10	Shalya Tantra

9	Dr. Priyalatha	Lecturer	26.06.10	Dravyaguna

Technical Non-teaching Staff at Amrita School of Ayurveda – Amritapuri:

SL. NO.	NAME	DEPARTMENT	JOINING DATE	DESIGNATION
1	Valsala	Warden	15.07.09	Hostel
2	Aneesh Vargeese	Therapist	28.07.09	Panchakarma
3	Jinya K.	Kitchen Asst.	02.08.09	Kitchen
4	Renu Vijayakumar	X-Ray Technician	11.08.09	X-Ray
5	Aswathy M. A.	Nurse	20.08.09	Nursing
6	Sudha	Kitchen Asst.	01.09.09	Kitchen
7	Biny Saji	Matron	14.09.09	Nursing
8	Lijna	Lab Technician	01.10.09	Hospital Lab
9	Usha Kumari A. A.	Warden	01.10.09	Hostel
10	Dhanya A.	Kitchen Asst.	01.10.09	Kitchen
11	Sumathi	Kitchen Asst.	06.12.09	Kitchen
12	Venugopal	Driver	21.10.09	Facility
13	Sooraj P.	Facility Assistant	12.11.09	Facility
14	Thankam	Warden	16.11.09	Hostel
15	Sivaprakash	Driver	27.11.09	Facility
16	Nagini	Attender	03.12.09	Library
17	Sinu Soman	Therapist	24.12.09	Panchakarma
18	Saranya K. P.	Kitchen Asst.	24.12.09	Kitchen
19	Gineetha K. C.	Store Keeper	24.12.09	Store
20	Latha T. G.	Kitchen Asst.	26.01.10	Kitchen
21	Suresh Kumar	Therapist	08.02.10	Panchakarma
22	Dr. T. D. Bose	Physician	04.12.09	Hospital
23	Reema P. P.	Nursing Asst.	26.02.10	Nursing
24	Jinesh R.	X-Ray Technician	12.04.10	X-Ray
25	Midhun Krishnan	Therapist	12.04.10	Panchakarma
26	Soumya Mol E S.	Therapist	15.04.10	Panchakarma
27	Beena B.	Therapist	19.04.10	Panchakarma
28	Lekshmi Subhash	Nursing Asst.	19.04.10	Nursing
29	Remya V.	Therapist	13.05.10	Panchakarma
30	Aswathy S. Rajeev	Guest Room Asst.	17.05.10	Guest Room
31	Neethu M. S.	Lab Technician	19.05.10	Lab
32	Krishnan V.	Therapist	01.06.10	Panchakarma
33	Susmi S.	Nursing Asst.	01.06.10	Nursing
34	Reema P. P.	Nursing Asst.	03.06.10	Nursing
35	Manjary P. S.	Kitchen Asst.	09.06.10	Kitchen
36	Jayasree C. V.	Housekeeping Assistant	21.06.10	House keeping

Teaching Faculty at Amrita School of Business – Coimbatore:

S.No.	Name	Designation	Joining Date	Department & School
1.	Rajagopalan Srinivasan	Assistant Professor	01/07/09	ASB – Ettimadai
2.	Bhawana Jain	Faculty Associate	16/05/09	ASB - Ettimadai
3.	Dr. Raghu Iyer	Visiting Professor	20/07/09	ASB – Ettimadai

Administrative Staff (Officers Newly Recruited) at Amrita School of Business – Coimbatore:

S. No.	Name	Designation	Joining Date	Department & School
1.	R. Venkatesh	AO	29/07/09	ASB – Ettimadai

Teaching Faculty at Amrita School of Education – Mysore:

S. No.	Name	Designation	Joining Date	Department & School
1.	Sanjay C Bagadekar.	Lecturer in Education	14/12/09	Amrita School of Education
2.	Puttaswamy D.	Lecturer in Education	18/12/09	Amrita School of Education
3.	Jyothish M.	Lecturer in Education	12/07/10	Amrita School of Education

Administrative Staff at Amrita School of Education – Mysore:

S. No.	Name	Designation	Joining Date	Department & School
1.	Manoj Kumar V.	Office Assistant	18/06/10	Amrita School of Education

Amrita School of Dentistry – Kochi:

Designation	Department	Number
Asst. Professor	Periodontics	1
Reader	Oral Medicine & Radiology	1
Tutor		1
Professor	Prosthodontics	1
Tutor	Orthodontics	1
Reader	Orthodontics	1
Asst. Professor	Pedodontics	1
Tutor	Pedodontics	1
Reader	Public Health Dentistry Oral Pathology	1

Amrita School of Medicine – Kochi:

Professors – 14
Associate Professors – 10
Assistant Professors – 61
Lecturer/Tutor - 52

Amrita School of Pharmacy – Kochi:

Name of the School	Designation	Department	Number
Amrita School of Pharmacy	Senior lecturer	Pharmacy Practice	Siby Joseph, Vaiyakarai Elango
		Pharmaceutical Chemistry	Manju Prathap Leena Thomas

		Pharmacology	Mohamed Shabi Jipnomon Joseph
	Lab Attendant		Ashaletha Anchu G. Ushadevi Ghosh Nisha K. Nandan Soudhiyamol

Teaching Faculty at Amrita College of Nursing – Kochi:

Sl. No.	Name	Designation	Joining Date	Department & School
1.	Ms. Jomy Joy	Lecturer	20.07.2009	Maternity Nursing
2.	Ms. Febu Elizabeth Joy	Lecturer	07.09.2009	Mental Health Nursing
3.	Ms. Sheen Helen	Lecturer	05.09.2009	Community Health Nursing
4.	Ms. Sreeshma S	Clinical Instructor	16.11.2009	Medical Surgical Nursing
5.	Ms. Jyothilekshmi	Clinical Instructor	16.11.2009	Obstetrics and Gynecological Nursing
6.	Mr. Ajith Kumar S	Clinical Instructor	16.11.2009	Community Health Nursing
7.	Ms. Gopika V	Clinical Instructor	16.11.2009	Medical Surgical Nursing
8.	Ms. Renu Nair	Clinical Instructor	07.12. 2009	Community Health Nursing
9.	Ms. Deepa Rajan	Clinical Instructor	07.12. 2009	Medical Surgical Nursing
10.	Ms. Shilpa Naushad	Clinical Instructor	28.12.2009	Medical Surgical Nursing
11.	Ms. Mayuri Udayakumar	Clinical Instructor	28.12.2009	Medical Surgical Nursing
12.	Mr. Vimal K V	Clinical Instructor	30.01.2010	Medical Surgical Nursing
13.	Ms. Kavitha V Thampi	Clinical Instructor	30.01.2010	Medical Surgical Nursing
14.	Ms. Sara Wendy Salu	Lecturer	03.05.2010	Medical Surgical Nursing
15.	Ms. Anju Philip	Lecturer	03.05.2010	Maternity Nursing
16.	Ms. Haripriya K S	Lecturer	03.05.2010	Medical Surgical Nursing
17.	Ms. Rajani R Nair	Lecturer	03.05.2010	Medical Surgical Nursing
18.	Ms. Nayana S	Lecturer	03.05.2010	Community Health Nursing
19.	MS. Regina Anthony	Assistant Professor	17.05.2010	Medical Surgical Nursing
20.	Ms. Resmi C R	Lecturer	17.05.2010	Community Health Nursing
21.	Ms. Sibin Joy Vayalil	Assistant Professor	14.06.2010	Community Health Nursing

Administrative Staff (Officers Newly Recruited) at Amrita College of Nursing – Kochi:

S. No.	Name	Designation	Joining Date	Department & School
1.	Ms. Jasmine C S	Senior Data Entry Operator	23.06.2009	Amrita College of Nursing
2.	Ms. Priya	Junior Executive	12.06.2010	
3.	Ms. Rajalekshmi V K	Senior Administrative Assistant	13.07.2010	

Teaching Faculty at Amrita School of Engineering – Amritapuri:

Sl. No.	Name	Designation	DOJ	Department
1	Krishna Prasad	Lecturer	08/06/09	IT
2	Chinmayi R.	Asst. Prof.	02/06/10	ECE
3	Baby Sreeja S.D.	Asst. Prof.	07/06/10	ECE

4	Deepthy G.R.	Asst. Prof.	01/07/10	ECE
5	Parvathi Nair S.	Asst. Prof.	07/07/10	ECE
6	Bini B.	Asst. Prof.	09/07/10	ECE
7	Rahul Lal P.	Asst. Prof.	12/07/10	ECE
8	Sreehari K.N.	Asst. Prof.	12/07/10	ECE
9	Rajeswari P.	Asst. Prof.	14/07/10	ECE
10	Dr. Raghavendra V Kulkarni	Associate Prof.	28/12/10	ECE
11	Jayasree Narayanan	Asst. Prof.	21/06/10	CSE
12	Rahul C.S.	Asst. Prof.	07/07/10	CSE
13	Jeena J Prakash	Asst. Prof.	07/07/10	CSE
14	Divya Udayan J.	Asst. Prof.	21/07/10	CSE
15	Dr. Kanakasabapathy P.	Asst.Prof. (Sel. Gd.)	02/06/10	EEE
16	Ajay Babu	Asst. Prof.	02/06/10	EEE
17	Sreejith Kailas T.	Asst. Prof.	15/07/10	EEE
18	Ravishankar A.N.	Asst. Prof.	19/07/10	EEE
19	Sreekanth P.	Asst. Prof.	19/07/10	EEE
20	Mr. Deepak E.S.	Lecturer	16/07/09	EEE/ASE
21	Ms. Disha Dinesh	Lecturer	10/08/09	EEE/ASE
22	Ms. Smitha Krishnan.	Lecturer	07/12/09	EEE/ASE
23	Sivaselvi K.	Teaching Asst.	02/08/10	-----
24	Mr. Dhananjay Raghavan.	Asst. Professor	June 2010	ME
25	Mrs. Sivaselvi K.	Teaching Assistant	August 2010	ME
26	Anikar K.R.	Teaching Asst	June 2009	ME
27	Anoop S.	Lecturer	06/07/09	ME

Administrative Staff (Officers Newly Recruited) at Amrita School of Engineering – Amritapuri:

S. No.	Name	Designation	Joining Date	Department & School
1.	Priya K Lal.	Office Assistant	Jun 2009	CS, ASE

Senior Technical Non-teaching Staff at Amrita School of Engineering – Amritapuri:

S. No.	Name	Designation	Joining Date	Department & School
1	Mahesh Kumar P.M.	Network Administrator	09/06/10	ICTS
2	Krishnaveni.	Content Writer	14/06/10	Web Services
3	Unnikrishna Pillai P.	Tradesman	12/07/10	EEE
4	Suresh Kasturi.	Instructor	21/07/10	EEE
5	Sudarsanan K.	Tradesman	26/07/10	ME
6	Majesh T.A.	Instructor	26/07/10	ME
7	Sivarajan C.	Sr. Tradesman	26/07/10	ME
8	Rajeev T.R.	Tradesman	26/07/10	ME
9	Preethi Subramanian S.	Asst. Librarian Gd III	04/08/10	Central Library
10	Prasad M.	Asst. Librarian Gd I	19/08/10	Central Library
11	Vimal Kumar P.T.	Instructor	03/11/10	Physical Education
12	Arun Vishakh.	Asst Network Engr.	27/12/10	ICTS
13	Thrivikraman Nair.	Sr.Tradesman	01/01/10	Mechanical Engineering,ASE

Teaching Faculty at Amrita School of Engineering – Bengaluru:

S. No.	Name	Designation	Joining Date	Department & School
1.	Smt. K. Deepa	Asst. Professor (Sr. Gr.)	09/07/09	Electrical & Electronics Engg.
2.	Mrs. R. Jeyanthi.	Asst. Professor	10/07/09	Electronics & Communication Engg.
3.	Smt. Kusuma Keerthi	Asst. Professor	13/07/09	Electronics & Communication Engg.
4.	Mr. Ramaprasad H.	Asst. Professor	15/07/09	Mechanical Engg.
5.	Mr. Mahesh K Varpe	Asst. Professor	23/07/09	Mechanical Engg.
6.	Dr. Shikha Tripathi	Associate Professor	24/07/09	Electronics & Communication Engg.
7.	Dr. T.S.B. Sudarshan.	Professor, Vice-Chair, CSE	24/07/09	Computer Science & Engg.
8.	Mrs. Meera V Murthy	Faculty	19/08/09	Electronics & Communication Engg.
9.	Mr. Hemanth Kumar G.	Asst. Professor (Sr. Gr.)	10/09/09	Electronics & Communication Engg.
10.	Ms. Janaki R.	Asst. Professor	28/12/09	Mechanical Engg.
11.	Mr. R. Murali Mohan	Asst. Professor	08/01/10	Mechanical Engg.
12.	Mr. Kiran Kumar K.	Asst. Professor (Sr. Gr.)	05/03/10	Mechanical Engg.
13.	Dr. Anantha Lakshmi Narayana P.	Asst. Professor (Sr. Gr.)	08/03/10	Mathematics

Administrative Staff (Officers Newly Recruited) at Amrita School of Engineering – Bengaluru:

S. No.	Name	Designation	Joining Date	Department & School
1.	Mr. S. Maria Sabastin.	Co-ordinator	01/07/09	INDO US
2.	Smt. Asha Shyam.	Placement Officer	21/12/09	Corporate Relations
3.	Mrs. Ranjini C.S.	Deputy Manager	09/04/10	HR Department
4.	Mr. M. Shivaprakash.	Liaison Officer	01/03/10	Administration
5.	Mr. L. Sharathchandra Singh.	Manager-Corporate Relations	24/05/10	Corporate Relations

Senior Technical Non-teaching Staff at Amrita School of Engineering – Bengaluru::

S. No.	Name	Designation	Joining Date	Department & School
1.	Mr. Vinod A.K.	Skilled Technician (Plumber)	01/07/09	Administration
2.	Mr. Ratheesh P.R.	Skilled Technician (Plumber)	01/07/09	Administration
3.	Mr. Shiju Kumar.	Junior System Support Technician	01/07/09	ICTS

Teaching Faculty at at Amrita School of Engineering – Coimbatore:

S. No.	Name	Designation	Joining Date	Department & School
1.	Mr. T. Rajesh Senthil Kumar	Assistant Professor	01.07.2010	Aerospace / ASE
2.	Mr. N. Shiva Kumar	Assistant Professor	19.11.2010	Aerospace / ASE
3.	Dr. J Paranjohi Ramalingam	Chairperson	01.07.2009	Communicatio n
4.	Nair Aparna S Gopalakrishnan	Faculty Associate	15.10.2009	Communicatio n
5.	Dr. K.S. Balaraman	Distinguished Professor	July 2009	ASE-CBE, CE&MS
6.	Vineeth V. Nath	Assistant Professor	June 2010	ASE-CBE, CE&MS
7.	Amritha PP	Assistant Prof.	July 2009	CSE (deputed to cyber security centre), ASE
8.	Praveen K	Assistant Prof.	July 2009	CSE (deputed to cyber security centre), ASE
9.	Ms. D. Deepa	Teaching Assistant	14-12-2009	ECE- ASE Ettimadai
10.	Dr. A. Shanmugha Sundaram Gopinathan	Assistant Professor	12-01-2010	ECE- ASE Ettimadai
11.	Dr. Sabarimalai Manikandan	Assistant Professor	21-01-10	ECE- ASE Ettimadai
12.	Ms. Geetha Priya M.	Assistant Professor	30-06-10	ECE –ASE Etttimadai
13.	Ezhili R.	Faculty	04/01/2010	EEE and Amrita school of engineering
14.	Sangeetha G.R.	Assistant Professor	1/8/2009	EEE and Amrita school of engineering
15.	Sarath S. Nair	Assistant Professor	1/8/2009	EEE and Amrita school of engineering
16.	P. Balakrishnan	Faculty	06/01/2010	EEE and Amrita school of engineering
18.	P.C. Sandya	Assistant Professor	1/8/2009	EEE and Amrita school of engineering
19.	Maya P.	Assistant Professor	1/8/2009	EEE and Amrita School of Engineering
20.	Dr. Kumar Abhishek	Asst. Profrssor	15/07/2009	Mathematics
21.	Mr. D. Balsubramani	Lecturer	02/08/2010	Mathematics
22.	Mr. Ashwin Ganesan	Asst. Professor	09/09/2010	Mathematics

23.	Mr. P. Paramanathan	Asst. Professor	15/11/2010	Mathematics
24.	Dr. Ajith Ramesh	Assistant Professor(SG)	27.07.2009	Mech. Engg.
25.				
26.				

Administrative Staff (**Officers** Newly Recruited) : NIL

Senior Technical Non-teaching Staff at Amrita School of Engineering – Coimbatore:

S. No.	Name	Designation	Joining Date	Department & School
1.	Baladhandapani	Lab Technician		ASE-CBE, CE&MS
2.	V. Malathi	Lab Assistant	02/06/2010	EEE & Amrita School of Engineering
3.	M.Ravikumar	Lab assistant	01-09-2009	Mech. Engg, ASE,CBE
4.	R.Balaji	Lab assistant	09-010-2009	Mech. Engg, ASE,CBE

20. Teaching – Non-teaching staff ratio:

Amrita School of Arts & Sciences – Kochi: 2.19:1

Amrita School of Biotechnology – Amritapuri: 5:1

Amrita School of Ayurveda – Amritapuri: 1:3

Amrita School of Business – Coimbatore: 1.45:1

Amrita School of Education – Mysore: 9:3

Amrita School of Dentistry – Kochi: 1:0.9

Amrita School of Medicine – Kochi: 1:5

Amrita School of Pharmacy – Kochi: 28:30

Amrita College of Nursing – Kochi: 3:1 (37:12)

Amrita School of Engineering – Bengaluru: 2:1

21. Improvements in the library services:

Amrita School of Arts & Sciences - Amritapuri
® During June 2009- June2010 totally 30957 transactions were made for books circulation.

® Rs. 5 66,920/- has been paid to INDEST – AICTE consortium as subscription for accessing IEL online and ASME online journals.
® 1702 books have been added to Central Library for the value of Rs.265137/- subscribed to 265 Periodicals and its overall cost is Rs.623353/-
® Vidya Digital Library provided various collections of teaching and learning materials. Amrita Digital Library offered to access the database of IEE, Science Direct, EBSCO, INSPEC, Emerald, Cambridge Online, Institute of Physics journals, ERIC, ACM etc.,
Amrita School of Arts & Sciences - Mysore
Starting of Library weblog http://asaslibrary.wordpress.com/ for providing updates regarding various library services on 17th August 2009 on the occasion of Library Day. Started 'Amrita Library Alerts' Email alert services for the benefit of Faculty/ Staff members on 15th August 2009 Started a Free E – Book Management software collection using Calibre E-Book Management software with 163 E-Books in January 2010 Library Timings: The Library Timings have been extended since June 2009 for facilitating the better use of the library resources by the faculty/ students. Monday – Friday: 8.30 am. To 7.30 pm. Saturday: 8.30 am. To 5.30 pm. Sunday: 10 am. To 4 pm.
Amrita School of Biotechnology – Amritapuri: We have a collaborative digital library access with State University of New York (SUNY at Buffalo) which provides access to large number of journals and proceedings. However, as topics have changed the amount of books per student will be increased besides targeting the new books released by International and Indian publishers like Elsevier, Springer, OUP, CRC, Wiley, PHI, Narosa, EEE etc.
Amrita School of Medicine – Kochi: The total number of books increased from 10,958 to 11,324 Digital Library using D-space software University of Buffalo Digital Library for electronic journals and e-books Membership of DELNET MD Consult for e-journals Access to Database "PROQUEST" site is under trial.
Amrita School of Pharmacy – Kochi: 1. Circulation of books in the library is computerized. 2. Students can access online journals using Pubmed and Science Direct. 3. The journal club at the school is involved in motivating the PG students for research and publications. A review on various National & International journals is regularly conducted.

Amrita School of Ayurveda – Amritapuri:

1.	Circulation	The circulation desk provides lending services and facilities for return & renewal of books, the payment of fine (late fee) etc.
2.	Subscription	The subscription facility includes Medical journals (both Ayurvedic & Modern)and general magazines for Students, Faculty & Patients

3.	Online Services	Offers online services on e –books, digital library.
4.	Other facilities	Other than issue /renewal of books, there is a well advanced facilities including reference, back issues of medical journals, collections of Post-graduate thesis & Compilations, Question bank and Internet facility.

Name of the School	Improvements in the library services
Amrita School of Dentistry	Library timing has been extended to 10 p.m. to benefit the students. New journals have been subscribed. An online digital library started.

Amrita School of Engineering – Amritapuri:

❖ During June 2009 – June 2010 totally 30957 transactions were made for books circulation.
❖ Rs. 5,66,920/- has been paid to INDEST-AICTE consortium as subscription for accessing IEL online and ASME online journals.
❖ 1702 books have been added to Central Library for the value of Rs. 265137/- Subscribed to 265 periodicals and its overall cost is Rs. 623353/-.
❖ Vidya Digital Library provided various collections of teaching and learning materials. Amrita Digital Library offered to access the database of IEEE, Science Direct, EBSCO, INSPEC, Emerald, Cambridge online, Institute of Physics journals, ERIC , ACM, etc.,

Amrita School of Engineering – Bengaluru:

	2009-10
Circulation	Introduced Tracing Register for misplaced books
Subscription	Increased 12 Journals
Library Management	DEMO on 22nd December 2009: DEMO on Library resources to Government Polytechnic Library Science Students *Apprenticeship Trainee: Offering employment in the library for a period of one year for the library science students.
Procurement	*Conducted Book exhibition on: 22nd -24th July 2009 22nd -24th October 2009 *Visited Palace ground National Level book Exhibition along with faculty members on: 10th November 2009. * Distribution Publisher Catalogues to Faculties. *Receiving Gift Books.
Online Services	Along with IEL-Online & Springer link one more e-resources like ACM Digital Library subscribed. *Online Reservation Service *Started online information service to faculty through e-mail. *Web OPAC Service
Facilities	*General Orientation program: Newly joined students are introduced to the library services, through a general orientation program in the beginning of the academic year. Also, such presentations are given periodically for need based groups and newly joined

	faculty & staff members.

22. New books/journals subscribed and their value:

Amrita School of Arts & Sciences - Amritapuri

	2009-2010	Total Value (INR)	2009	Total Value (INR)	2008	Total Value (INR)
Number of Text Books	1474	202137	85			25,500
Number of Reference Books	170	48000				
Number of Magazines	100	101083				
Number of Journals	165	522270				
Special Collections such as Course / Study Materials for Competitive Examinations for students	58	15222				
E-Resources such as Audio / Video Resources, DVDs, CDs, etc.	200					
Others, Please Specify						
Total Cost		888490				

Amrita School of Arts & Sciences - Mysore

	2008-09	Total Value (INR)	2009-10	Total Value (INR)
Number of Text Books	2,251	8,14,722.00	1,187	4,50,863.65
Number of Reference Books	11	4,086.05	9	4,375.00
Number of Magazines				
Number of Journals	14	49,508.00/-	10	19,292.00/-
Special Collections such as Course / Study Materials for Competitive Examinations for students	-	-	-	-
E-Resources such as Audio / Video Resources, DVDs, CDs, etc.	-	-	-	-
Others, Please Specify	-	-	-	-
Total Cost	-	**868316.65/-**	-	**474530.65/-**

Amrita School of Arts & Sciences - Kochi

	2009 – 10	Total Value (INR)
Number of Text Books	170	68,000
Number of Reference Books	235	94,000
Number of Magazines	17	29,976
Number of Journals	12	20,424
Special Collections such as Course / Study Materials for Competitive Examinations for students		
E-Resources such as Audio / Video Resources, DVDs, CDs, etc.		
Others, Please Specify		
Total Cost		2,12,400

Amrita School of Biotechnology – Amritapuri:

	2010	**Total Value (INR)**	**2009**	**Total Value (INR)**	**2008**	**Total Value (INR)**
Number of Text Books	115	84160.25	89	143228.53	2429	840278.62
Number of Reference Books	75	215510.36	53	92956.05	332	793750.85
Number of Magazines	3	1969.00	2	949.00	1	699.00
Number of Journals	15	26500.00	13	32000.00	8	13500.0
Special Collections such as Course / Study Materials for Competitive Examinations for students	21	12112.00	3	760.00	23	15855.00
E-Resources such as Audio / Video Resources, DVDs, CDs, etc.	89					
Others, Please Specify						
Total Cost		340251.61		269893.58		1664083.47

Amrita School of Ayurveda – Amritapuri:

	2010	Total Value (INR)	2009	Total Value (INR)
Number of Text Books	466	577960	291	58758
Number of Reference Books	49	38310	52	36339
Number of Magazines	15	3961	15	3961
Number of Journals	29	11320	28	9620
Special Collections such as Course / Study Materials for Competitive Examinations for students				
E-Resources such as Audio / Video Resources, DVDs, CDs, etc.	25		25	
Others, Please Specify	e-books		e-books	

Total Cost		631551		108678

Amrita School of Business – Coimbatore:

	2009	Total Value (INR)
Number of Text Books	825	148801
Number of Reference Books	58	184177
Number of Magazines	66	58280
Number of Journals	122	166127
Special Collections such as Course / Study Materials for Competitive Examinations for students	-	-
E-Resources such as Audio / Video Resources, DVDs, CDs, etc.	161	1929
Others, Please Specify		
e-Journals	5094	391939
Databases	4	151686
Total Cost	6330	1102939

Amrita School of Education – Mysore:

	2010	**Total Value (INR)**	**2009**	**Total Value (INR)**
Number of Text Books	89	12174.00	93	12032.00
Number of Reference Books	10	1500.00	16	1645.00
Number of Magazines	0		0	0
Number of Journals	1	500.00	0	0
Special Collections such as Course / Study Materials for Competitive Examinations for students				
E-Resources such as Audio / Video Resources, DVDs, CDs, etc.	0	0	19	3030.00
Others, Please Specify		-	-	-
Total Cost	**100**	**14174.00**	**128**	**16835.00**

Amrita School of Dentistry – Kochi:

Name of the School	**Indian Books and Journals**		**Foreign Books and Journals**		**Total**	
	No. of Journals	**Value of Journals**	**No. of Journals**	**Value of Journals**	**No. of Journals**	**Value of Journals**
Amrita School of Dentistry	9	Rs. 12,000/-	27	Rs. 4.5 lakhs	36	Rs. 4.62 lakh

Amrita School of Medicine – Kochi:

	Till 2008	2009	Total
Books	10958	11324	366
Indian Journals	82	95	13
International Journals	169	158	0
Value : Approx Rs.25 lakhs			

Amrita School of Pharmacy – Kochi:

43 New Indian Books & Journals added

14 Foreign Books & Journals added

Amrita College of Nursing – Kochi:

	2010	Total Value (INR)	2009	Total Value (INR)	2008	Total Value (INR)
Number of Text Books	14	16,469.30/-*	316	342,615.62/-	213	395,649.09/-
Number of Reference Books	123					
Number of Magazines	6	2,040/-	6	2,040/-	6	2,040/-
Number of Journals						
Special Collections such as Course / Study Materials for Competitive Examinations for students	68		66		66	
E-Resources such as Audio / Video Resources, DVDs, CDs, etc.	1		40		31	
Others, Please Specify						
Total Cost		119,218.09/-		443,764.41/-		496,797.98/-

Amrita School of Engineering – Amritapuri:

Particulars	Subject area	Total Value (INR)
	Engineering, Science, Humanities, Commerce, Management, General	
Number of Text Books	1474	202137
Number of Reference Books	170	48000
Number of Magazines (print+online)	100	101083
Number of Journals (print+online)	165	522270
Special Collections such as Course / Study Materials for Competitive Examinations for students	58	15000
E-Resources such as Audio / Video Resources, DVDs, CDs, etc.	200	-
Others, Please Specify Delnet online	-	-
Total Cost		888490

Amrita School of Engineering – Bengaluru:

	2009-10	Total Value (INR)	2008-09	Total Value (INR)
Number of Text Books	2809	Rs.6,33,550/	3537	Rs.5,08,017/-
Number of Reference Books	727	Rs.2,21,224/-	853	Rs.1,61,452/-
Number of Magazines	60	Rs.32,966-00	47	Rs.22,922/-
Number of Journals	113	Rs.1,31,080/-	118	Rs.1,40,530/-
Special Collections such as Course / Study Materials for Competitive Examinations for students	Placement Materials Received from Different companies, GATE Books available, PROJECT REPORTS	--	*Placement Materials Received from Different companies, GATE Books availabl, PROJECT REPORTS AVAILABLE	---

	AVAILABLE			
E-Resources such as Audio / Video Resources, DVDs, CDs, etc.	Magazine Cd's & Book Cd's	--	Magazine Cd's & Book Cd's	--
Others, Please Specify	IEL-Online ;Springer link; ACM Digital Library & ASME e-resources subscribed.	Rs.11,28,590/-	IEL-Online; Springer link;	5,95,010/
Total Cost		Rs.2147410-00		Rs.832921-00

Amrita School of Engineering – Coimbatore:

ASCOM

	2009	Total Value (INR)	2008	Total Value (INR)		
Number of Text Books	171	79,668.96	296	89,530.10		
Number of Reference Books	13	37,437.60	19	50,790.01		
Number of Magazines						
Number of Journals						
Special Collections such as Course / Study Materials for Competitive Examinations for students	9	13,997.10	12	16,326.11		
E-Resources such as Audio / Video Resources, DVDs, CDs, etc.						
Others, Please Specify						
Total Cost		1,31,103.66		1,56,646.22		

CSE

	2010	Total Value (INR)	2009	Total Value (INR)
Number of Text Books	200	71,508	178	63,476
Number of Reference Books	699	1,41,570	662	1,32,420
Number of Magazines	50		28	
Number of Journals	108		72	
Special Collections such as Course / Study Materials for Competitive Examinations for students	19		17	
E-Resources such as Audio / Video Resources, DVDs, CDs, etc.	348		282	

Others, Please Specify	-		-	
Total Cost		2,13,078		1,95,896

Cyber Security

	2010	Total Value (INR)	2009	Total Value (INR)	2008	Total Value (INR)
Number of Text Books	**470**	-	**434**	-	**358**	-
Number of Reference Books						
Number of Magazines						
Number of Journals						

ECE

	2009	Total Value (INR)
Number of Text Books	667	
Number of Reference Books	10	
Number of Magazines		
Number of Journals	2	
Special Collections such as Course / Study Materials for Competitive Examinations for students	30	
E-Resources such as Audio / Video Resources, DVDs, CDs, etc.	10	
Others, Please Specify	-	
Total Cost		104410

EEE

	2010	Total Value (INR)	2009	Total Value (INR)	2008	Total Value (INR)
Number of Text Books	681	26	660	21		

English Department

	2010	Total Value (INR)	2009	Total Value (INR)
Number of Text Books			14	3639.60
Number of Reference Books				
Number of Magazines				
Number of Journals				
Special Collections such as Course / Study Materials for Competitive Examinations for students				
E-Resources such as Audio / Video Resources, DVDs, CDs, etc.				
Others, Please Specify				
Total Cost				3639.60

IT Department

	2010	Total Value (INR)	2009	Total Value (INR)
Number of Text Books	10	2964	29	11588
Number of Reference Books				
Number of Magazines	5	-	5	-
Number of Journals	4	-	4	-
Special Collections such as Course / Study Materials for Competitive Examinations for students				
E-Resources such as Audio / Video Resources, DVDs, CDs, etc.	80	-	70	-
Others, Please Specify				
Total Cost		2964		11588

Science Department

	2010	Total Value (INR)	2009	Total Value (INR)	2008	Total Value (INR)
Number of Text Books	128	22500/-	68	6005/-	60	4075/-
Number of Reference Books	296	35000/-	40	8912/-	30	5705/-

23. Courses in which student assessment of teachers is introduced and the action taken on student feedback:

As a policy Amrita University has implemented student assessment of teachers for all courses across the semesters. The department head separately counsels the teachers and closely monitors their improvement during the subsequent semesters.

Amrita School of Arts & Sciences - Amritapuri

S. No.	School	Department	Course Name	Semester &Year	Action on Feedback
1.	Engineering	English	HU151 Communicative English	S1 B.Tech. 2009	Good Feedback and hence satisfactory
2.	Engineering	English	HU200 Technical Communication	S3 B.Tech., 2009	Good Feedback and hence satisfactory
3	Engineering	English	HU210 Professional Communication	S2 B.Tech., 2010	Good Feedback and hence satisfactory
4	Engineering	English	HU220 Business Communication	S4 B.Tech., 2010	Good Feedback and hence satisfactory
5	Engineering	English	HU222 Proficiency in German Language(Lower)	S2 B.Tech., 2010	Good Feedback and hence

					satisfactory
6	Engineering	English	HU223 Proficiency in German Language(Higher)	S4 B.Tech., 2010	Good Feedback and hence satisfactory
7	Engineering	English	HU 224 Proficiency in Japanese Language(Lower)	S2 B.Tech., 2010	Good Feedback and hence satisfactory
8	Engineering	English	HU 225 Proficiency in Japanese Language (Higher)	S4 B.Tech., 2010	Good Feedback and hence satisfactory
9	Engineering	English	HU 226 Proficiency in French Language(Lower)	S2 B.Tech., 2010	Good Feedback and hence satisfactory
10	Engineering	English	HU 227 Proficiency in French Language (Higher)	S4 B.Tech., 2010	Good Feedback and hence satisfactory
11	Engineering	English	HU 232 Introduction in India Studies	S2 B.Tech., 2010	Good Feedback and hence satisfactory
12	Engineering	English	HU 235 Glimpses of Indian Polity and Economy -1	S2 B.Tech., 2010	Good Feedback and hence satisfactory
13	Engineering	English	HU 233 Glimpses of Eternal India	S4 B.Tech., 2010	Good Feedback and hence satisfactory
14	Arts and Sciences	English	HU121 Communicative English	S1 Int M.Sc. 2009	Good Feedback and hence satisfactory
15	Arts and Sciences	English	HU 122 Professional Communication	S2 Int M.Sc. 2009	Good Feedback and hence satisfactory
16	Arts and Sciences	English	ENG 101 Functional Communication	S1 BBM, B.Com.	Good Feedback

				2009	and hence satisfactory
17	Arts and Sciences	English	HU 281 English for Professional Communication	S1 MCA, 2009	Good Feedback and hence satisfactory
18	Arts and Sciences	English	ENG 123 English for Science	S4 Int M.Sc. 2010	Good Feedback and hence satisfactory
19	Arts and Sciences	English	ENG 101 Communicative English	S2 B.Sc. 2009	Good Feedback and hence satisfactory
20	Arts and Sciences	English	Eng 102 Professional Communication	S2 B.Sc. 2010	Good Feedback and hence satisfactory

Amrita School of Arts & Sciences - Mysore

S. No.	School	Department	Course Name	Semester &Year	Action on Feedback
1.	Amrita School of Arts and Sciences	Comp Science	MCA	All Classes	Strengths of the teachers Communicated and counseled wherever improvement required
2.		Comp Science	M.Sc.		
3		Comp Science	BCA		
4		Management	BBM		

Amrita School of Arts & Sciences - Kochi

S. No.	School	Department	Course Name	Semester &Year	Action on Feedback
1.	ASAS, Kochi	Computer Science and IT	All courses of BCA M. Sc. (IT) and MCA Programmes	2009 – 10	The results of analysis would be discussed with faculty members concerned and used for improvement purpose
2.	ASAS, Kochi	Commerce and Management	All courses of B. Com. and M. Com. Programmes	2009 – 10	
3.	ASAS, Kochi	Visual Media and Communication	All courses of B. Sc. (Visual Media) and MFA Programmes	2009 – 10	

Amrita School of Biotechnology – Amritapuri:

S. No.	School	Department	Course Name	Semester &Year	Action on Feedback
1.	Amrita School of Biotechnology	Biotechnology	All the courses are assessed at the end of the semester		Joint review of student feedback between the faculty

					and Dean

Amrita School of Business – Coimbatore:

Every course taught at our school is 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.

Amrita School of Education – Mysore:

S. No.	School	Department	Course Name	Semester &Year	Action on Feedback
1.	Amrita School of Education	Education	All the courses	2009	Staff after analyzing the feedback given by the students and their own introspection have planned for measures of improvement

Amrita School of Dentistry – Kochi:

Name of the School	Assessment Process	Action on Feedback
Amrita School of Dentistry	Feedback from students	The result was discussed with the concerned HODs and suitable actions were taken.

Amrita School of Medicine – Kochi:

A feedback form/Questionnaire is collected from the outgoing students with regard to their experience during their study at the Amrita School of Medicine. These forms were evaluated and necessary steps were taken to solve the problems, if any.

Name of the School	Assessment Process	Action on Feedback
Amrita School of Pharmacy	There is a teacher evaluation form for all the courses and the student evaluation forms are collected from the students and remedial measures are taken.	Teachers are allowed to attend teachers training programme to improve teaching learning process. Modern teaching aids are used to make teaching more interactive.

Amrita College of Nursing – Kochi:

Sl. No.	School	Department	Course Name	Semester &Year	Action on Feedback
1.	Amrita College of Nursing		B. Sc Nursing	All Four Years	Implemented more student centred teaching learning method both in the clinical area and in the class room; bought new advanced mannequins for the practice of advanced nursing procedures; placed order for three new LCD projectors.
2			M. Sc Nursing	I Year	Allotted more time for Research activities during the clinical practice.

Amrita School of Engineering – Amritapuri:

S. No.	School	Department	Course Name	Semester &Year	Action on Feedback

1	Amrita School of Engineering	ECE	Online Feedback will be taken for all the courses at the end of every semester.		Faculty are counseled and sent for FDP in other colleges, Extra support from experience faculty
2		ECE	Class committee meetings are conducted per month to get the regular feedback from students.		Some faculty who are not audible to students were asked to use microphone while lecturing.
3		CSA	All courses		Class committee conducted periodically
4		CSA	All courses		Extra classes 3rd internals etc

Each faculty member was evaluated by students through online faculty feedback assessment program on each semester. Based on these, Teachers Evaluation Index (TEI) score is generated, and it is intimated to each faculty member by the head of the department. In the self appraisal form, TEI score is given with significant weight age. Also based on these feedback and TEI score, corrective measures are taken in the department level.
Regular class committee meetings are conducted in each semester with student representatives, staff members in the presence of chair person. In this , various suggestions regarding the course plan, teaching methods, evaluation methods and performance of the students are discussed and the remedial measures are taken.

24. Unit cost of education:

a. $Unit\ \cos t = \frac{\text{Total annual budget for the school}}{\text{Number of students enrolled}}$ Rs. _____

b. Unit cost calculated excluding salary component Rs. _____

25. Computerization of administration

Amrita School of Arts & Sciences - Amritapuri

All wings of ASAS administration are computerized. AUMS is a comprehensive administrative software application which caters to the entire gamut of administrative activities of the School.

Amrita School of Arts & Sciences - Kochi

Administration procedure is done with help of MS Office package.

Amrita School of Biotechnology – Amritapuri:

School of Biotechnology started implementation of AUMS in June 2006. The main need that the School felt in starting to implement the system was to smoothen the academic process and to be able to track student academic progress more efficiently

- **Accounts:**
- **Students Reports**
- **Examinations**

⇒ **Administration**
⇒ **Library**

1. Monitor the academic progress of a student
2. Record daily attendance
3. Provide a repository for lecture materials
4. Enable timely and smooth publishing of results
5. Provide automation for library management, etc.

Both student tuition fees and hostel fees are collected and statements prepared using this module. There is a separate module to deal with hostel fees and the various split ups in hostel buildings etc. This module is integrated with the Hostel module and Student details module and enables in easy report generation of pending fine etc. Issuing of Transfer Certificate and Bona-fide Certificated through AUMS.

Ph.D database and research scholar's details were added to Ph.D module in AUMS. Started using AUMS for course registration, examination, grade sheet generation, etc.

Amrita School of Business – Coimbatore:
All the records of the students' marks, grades, attendance, etc., are kept on Excel database.

Amrita School of Dentistry – Kochi:
All are computerized. Admissions are based on all India Entrance examination conducted by the

University. Results are published within 15 days

Amrita School of Medicine – Kochi:
Administration : Administrative activities including accounts are computerized.

Admission : OARS – Online Application Registration System –
Through this system, candidates can apply, "online" for the All India Medical Entrance examination conducted by the University. Hall Tickets can also be accessed by the candidates "online" . All admitted students details can be accessed throughout the campus by the authorized officers.

Examination : Through AUMS (Amrita University Management System) attendance report and internal assessment reports are fully computerized. Examination Results are published in the School website: www.amrita.edu. Presently, the institution is actively involved in developing a system by which the parents can access their ward's progress in the examination.

Issue of certificates and the mark list by the University is also fully computerized.

Amrita School of Pharmacy – Kochi:
We have started computerization of all academic activities like students registration, student's attendance, entering sessional marks and conducting online exams and issue of Transfer certificate through AmritaVidya, University Management system.

Amrita College of Nursing – Kochi:

a. Amrita Institutions have an institutional website through which the public can get information about various campuses and courses offered.
b. Amrita College of Nursing has intranet access.
c. The admission process, entrance examination, and the results are computerized.
d. Computerized the details regarding admission and personal data of the students.
e. Is in the process of computerizing class schedule, attendance, marks and all the academic matters relating to the students through Amrita University Management System (AUMS).
f. Currently in the process of changing the Internet provider to UBUNTU.

26. Admission process & details including computerization

Amrita School of Arts & Sciences - Amritapuri

Admission process is also computerized / computer-assisted. Web - enabled application has been introduced. Applicants are provided with access to the admission process anywhere, at any time.

Details of the Conduct of examination and publication of result

At Amrita, we follow choice – based credit system. The internal assessments play an important role, as far as the future of the student is concerned. Minimum number of credits required for the awards of the degree is spread over six semesters for all undergraduate programmes under **Amrita School of Arts & Sciences.**

For every course, there is a class committee consisting of the teachers handling different courses in that class and student representative of that class. The committee will meet in the beginning of the semester and decide on weightage for each component that constitutes the total mark. Normally, there are four components for every course: 20%for the first internal, 20% for the second internal, 20%for the assignment and tutorial which is also called the continuous assessment and 40% for the end semester examination. In short, 60% for the internal evaluation and 40% for the end semester. Every course has certain number of credits, depending upon the hours taught per week. Normally, 4 contact hours for a 4- credit course. There will be approximately 80 working day, in a semester and first internal will be conducted at end of the 25th working day, the second internal at the end of the 50th working day and the end semester will be conducted at the end of the semester, on a common time table across all the campuses, determined by the Head Quarters

At the end of every internal, the marks are entered into AUMS (Amrita University Management System) and once the marks are entered and saved, it is automatically locked and an individual teacher cannot change the marks entered. At the end of the semester, before the end semester examination, the department will publish the internal marks obtained by each student for each course. Also the department will notify the attendance of each student and those who have less than 80% attendance will not be permitted to write the end exam and such students will be given FA grade. In the subsequent semesters, such students have to attend classes and regain 80% attendance for writing the exam.

After the end semester examination, the papers will be valued centrally in a Centralized Valuation camp and the teacher will complete the valuation within one week of the completion of the examination. The marks will be presented in a class committee and final grades will be decided in this meeting. The marks will be entered in the AUMS and a computer print out, signed and approved by the class committee will be submitted to the exam office. On receipt of this, The Deputy Controller of Examination publishes the result in the internet and student and parents can view the result. The students can see their answer book if they so desire and any grievances can be sorted out. Also there is a provision for revaluation of the answer books.

There will be supplementary examination within one month of the publication of the result for those who failed or those who were absent for genuine reasons. After the semester examinations, the grade sheets will be issued to the students indicating the courses registered, and the grades obtained with their grade points and SGPA as well as CGPA.

The grade sheets are prepared through AUMS.
Grades and grade points are calculated by AUMS.
Seating arrangements for the examination is prepared on excel software.
Cross checking the result with the hard copy is done manually.

Remedial Measures

There are lots of remedial measures provided under this system to clear the backlog of a Student.

1. Vacation redo Course: The 50 days of vacation is divided into two slots of 25 days each and during each slot, a students can register 2 arrears and a total of 4 arrears can be cleared during vacation May/June.

2. Those that get more than 40% internals can clear their arrears by re- appearance during the Subsequent examinations.

3. Contact Course: Final year students who are left with any two arrears clear these arrears through contact courses

4. Re-evaluation: Students who completed a course twice and still failed are permitted to write the examinations without attending the classes.

Amrita School of Arts & Sciences - Kochi

Admission procedure is done with help of Excel database.

Amrita School of Biotechnology – Amritapuri

- Selection will be made on the basis of marks in the qualifying examination and personal interview in the case of undergraduate programmes.
- An additional entrance exam will be conducted for post graduate programmes.
- Subject to change, to comply with the guidelines from UGC/Other authorities.
- Government guidelines for the candidates who are included under special categories.

The student details and database is directly uploaded to AUMS including their photos. Faculty members are able to access the students report with their personal details and contact information.

Amrita School of Business – Coimbatore:

The process starts from the moment the application received from the candidate. The relevant data is captured in an excel sheet. Short listing of the candidate for PI (Personal Interview) process is done based on the admission eligibility criterion. Interview call letters are sent out to the candidates by email and also by physical post/courier. PI process is held in 11 cities across India. On the date of PI candidates credentials are checked along with their originals and certified. PI process consists of presentation to the students about ASB by Chairperson Admissions or Dean of ASB. This is followed by essay writing on any one of the topics given. During the PI process the candidate is asked to speak on any topic given by the panel.

Selected candidates are informed through the mail and on website and the offer letters are sent out to the candidates to make the fee payment.

The entire process and data is captured and maintained in Excel.

Amrita College of Nursing – Kochi:

The details of the students are entered in AUMS, registration numbers assigned. There are plans to include other advanced procedures regarding the attendance, marks etc.

27. Examination results and issue of certificates, with details including computerization:

Amrita School of Arts & Sciences - Amritapuri

- Examination / Evaluation data are all recorded on the computer.
- Results are also published on the School website.

- The process of preparing the certificates is computer assisted though not fully automated yet.

Amrita School of Arts & Sciences - Kochi

1	Results Declaration	Microsoft Office Excel
2	Semester Grade Sheets	2009 onwards AUMS.
3	Progress Reports	Marks of First Periodical, Second Periodical & Internal Assessment Marks published then and there in the website accessible to the students and their parents.

28. Increase in the infrastructural facilities:

Amrita School of Arts & Sciences - Amritapuri

Details of medical facility

'Amrita Dispensary' works inside the campus round the clock providing medical service to the students, staff and villagers. Three doctors and eight nursing staff are on duty. The dispensary has ten beds for the in-patients. Basic medical care, pharmacy with adequate medicines, facilities like ECG Machine, Nebulizer, Oxygen cylinders, Defibrillator, ECG monitor & Pulse Oxymeter and first aid are provided in the health care unit. Cases which require immediate hospitalization and special medical attention are referred to the nearby well known hospitals. Two ambulances are readily available in the clinic for emergency.

Details of transport facility available for students and staff

8 buses are being operated for transporting the day scholar students and staff members from Kollam city and nearby areas by charging nominal rates and the details of bus users are furnished below.

Sl. No	Route	Students		Staff Members		Total
		Male	Female	Male	Female	
1	Harippad - Karuvatta	29	74	12	5	120
2	Kollam - Karicode	43	71	23	19	156
3	Thiruvalla	74	44	3	18	139
4	Bharanikavu	2	14	3	14	33

Details of Provision of backup power supply:

100% back-up power supply which ensures power supply to the campus almost on a 24 hour 365 day basis. To cope with the requirements of constant power supply, there are 3 generators with 250KVA ratings, two with 125KVA rating and one with 110 KVA rating.

Power consumption and Generator Capacity:

- Total number of back up Generators – 6 Nos.
- Total Capacity – 1110 KVA
- The average monthly power consumption is 165000 KWH

Other Facilities

Potable Water Supply	Y	Backup Electric Supply	Y	Barrier free Environment	Y	CCTV Security	Y
Electric Supply	Y	General Insurance	Y	All Weather Approach	Y	ERP Software	Y

Institution Web Site	Y	Insurance for Students	Y	Group Insurance	Y	First Aid	Y
Notice Boards	Y	PA System	Y	Medical & Counseling	Y	Sewage Disposal System	Y
Post & Banking/ATM	Y	Projectors in Classrooms	Y	Safety Provisions	Y	Vehicle Parking	Y
Staff Quarters	Y	Telephone & FAX	Y	Transport Facility	Y		

Amrita School of Arts & Sciences - Mysore

Additional furniture including chairs, desks, tables, filing cabinets, cupboards, dining tables, notice boards etc. , were procured as per the requirement.

Necessary alterations and modifications were made in the present building to cater to the immediate requirements. A dedicated team on the campus takes care of these works as and when needed. In addition whenever any major work has to be taken up Amrita team takes up the responsibility.

The area that was earlier used for chemistry lab has been converted into a classroom of the dimension of 94.8 sqm. The top two floors – second and third - of the building, that were hitherto used as the hostel block, are now occupied for academic purpose. A temporary make shift arrangement is made for the hostel accommodation purpose on the top floor of the building. Consequently an additional 5 more class rooms and 2 staff room, a colloquium hall with a total area of 415.45 sqm has been added to the existing Academic block. Two additional staff rooms and one HoD cabin were set up.

A Public Address system was arranged to make the prayer and other common announcements centralized.

An RO purifier with a capacity of 250 liters/hr was installed in the campus in order to ensure pure drinking water for students and staff on the campus.

A new car was purchased to cater to the transportation needs in connection with the official work. A new Bus was purchased in order to provide transportation facility to the students.

Amrita School of Arts & Sciences - Kochi

Sl. No.	Items	
1	Transport facilities	2 College Bus

Amrita School of Biotechnology – Amritapuri:

- **Civil infrastructure:** A fully equipped Bio Chemistry laboratory for the academic purpose and Phytochemistry lab for research, have been set up.

Amrita School of Ayurveda – Amritapuri:

New buildings constructed: Girls Hostel
Started date of Construction: May 2009
Proposed date of Completion: November 2010

Details of the Girls' Hostel buildings:

Total Carpet area	Total Built up area	No. of floors	No. of rooms
3786.60 sq.mt	4729.50 sq.mt	Ground + 3 floors	88

Amrita School of Dentistry – Kochi:

Name of the School	Increase in the infrastructural facilities
Amrita School of Dentistry	All the seven departments were upgraded with

	most modern equipments in excess of the DCI requirements.

Amrita School of Medicine – Kochi:

Construction of additional Hostel Facility for the students who will be joining for the new courses and Guest Houses for the patients and bystanders is in the advanced stage of completion.

July, 2009. A Retail outlet for selling products made by Amrita Ayurvedic Pharmacy opened opposite to AIMS Main Gate. Medicines are available as prescribed in the Ayurvedic texts and by using the plants grown in the Amrita Herbal Gardens at Vallickavu, in its own manufacturing unit set up in the Ayurvedic College premises, under expert guidance of Professors and skilled technicians of the Ayurvedic College.

Department of Ophthalmology: Started following two new clinics by Vitreo Retinal Services, from 24-05-2010.

(i) Retinal Infections and Immunology Clinic : Annexe Ophthalmology OPD (Mon to Thu 09:00 am to 12:00noon)This clinic will cater to patients with systemic infections suffering from eye manifestations as well as immunological disorders involving the eye like SLE, Rheumatoid arthritis etc. Located close to medicine and infectious diseases OP in the Annexe, the clinic will be easily accessible by the patients there and entire evaluation of the eye including refraction, slit lamp examination, indirect ophthalmoscopy and fundus photography will be available.

(ii) Pediatric Retina Clinic
Ophthalmology OPD (Tower 1, Floor-0) (Mon, Wed and Fri 2:00pm to04:30pm)
This clinic will cater to comprehensive examination of pediatric patients including refraction, eye examination and fundus examination. Examination of retinal abnormalities associated with neurological diseases, genetic diseases, other pediatric fundus abnormalities and retinopathy of prematurity (ROP) screening will be done in this clinic. The clinic is held in the after noon to minimize the waiting time for our pediatric patients.

Department of Neurology : As a part of the SLEEP AWARENESS WEEK , started dedicated SLEEP CLINICS on the first Saturday and third Friday of each month.These clinics will attend to people with complaints of Insomnia, Excessive day time sleepiness, Parasomnias,Sleep apneas ,Complex sleep related breathing disorders and other sleep disorders associated with systemic illness and degenerative disorders. These dedicated sleep clinics have a holistic approach with help from allied departments like Pulmonolgy,ENT, Psychiatry and Clinical Psycholgy, Cardiology, Endocrinology, Head and Neck Surgery , Gastroenterology, Gasrtro surgery and internal medicine.

Extended Services : For the benefit of visitors and staff working in night shifts, the service of the Fast Food Canteen made available round the clock (24 hrs) from 14th June 2010.

For the benefit of the staff, patients and visitors, KSRTC introduced new bus service to and fro to AIMS effect from April, 2010

Amrita College of Nursing – Kochi:

- A multipurpose hall with seating capacity of 300 students is being constructed in the fourth floor.
- Administrative sanction has been obtained to extend the library space into the first floor.

Amrita School of Engineering – Amritapuri:

Two labs have been newly setup.

1. Microwave Lab

2. Microprocessors and Microcontrollers Lab

Computer Aided Engineering Laboratory inaugrated on 22-02-2011

Amrita School of Engineering – Coimbatore:
CE & MS Department

Three new equipments commissioned in Heat transfer Lab
Mechanical Operations Lab
Mass transfer Lab – 240 m^2
Reaction Engineering Lab – 240 m^2

29. Technology upgradation:

Amrita School of Arts & Sciences - Amritapuri

1	LX Mini Gbic	8	25/5/2010
2	Summit X350- 24t- HP 48t – 16202	2	25/5/2010
3	HP Procure Switch 1700 – 24T, HP 48 Port Switch etc		4/5/2010
4	Macpro-Quad- Core Machine	1	17/12/2010
5	Door, Windows, Flooring Etc for Server room		11/11/2010
6	Dell 1210S Projector	5	16/9/2010
7	Suprema Biostation BSM OC with inbuilt Mifire Reader	7	14/8/2010
8	42LG 80FR LCD	5	2/7/2010
9	RH033, 133,253 RH Linux	150	31/3/2010
10	AL- E5400 Dell latitude E5400	8	21/1/2010
11	Dell AC 380 n DTV Dell tm Optiplus Desktop	20	22/1/2010
12	Dell AC 380 n DTV Dell tm Optiplus Desktop	40	22/1/2010
13	App- Proj 15 Dell 1209S Projector	15	30/7/2009
14	Ruckus Wireless controller	5	3/8/2009
15	LG LCD 42”	2	28/7/2009
16	AO 360n Dell Optiplus TM 360 n Series	20	22/6/2009
17	AO 360n Dell Optiplus TM 360 n Series	50	22/6/2001
18	AO 360n Dell Optiplus TM 360 n Series	50	23/6/2009
19	Summit X 450a – 48t – 16157 and accessories	1	30/11/2009
20	Cat 6 cable, connectors, Rack etc		30/10/2009
21	IBM Server X3650	2	29/6/2009

Amrita School of Arts & Sciences - Mysore

Two new computer labs in addition to the existing three laboratories allow the students to get enough hands on experience in both software and hardware. Currently there are 196 systems in the computer labs. 36 systems in one of the labs is exclusively used for CISCO Networking classes.

Library augmentations like procuring new books/ more copies, subscribing to additional journals and magazines are done on recommendation by the respective Heads of the department. All the members of the faculty are privileged to give their suggestions regarding library augmentation. The improvement in terms of addition of new books and journals is as shown in item no. 22.

The members of the staff are appointed as per the requirement presented by the Principal / Heads of the departments based on the envisaged workload for the ensuing semester, or the office requirement. During the current year 12 teaching staff and 6 non teaching staff were appointed in addition to the existing number. It was possible to monitor the students individually with a healthy faculty student ratio of 1: 16.

Amrita School of Biotechnology – Amritapuri:

A fully equipped Bio Chemistry laboratory for the academic purpose and Phytochemistry lab for research has been set up.

Name of Equipment	*Year of Purchase*
LB 940"MITHRAS HTS II " Multimode Reader	2009
Auto injecter valve 7 way Duo flow	2009
Nuaire DHD AutoFlow, Automatic CO2 incubator DHD with Decon Cycle –WET and HOT	2009
Olympus Trinocular Phase Contrast Microscope Model -CKX-41 Trinocular	2009
Synergy HT Multi detection Microplate	2009
Shimadzu Fourier Transform Infra Red	2010

Amrita School of Ayurveda – Amritapuri:

Date	Main Head	CH.NO	Company	COST
20-Jul-09	Hard Disk	Ch.No.494324	Sigchi Trading Company,EKM	1925
25-Jul-09	Students chairs	Ch.No.495083	VIP Industries-chairs	25502
19-Aug-09	Test Tubes & Diluting fluid	Ch.No.495160	C.P. Biomed (P) Ltd.	5771
19-Aug-09	External Carrying 5.55T & Hard Disk	Ch.No.495161	Sigchi Trading Company,EKM	6902
19-Aug-09	External Carrying 5.55T & Hard Disk	Ch.No.495161	International Marketing Co.	7439
28-Aug-09	Sims speculam, Utrine sound etc.	Ch.No.495167	Thrissur Surgicals	2569
28-Aug-09	Morton & Piston etc.	Ch.No.495167	Kerala Surgicals Equipment & co.	1115
11-Sep-09	512MB DDR 2-HYNIX	Ch.No.495336	International Marketing Co.	2081
11-Sep-	Tool & Cleaning Kit	Ch.No.495336	Suraaj Comp.	289

09				
11-Nov-09	Vessels	Ch.No.495860	Fancy Vessel	24634
11-Nov-09	Vessels	Ch.No.495856	Western Plastics	3783
11-Nov-09	Surgical Items	Ch.No.495857	Trichur Surgicals	14739
29-Jan-10	Sports Items	Ch.No.672710	Modern Sports Industries	18223
24-Feb-10	Cadavers	Ch.No.672919	AIMS, Ernakulam	44400
29-Mar-10	Football Items	Ch.No.673094	Modern Sports Industries	7532
29-Mar-10	Life Cylce of Culex	Ch.No.673094	Young Brothers	6898
29-Mar-10	New Telephones	Ch.No.673096	Amicus communications	10400
30-Mar-10	Surgical Items	Ch.No.673100	Kerala Surgicals Equipment & Co.	71805
7-Jun-10	Lancets,lamp,detto; etc	Ch.No.705333	Kerala Surgical Equipments Pvt.Ltd.	728
11-Jun-10	Cooker,Pan,Lid,vessels etc.	Ch.No.705336	Fancy Vessels	1737
14-Jun-10	Printer-3050-fuser fixing	Ch.No.705338	Maha Electronics Pvt.Ltd	6919
16-Jun-10	Mouse,Keypad,cable tester etc.	Ch.No.705342	Compumobiles	6890
16-Jun-10	2 DELL comps,	Ch.No.705343	Dell India Pvt. Ltd.	46000

Amrita School of Dentistry – Kochi:

Name of the School	Technology up gradation
Amrita School of Dentistry	1. Installed a digital OPG machine. 2. Intra oral microscope (first time in Kerala)

Amrita School of Medicine – Kochi:

July, 2009: A new electrolyte machine installed in 6(1) OT – ICU complex oing to huge demand and better therapeutic turn around time.

26-10-2009: Launch of AIMS intranet site (:- http://aimswebinfo) constitution information among other things,

1. News
2. Events
3. Entertainments
4. Employees rights
5. ISO forms etc.

AIMS Intranet: The Scientific American, one of the oldest and longest running continuously published magazines in the United States, made available in AIMS Intranet. It is a popular science magazine that primarily focuses on areas such as medicine, technology, energy, the environment, and business. The remarkable efforts of world-renowned scientists and Nobel laureates are

dynamically presented in this magazine. The editions are available in three segments - (i) Scientific American, (ii) Scientific American Mind, and (iii) Scientific American Special Issues.

Amrita School of Pharmacy – Kochi:
E-learning classes are conducted regularly for M.Pharm students.

Amrita College of Nursing – Kochi:

- Two new advance nursing care mannequins worth Rs. 2.5 lakhs and one tracheostomy care simulator worth Rs. 48,000 has been procured for the Preclinical Lab
- One new computer has been obtained in November 2009
- Student data and other academic matters are updated in AUMS (Amrita University Management System)
- The systems are upgraded with UBUNTU"

Amrita School of Engineering – Amritapuri:

S. No.	Name of Lab and Course	Name of the tools	Monetary Support and amount	Provision of Software/ Hardware	Outcome
1.	VLSI Design Lab	Digital ASIC Design Package (Synopsys)	AMRITA (6.5 Lakhs)	21	(Under Graduate, Graduate and Research projects
2.	Analog VLSI Design Lab	Analog and Digital Custom IC Design (Cadence)	AMRITA (6.75 lakhs)	26	Graduate Thesis and Research
3.	System Design using FPGA's	Xilinx ISE 13.4, plan ahead, System Generator	(AMRITA) 3.5 Lakhs	Three Spartan 3E FPGA kits	U G/P G/ Research lab experiments/Research projects

Purchased **ALGOR software at a cost of Rs 2, 47, 000 for 198 licences**
Purchased **SOLID WORKS software at a cost of Rs 3, 00, 000 for 30 licences**
Purchased **Bentely Software at a cost of Rs 2, 00, 000, unlimited licence**
Purchased **LATHES – Bought 6 lathes at a cost of Rs 16, 00, 000**

Amrita School of Engineering – Coimbatore:
ASCOM
A digital multi-camera television news and interview studio has been established. The studio has been designed to support the university's undergraduate and post-graduate programmes in mass communication. Its programme control gallery is equipped with state-of-the-art special effects vision mixer, sound booth for voice recording, audio console, high-end digital video recorder for live audio-video inserts and online monitoring facilities. The floor area has an installed news presentation and interviewing facility with four Sony cameras on dolly mounts to ensure a variety of camera positions. Advanced microphones with optional directionality have also been installed. The studio is expected to give students confidence to enter the industry in the area of multi-camera production.

Course	Programme	Department	Laboratory Name	Lab/Major Equipments (Rs. 1 Lakh and above)	Laboratory Investment (in Rs.)
PhD	PhD	CE&MS	Materials Research – ISRO project	Yerzley Oscillograph (Rs. 1,67,911)	**Rs. 3,13,709/-**
PhD	PhD	CE&MS	Materials	5KW Induction	**Rs.**

			Research - DRDO Project	Heater And Accessories (K Type Thermocouple) (Rs. 7,35,000/-) Custom Built CVD Gas Handling System And Its Accessories (Rs. 3,00,000/-) Thermo Nicolet FT-IR Optical Spectrometer (Rs. 10,00,000/-)	**23,37,435**
B.Tech	Chemical Engineering	CE&MS	Mechanical Operations	--	**Rs. 2,34,312/-**
B.Tech	Chemical Engineering	CE&MS	Mass Transfer	--	**Rs. 3,68,000/-**
B.Tech	Chemical Engineering	CE&MS	Reaction Engineering	--	**Rs. 2,64,000/-**
B.Tech	Chemical Engineering	CE&MS	Heat Transfer Lab		**Rs. 1,65,300**

CSE

Course	Programme	Department	Laboratory Name	Lab Area in Sq.mt.	Lab/Major Equipments (Rs. 1 lakh and above)	Laboratory Investment (in Rs.)
B.Tech	CSE	CSE	PC Hardware Lab	56.49 Sq.m	11 PCs (2 PCs - not working), Solder Iron - 4 Nos., Hard Disk Drive (not working)- 10 Nos., Mother Board (not working) - 12 Nos.	PCs - Rs.300000/- Accessories - Rs.100000/- Infrastructure - Rs.200000/-
B.Tech M.Tech	CSE CVIP	CSE	CSE Research Lab	47.01 Sq.m	2 High end HP Workstation.	Rs.200000/-

30. Computer and internet access and training to teachers and students:

Amrita School of Arts & Sciences - Amritapuri

All teaching staff have been provided with individual desktop. Internet Access is provided as per the Internet Security Policy of the University which is being implemented by the ICTS department.

Computer Access:

S. No.	Lab	Number of Computers	Number of Computers with internet Access	Lab Hours	Access Level: Students/Faculty/All
1.	Computer for Teachers	6	6		Full Time
2.	Department	8	8		All

Computer Training (Non-curricular): NIL

Amrita School of Arts & Sciences - Mysore

Computer Access:

S. No.	Lab	Number of Computers	Number of Computers with internet Access	Lab Hours	Access Level: Students/Faculty/All
1.	1	36	6	9-00 am to 8-00 pm	Students and faculty
2.	2	36	-	9-00 am to 8-00 pm	students

Computer Training (Non-curricular):

S. No.	Name of Training Session	Number of Participants	Duration	Target Audience (Students/Faculty)	Date(s) (DD/MM/YY to DD/MM/YY)
1.	Workshop	125	3 hrs	students	13th Jan 2010

Talks are occasionally arranged to update the technical awareness, such as follows:

A Talk by Mr. Vinayak Hegde Lecturer, Computer Science, *Web 2.0 Services for Teaching and Learning* on 03-07-2009
A Talk by Mr. Chetan Hegde, Librarian, on Library Networks, 17-08-2009
A Talk by Mrs. Geeta N C., Lecturer, Computer Science, on *Cloud Computing* on 26-08-2009
A Talk by Mrs. Kanchana, Lecturer, Computer Science, on *Introduction to Distributed Data Base System* on 09-09-2009
A Talk by Ms.Pallavi, Lecturer, Computer Science, on *MAYA* on 16-09-2009
A Talk by Mr. Prashanth D S., Lecturer, Computer Science, on Software testing on 01-10-2009
A Talk by Mrs Radha Sudarshan, HOD, Dept. of Computer Science, on *Virtual Reality* on 14-10-09

Amrita School of Arts & Sciences - Kochi

S. No.	Lab	Number of Computers	Number of Computers with internet Access	Lab Hours	Access Level: Students/Faculty/All
1.	Main Lab	25	12	9:30 – 4:30	All
2.	MCA Lab	30		9:30 – 4:30	All
3.	Lab – 2			9:30 – 4:30	All

Amrita School of Business – Coimbatore:

S. No.	Lab	Number of Computers	Number of Computers with internet Access	Lab Hours	Access Level: Students/Faculty/All
1.	ASB HUB	15	14	08:00 to 10:30	ALL

Amrita School of Education – Mysore:

S. No.	Lab	Number of Computers	Number of Computers with internet Access	Lab Hours	Access Level: Students/Faculty/All
1.	Lab	14	14	Six hrs per week	For all

Amrita School of Medicine – Kochi:

As all the administration, finance, academic and patients services are computerized, regular training sessions are conducted for all the staff, faculty and students. Doctors and staff working in the hospital are provided special training in Hospital Information System (HIS) immediately after joining the institution. As mentioned in this report regarding infrastructure development, special emphasis is given for IT training.

Amrita School of Pharmacy

1. Computer facilities with internet access is provided to faculties and students.
2. Teachers are given training in e learning. They are given training to conduct online exams and deliver lecture online.

Amrita College of Nursing – Kochi:

Computer Access:

S. No.	Lab	Number of Computers	Number of Computers with internet Access	Lab Hours	Access Level: Students/Faculty/All
1.	Computer lab	10	10	8am to 5 pm	All
2.	Conference Room	02	-	8am to 5 pm	Faculty Only
3.	Library	03	03	9 am to 12 midnight	1 – Faculty 2- Students
4.	Classrooms	06	-	8 am to 5 pm	All

Computer Training (Non-curricular):

S. No.	Name of Training Session	Number of Participants	Duration	Target Audience (Students/Faculty)	Date(s) (DD/MM/YY to DD/MM/YY)
1.	Computer application	50	45 Hrs	First year B Sc Nursing students	12.12.09 to 12. 04.10
2.	SPSS package	17	8 Hrs	Post Graduate Students	08.03 2010 & 09 .03 2010
3	Computer application	17	17 Hrs	PG Students	Sep 2010

Amrita School of Engineering – Amritapuri:

Computer Access:

S. No.	Lab	Number of Computers	Number of Computers with internet Access	Lab Hours	Access Level: Students/Faculty/All
1.	Power system lab	36	1	Fulltime	All
2.	Control and	6	1	Fulltime	All

	Instrumentation				
3.	Robotics Lab	4	1	Fulltime	All

Computer Training (Non-curricular):

S. No.	Name of Training Session	Number of Participants	Duration	Target Audience (Students/Faculty)	Date(s) (DD/MM/YY to DD/MM/YY)
1	Introduction to AUMS	15	3 hours	Faculty	05/07/10

Amrita School of Engineering – Coimbatore:

ECE

S. No.	Lab	Number of Computers	Number of Computers with internet Access	Lab Hours	Access Level: Students/Faculty/All
1.	Microwave Lab	15	1	9AM – 5 PM	All
2.	Microprocessor Lab				

31. Financial support to students:

S. No.	Name of Awardee	Program, Department, & School	Award Criteria	Duration	Amount (Rounded-off to nearest 100 Rs)	Date of Award
1.	Lekshmy V.S.	M.Sc. Microbiology	Entrance Performance and academic records	2 years	Rs. 60,000	----------

S. No.	Name of Awardee	Program, Department, & School	Award Criteria	Duration	Amount (Rounded-off to nearest 100 Rs)	Date of Award
1.	Nevin.	MTECH in VLSI, Dept of ECE	Teaching Assistantship based on their performance	6 months	6000	2010 july
2.	Vineeth Sarma.	MTech in VLSI, Dept of ECE	Teaching Assistantship based on their performance	6 months	6000	2010 july

32. Support from the Alumni Association and its Activities:

The first batch of our integrated M.Sc. & PG Programme will be graduating in 2011 and there are proposals to form an Alumni Association by the Students body which are under active consideration

Amrita School of Arts & Sciences - Amritapuri

S. No.	Name of Alumni	Award / Recognition (Details)	Awarding Organization	Brief Highlights
1.	Vikas Hegde	Scholarship for higher education	University of Trento, Italy	He joined the University of Trento, Italy for MS

		under Erasmus Munds Programme		programme in Spectroscopy leading to research.

Amrita School of Arts & Sciences - Kochi

S. No.	Name of Alumni	Award / Recognition (Details)	Awarding Organization	Brief Highlights
1.	S.R. Anuj	National Film Council Award 2011 for Best Short Film		"ID – Darker Side" was produced as part of his final project
2.	P.T. Ravisankar	Second Best Short Film at the Kerala Children's Festival held at Kollam in 2010		Palice was produced as part of Campus Project

This year, the alumni association called **"Amritians"** was initiated.
The association has started a website www.amritians.net wherein all the activities of the association are provided.

Amrita School of Pharmacy – Kochi:

- Alumni Association have been formed with faculty and students representatives and first Alumni meet was conducted on May 23rd , 2010.
- The meet was attended by 2005 batch that graduated in year 2009 and 2006 batch who are about to graduate in 2010.
- Many of them shared their experiences and accomplishments in professional lives.
- Alumni members meet regularly once in
- two months.

Amrita School of Engineering – Amritapuri:

S. No.	Name of Alumni	Award / Recognition (Details)	Awarding Organization	Brief Highlights
1.	Shibesh Datta. Sivaramakrishnan	Junior Research Fellowship at IIT Bombay	IIT Bombay	
2.	Venkatkrishnan Subramanian	Research school for MS abroad	University of Cincinnatti	Got 85% Scholarship
3.	Gautham Papouri	Research school for MS abroad	University of Southern California, LA	
4.	Nived Krishnan	Research school for MS abroad	University of Dallas, Texas	
5.	Parathasarathy	Research school for MS abroad	Concordia University, Canada	Got full scholarship
6.	Mithun Muralidharan	Research school for MS abroad	University of Cincinnatti	Got 85% Scholarship
7.	Rahul Srikumar	Research school for MS abroad	University of Cincinnatti	Got 85% Scholarship
8.	Arunkumar Mahadevan	Research school for MS abroad	University of Cincinnatti	Got 85% Scholarship

Amrita School of Engineering – Coimbatore:

S. No.	Name of Alumni	Award / Recognition (Details)	Awarding Organization	Brief Highlights
1.	D. Vaitheesh Kumaran	Lime Light Quarterly Award	Cognizant Technology Solutions	
2.	Karthika G.R.	Awarded "feather in my cap" twice.	Wipro technologies	

	C. Rajasundar	2 year WILLPower Erasmus Mundus Scholarship	Erasmus Mundus External Cooperation Window	

Alumni Joined for PG Programme/Doctoral Programme/Higher Studies in other Indian Universities & International Universities in the year 2010

S. No	NAME	Education Programme done in Amrita	PG Course	Name of University/Institute/ College	Specialization	Current Position/Achievements
1	Manu Iyer (02CS050)	B.E CSE 2002-06	Global M BA	SP Jain Center of Management	IT Management (with additional specialization in Finance)	Senior BDM for the ASEAN Region at MindTree, based out of Singapore.
2	Om Koteswara Rao Gutti	BTech CSE 2003-2007	MBA	Hult International Business School,Boston	General MBA	*
3	Narendrakumar BM	BTech CSE 2003-2007	MS	University of HULL	Games Programming	Flash Games Developer
4	Yogeshwar Kumar	BTech CSE 2003-2007	MBA	Narsee Monjee Institute of Management Studies , Mumbai	*	President, SummIT (the Information Technology cell/student body at college)
5	Rahul Seshadri.G	B.Tech,CSE. 2006-2010.	MBA(PGDM-Post Graduate Diploma in Management)	Institute of Management Technology, Ghaziabad	Marketing.	*
6	Pavan Tej Medapuram	B.Tech 2006-2010	MS	University of Illinois at Chicago	Data Mining	Graduate Research Assistant at the University
7	Vibushan Lakshminarayanan	B.Tech 2004-2008	MS	The University of Melbourne	Information Systems	: Student at The University of Melbourne
8	Prithiviraj K M	B.Tech 2004 - 2008	MS	Polytechnic University of Catalonia, Barcelona, Spain	Visualization, Virtual Reality and	Pursuing my Masters/ Research Intern at the Virtual Reality Center o

					Graphical Interaction	f Barcelona.
9	Aravind Palanisami	B.TECH 2004 - 2008	MS	Oregon State University	CSE(Software Engineering)	*
10	Ajith Ganesan	B.Tech	MS in CSE	Technical University, Eindhoven	Data Mining	Secured complete scholarship including living expenses and also a job after studies.
11	Arjunkumar K K	B-Tech 2005-2009	MS	San Jose State University	Software Engineering	*
12	Anirudh K B	B.Tech 2006-2010	MS	North Carolina State University, Raleigh, NC , USA	Computer Science/ Networks	*
13	Satish Kumaar P	B.Tech 2004 - 2008	MS	University of Texas at Dallas	Intelligent Systems	*
14	Saravanan.V.K	B.Tech 2003 - 2007	MBA	Bharathidasan Institute of Management, Trichy	Finance & Operations	*
15	Kavitha	B.Tech 2003-2007	MBA	Amrita School of Business, Coimbatore	Marketing	3 years of experience at HCL-CiscoODC

Alumni Joined for PG Programme/Doctoral Programme/Higher Studies in other Indian Universities & International Universities in the year 2009

S.No	NAME	Education Programme done in Amrita	PG Course	Name of University/Institute/College	Specialization	Current Position/Achievements
1	Ravi Jhawar	B.Tech (2005-2009)	Master of Science	University College London (UCL)	Information Security	PhD (Doctoral) student at the Information Technology Department, University of Milano, Italy.

2	Premchand Nutakki	B.Tech 2004-2008	MSc	Dresden University of Technology , Vienna University of Technology	Computational Logic	part time in SAP
3	Anusha Ramanan	B.Tech 2004 - 2008	MSc	Lancaster University of Management	E-Business and Innovation.	*
4	Jairam Chandar	B.Tech 2003-2007	MS	University of Edinburgh	Computer Systems and Software Engineering	*
5	Eakan Gopalakrishnan	B.Tech 2003-2007	MS	University of Southampton, United Kingdom	Web Technologies Software Agents, Web, Game Theory.	Software Engineer at Factset Europe Limited, London
6	Aarthi Lakshmi Narayanan	B.Tech 2002-2006	MS	North Carolina State University	Computer Science - Software Engineering	Between 2006 and 2009, I worked for one of the huge MNCs in India.
7	Zishan Fahim	B. Tech 2003-2007	MBA	NITIE, Mumbai Top 3 in batch	IT Management	Joining Cognizant Business Consulting as an Associate Consultant in June

Alumni Achievements

1. Name: Vibushan Lakshminarayanan
   Programme : B.tech Computer Science & Engineering
   Batch: 2004-08
   Higher studies:
   University: The University of Melbourne
   Course: Masters
   Admission year: 2010, July.
   Specialization: Information Systems

   Current position: Student at The University of Melbourne

   Achievements:
   - Winner of the ICT Geelong Innovation Test (Information & Communication Technology), a state-wide (Victoria, Australia) Business and Technology pitch for proposing real-time translation from English to Sign Language using Key-Frame animation technology.
   - Category Winner in the stream “ICT & Anything” at the ICT Geelong Innovation Forum for proposing real-time translation from English to Sign Language.
   - Winner of the “People’s Choice” award at the ICT Geelong Innovation Forum for Sign Language Translation as a project for the deaf society.
   - Winner of the “Melbourne Student Entrepreneur” award at The Student Entrepreneur Idea Pitch conducted by The Student Entrepreneurs, Melbourne and The University of Melbourne for Best Innovative Start-Up project.

- Nominated for the GSEA 2010 (Global Student Entrepreneur Award, 2010) from Melbourne, Victoria.
- Presented the Sign Language translation software to the Australian Government (Victorian Deaf Education Institute) for implementation in the Australian remote deaf education sector.

IT Department

S. No.	Name of Alumni	Award / Recognition (Details)	Awarding Organization	Year	Brief Highlights
1.	Adithya.K	Awarded **"Best performer for the project"**	Cognizant Technology Solutions	2010-2011	
2.	Srinivasan A	Awarded " **Best Outgoing Student Award**" 2008	PSG Tech	2008	
3.	sandhiya k	1) One of the authors of the paper- Feature based blind steganalysis of JPEG images which was published on July 19th, 2010 in ICICCA-2010 2)One of the top 3 students of the Information technology department of 2006-2010 batch of Amrita school of engineering, coimbatore	ICICCA, Amrita	2010	

4.	Rajalaxmi Chandran	Amrita Univeristy Second Rank Holder, TCS Best Student Award, Univeristy of Auckland Computer Science Summer Scholarship Project	Amrita, TCS, University of Auckland	2009-2010	
5	Kishore Muthu	One of the top performer in IBM for 2010	IBM	2010	
6.	S Gayathri	Got Spot award for delivering project on date without any errors or rework, with full customer satisfaction	Honeywell Technologies	2010-2011	

33. Support from the Parent-Teacher Association and its Activities:

Amrita School of Arts & Sciences – Kochi:

Meetings are being held regularly with the parents both individually and in groups and healthy exchange of ideas and opinions exists.

Amrita School of Medicine – Kochi:

Parents meetings was conducted from 5th to 8th January, 2010. In these meetings, the parents can meet individually the Principal, teaching faculty, and the Management Nominee and discuss all the aspects concerning to their wards.

Amrita School of Pharmacy – Kochi:

Parents are regularly informed about their ward's performance and parents are called after every sessional exams conducted thrice in a year. Parents should inform the respective class teachers whenever the students require any leave or when they are absent in the class.

Amrita College of Nursing – Kochi:

Meetings are held with parents and their wards at the time of admission, after the first sessional examination and whenever it is necessary. Further, any parent who wish to meet the Principal or any teacher is free to do so.

34. Health services:

Amrita School of Arts & Sciences - Kochi

All Facilities of Amrita Institute of Medical Sciences (AIMS) Super Speciality Hospital in the nearby campus being made use.

Amrita School of Biotechnology – Amritapuri:

Qualified medical and paramedical personnel including doctors, nurses and pharmacists are available in the campus medical clinic. Additionally, a full fledged Ayurvedic hospital also functions in the campus.

Amrita School of Ayurveda – Amritapuri:

AMRITA AYURVEDA HOSPITAL

- Students are posted to all sections for training
- All the facilities are available for staff & students.

OPD - 7 regular OPD as per norms in

1. Kayachikitsa
2. Panchakarma
3. Prasoothi & streeroga
4. Koumarabrithya
5. Shalya
6. Shalakya
7. General

Additionally we have Skin OP , Marmachikitsa & special OP from senior physicians.

OP working hours 9.00AM -4.00PM

We have 24hours causality services.

OP pharmacy has more than 400 preparations. Working hours-9.00AM-4.00PM

IP – 150 Bedded hospital with 7 regular department wise treatment.

1. Kayachikitsa
2. Panchakarma
3. Prasoothi & streeroga
4. Koumarabrithya
5. Shalya
6. Shalakya
7. General

Specialties:

Hitahara (medicated food)

Physiotherapy

Exclusive Shalakya (ophthalmology & ENT) procedure room.

Psychiatry treatment

Sections:

- Panchakarma
- Minor OT including Ksharasootra
- Exclusive infertility clinic
- Prasoothi & Streeroga theater
- Exclusive kitchen for patient food.
- Pathology with autoanalysis
- ECG
- X-ray
- Ultrasound

Amrita School of Medicine – Kochi:

Group insurance facility is provided to all the staff and students

Vaccination is compulsory for all the students.

Amrita College of Nursing – Kochi:

The students have regular health check up at the time of admission and annually. The medical check up encompasses physical examination, routine blood and urine examination and any specific tests, if found necessary. All students are covered by medical insurance for inpatient treatment, up to Rs. 30,000 per year. Hepatitis B vaccination is given to all the students before they are posted in the clinical area. The students can avail free consultation in the Employee's OPD and can have Out patient pharmacy reimbursement upto Rs. 500 per year

The health related service of students is co-coordinated by the Health committee. Each class has a faculty in charge of health service who looks after and co-ordinate the health related issues. The body weight is checked every month and variations are noted in the student health records. A

sickness register is maintained in the Principal's office in which the details of the sick students including IP admissions are recorded.

Amrita School of Engineering – Amritapuri:

'Amrita Dispensary' works inside the campus round the clock providing medical service to the students, staff and villagers. Three doctors and eight nursing staff are on duty. The dispensary has ten beds for the in-patients. Basic medical care, pharmacy with adequate medicines, facilities like ECG Machine, Nebulisar, Oxygen cylinders, Defibrillator, ECG monitor & Pulse Oxymeter and first aid are provided in the health care unit. Cases which require immediate hospitalization and special medical attention are referred to the nearby well known hospitals. Two ambulances are readily available in the clinic for emergency.

35. Performance in sports activities:

Amrita School of Arts & Sciences - Amritapuri

Male Students:

S. No.	Name of Student	Program, Department, & School	Name of Event	Date of Event	Location of Event	Position Secured	Level of Award*
1.	Mr. Arun T.S.	BCom, Commerce and Management Amrita School of Arts and Sciences	Volley Ball	03/03/10 to 06/03/10	Manipur	First	National
2.	Mr. Aravind	BBM 2007 -2010 Admission	Cricket	2009-2010	Coimbatore Campus	First	Amrita University
3	Mr. Sreejith	BBM 2007-2010 Admission	Cricket	2009-2010	Coimbatore Campus	First	Amrita University

Amrita School of Arts & Sciences - Mysore

Male Students:

S. No.	Name of Student	Program, Department, & School	Name of Event	Date of Event	Location of Event	Position Secured	Level of Award*
1.	Arjun S	BCA- CS dept	Table Tennis		Ettimadai, Coimbatore	Best player Award	Inter campus
2.	Nakul R	BBM- Mangmt	Best Physique		Mysore University	Best Physique	University Level
			Power Lifting'		Amritapuri, Kollam	Runner Up	Inter campus
			'Weight Lifting'			Runner Up	
	Mahesh Babu, Prabeesh.E. P, Sreejith Panikkar, Sarin Prasad	BCA	Swimming – relay		Ettimadai, Coimbatore	Second	Inter Campus

	and Akhil Prasad						

*(Intercampus, State, National, International, etc.)

Female Students:

S. No.	Name of Student	Program, Department, & School	Name of Event	Date of Event	Location of Event	Position Secured	Level of Award*
1.	Amulya Baradwaraj	BBM – Mngement	Gymnastics		Mysore University	'Individual Championship'	University

*(Intercampus, State, National, International, etc.)

Amrita School of Arts & Sciences – Kochi

Male Students:

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award**
1.	K. Chandrasekharan	Visual Media Department	First prize of Rs. One lakh for TATA DOCOMO's 'Do Year Animation Contest'			

Female Students:

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award**
1.	M.P. Ambily	B.Sc.Visual Media	1st Prize in *'The Annual All India Essay Writing Event of 2009'* organized by Shri Ram Chandra Mission in collaboration with United Nations Information Centre for India and Bhutan and conducted by Sahaj Marg Research and Training Institute in commemoration of International Day of Youth and the 2009 UN International Year of Reconciliation	12th August		National Level

**(Intercampus, State, National, International, etc.)

Amrita School of Biotechnology – Amritapuri:

S. No.	Name of Student	Program, Department, & School	Name of Event	Date of Event	Location of Event	Position Secured	Level of Award*
1.	Priyanka Mandan	M.Sc.	500 mtrs.	------	---------	1st	Intercampus

Amrita School of Ayurveda – Amritapuri:

Male Students:

S. No.	Name of Student	Program, Department, & School	Name of Event	Date of Event	Location of Event	Position Secured	Level of Award*
1.	Muthu.P. Kurusil	Annual Atheletic Meet, Amrita School of Ayurveda	Intercampus Hammer throw & Dodge ball	May 2008	Vallickavu Amrita School of Engineering	VIth & Ist	Inter campus Champion
2.	Gowthaman. R.D	Annual Atheletic Meet, Amrita School of Ayurveda	Intercampus High jump	May 2008	Vallickavu Amrita School of Engineering	IInd	Inter campus Champion
3.	Vipin.S	Annual Atheletic Meet, Amrita School of Ayurveda	Intercampus 10,000m Marathon	May 2008	Vallickavu Amrita School of Engineering	IIIrd	Inter campus Champion
4.	Vipin.S	Amrita School of Ayurveda	Inter Ayurveda College Badminton Tournament (mens doubles)	May 2008	Ollur Govt. Ayurveda College	2nd	Inter Ayurveda Championship
5.	Harish Raveendran	Amrita School of Ayurveda	Inter Ayurveda College Badminton Tournament (mens doubles)	May 2008	Ollur Govt. Ayurveda College	2nd	Inter Ayurveda Championship
6.	Aswin Haridas	Amrita School of Ayurveda	Inter Ayurveda College Badminton Tournament (Mixed doubles)	May 2008	Ollur Govt. Ayurveda College	2nd	Inter Ayurveda Championship
7.	Aswin Haridas	Amrita School of Ayurveda	Inter Ayurveda College Badminton Tournament (Men's Singles)	15-05-2010 to 18-05-2010	Ollur Govt. Ayurveda College	2nd	Inter Ayurveda Championship
8.	Aswin Haridas	Amrita School of Ayurveda	Inter Ayurveda College Badminton Tournament (Men's Doubles)	15-05-2010 to 18-05-2010	Ollur Govt. Ayurveda College	2nd	Inter Ayurveda Championship
9.	Amal S Chandran	Amrita School of Ayurveda	Inter Ayurveda College Badminton Tournment (Men's singles)	May 2009	Ollur Govt. Ayurveda College	2nd	Inter Ayurveda Championship

10.	Rijin Mohan	Amrita School of Ayurveda	Inter Ayurveda college Volleyball Tournment	April 2009	Govt. Ayurveda College, Kannur	2nd	Inter Ayurveda Championship

Female Students:

S. No.	Name of Student	Program, Department, & School	Name of Event	Date of Event	Location of Event	Position Secured	Level of Award*
1.	Deepa Suderan	Amrita School of Ayurveda	Intercampus Discuss throw	April 2009	Vallickavu Amrita School of Engineering	IInd	Intercampus Champion
2.	Karthika A.J.	Amrita School of Ayurveda	Intercampus Javelin throw & Hammer throw	April 2009	Vallickavu Amrita School of Engineering	Ist & IInd	Intercampus Champion
3.	Aiswarya P.	Amrita School of Ayurveda	Intercampus 4 x 100m relay, Long jump, Hurdles(110m), 4 x 400m relay	April 2009	Vallickavu Amrita School of Engineering	IInd, VIIth, IVth& IVth	Intercampus Champion
4.	Atheena S.	Amrita School of Ayurveda	Intercampus 4 x 400m relay, 4 x 100m relay, Hurdles (110m)	April 2009	Vallickavu Amrita School of Engineering	IIIrd ,IVth , Vth	Intercampus Champion
5.	Swapna Madhavan	Amrita School of Ayurveda	Intercampus 4 x 400m relay, 4 x 100m relay	April 2009	Vallickavu Amrita School of Engineering	IVth , Vth	Inter campus Champion
6.	Aswathy M. M.	Amrita School of Ayurveda	Intercampus 400m sprint, 800m, 4 x 400m relay	April 2009	Vallickavu Amrita School of Engineering	Ist , IInd, IIIrd	Inter campus Champion
7.	Aswathy C. Unnithan	Amrita School of Ayurveda	Intercampus 400m sprint	April 2009	Vallickavu Amrita School of Engineering	IInd	Intercampus Champion
8.	Rakhi Rajeev	Amrita School of Ayurveda	Intercampus 4 x 100m relay	April 2009	Vallickavu Amrita School of Engineering	IInd	Intercampus Champion
9.	Veena Vijayan	Amrita School of Ayurveda	Intercampus 4 x 400m relay	April 2009	Vallickavu Amrita School of Engineering	IInd	Intercampus Champion
10.	Amrita Raj	Amrita School of Ayurveda	Inter Ayurveda College Badminton Tournament Women's Singles, Women's Doubles, Mixed doubles	May 2008	Ollur Govt. Ayurveda College	Ist , Ist , Ist	Inter Ayurveda college Championship
11.	Hasna Hamsa	Amrita School of Ayurveda	Inter Ayurveda College Badminton Tournament	May 2008	Ollur Govt. Ayurveda	Ist	Inter Ayurveda Championsh

			Women's Doubles		College		ip
12.	Arsha	Amrita School of Ayurveda	Inter Campus Chess	November 2008	Amrita School of Engineering, Ettimadai	II[nd]	Inter Campus Championship
13.	Lekshmi S. Kumar	Amrita School of Ayurveda	Inter Campus Chess	November 2008	Amrita School of Engineering, Ettimadai	II[nd]	Inter Campus Championship
14.	Parvathy Mohan	Amrita School of Ayurveda	Inter Campus Chess	November 2008	Amrita School of Engineering, Ettimadai	II[nd]	Inter Campus Championship
15.	Aswathy A.L.	Amrita School of Ayurveda	Inter Campus Chess	November 2008	Amrita School of Engineering, Ettimadai	II[nd]	Inter Campus Championship
16.	Amrita Raj	Amrita School of Ayurveda	Inter Ayurveda College Badminton Tournament Women's Singles, women's Doubles, Mixed Doubles	16-05-2009 to 19-05-2009	Ollur Govt. Ayurveda College	I[st]	Inter Ayurveda Championship
17.	Lekshmi S. Kumar	Amrita School of Ayurveda	Inter Ayurveda Coll	16-05-2009 to 19-05-2009	Ollur Govt. Ayurveda College	I[st]	Inter Ayurveda Championship

			ege Badminton Tournament Women's Doubles				
18.	Amrutha Raj, Risha S. Kumar Smitha S, Sonu Mohan, Jossy Anna James, Asha Aravind, Manjusha, Hasna Hamsa	Amrita School of Ayurveda	Inter Campus Ball Badminton	24-01-2009	Amrita School of Enginering, Ettimadai	IInd	Inter Campus Championship
19.	Parvathy Mohan	Amrita School of Ayurveda	Inter Campus Chess	November 2009	Amrita School of Engineering, Ettimadai	3rd	Inter Campus Championship
20.	Lekshmi S. Kumar	Amrita School of Ayurveda	Inter Campus Chess	November 2009	Amrita School of Engineering, Ettimadai	3rd	Inter Campus Championship
21.	Sujana	Amrita School of Ayurveda	Inter Campus Ball Competition Mixed Dou	15-05-2010 to 18-05-2010	Ollur Govt. Ayurveda College	IInd	Inter Ayurveda Championship

			bles				
22.	Lekshmi S. Kumar	Amrita School of Ayurveda	Inter Campus Ball Competition Women's Singles	15-05-2010 to 18-05-2010	Ollur Govt. Ayurveda College	II[nd]	Inter Ayurveda Championship
23.	Shabna	Amrita school of Ayurveda	Inter Ayurveda College Caroms Championship	20-05-2010	Govt. Ayurveda College, Trivandrum	1[st]	Inter Ayurveda College Tournment

Amrita School of Medicine – Kochi:

1. Badminton team - second prize at "PEGASUS" held at CMC Vellore ,August 2009
2. Basket Ball team - semi finalist at "PEGASUS" held at CMC Vellore
3. Foot Ball team - runners up in "All Kerala Medicos foot ball tournament" held at Kolencherry medical college , October 2009
4. Basket Ball team - semi finalist in the Pushpagiri Basket Ball tournaments in the month of March 2010
5. Basket Ball team - Runners up in the National Basket Ball tournament held at Karakonnam Medical College, Thiruvanathapuram – April 2010
6. Basket Ball, Cricket, foot ball, Volley ball, Badminton teams participated in the Inter campus tournaments held at various campuses (Amritapuri, Ettimadai, Bangalore)
7. Organized sports fest for our Medical students named "Zenith 2010" with various games like cricket, foot ball, basket ball, volley ball, Kho – Kho, badminton, table tennis, chess, caroms and athletics also in the month of March 2010.

Amrita College of Nursing – Kochi:

Male Students:

S. No.	Name of Student	Program, Department, & School	Name of Event	Date of Event	Location of Event	Position Secured	Level of Award*
1.	Akhil Kumar	Student Nurses Zonal level Sports competitions Amrita College of Nursing-09	Shot put & Discuss throw	04.04.09	MBMM College of Nursing, Kothamangalam	First	Inter campus
2.	1.Sajith S, 2.Mansoor Ali, 3.Vidhu, 4.Anoop Thankappan	Student Nurses Zonal level Sports competitions Amrita College of Nursing-09	Relay	04.04.09	MBBM College of Nursing, Kothamangalam	First	Inter campus
3	Mansoor Ali	"	200m Race	04.04.09	MBBM College of Nursing, Kothamangalam	Second	Inter campus
4	Sajith s	"	Carroms	04.04.09	MBBM College of	Second	Inter campus

					Nursing, Kothamangalam		
5	Akhil Kumar	Student Nurses Statel level Sports competitions Amrita College of Nursing-09	Shot put	15.15.09	Chandrasekhar Stadium, TVM	Third	State
6	Mansoor Ali	Student Nurses Zonal level Sports competitions Amrita College of Nursing-10	100m & 200m Race	05.05.2010	SME Angamaly	First	Inter campus
7	Mansoor Ali	Student Nurses Zonal level Sports competitions Amrita College of Nursing-10	Long Jump	05.05.2010	SME Angamaly	First	Inter campus
8	1.Mansoor Ali 2.Anoop Thankappan 3.Shambu Pradeep 4 Vidhu	Student Nurses Zonal level Sports competitions Amrita College of Nursing-10	Relay	05.05.2010	SME Angamaly	First	Inter campus
9	1 Shambu R 2 Anoop Thankappan	Student Nurses Zonal level Sports competitions Amrita College of Nursing-10	Bad Miinton Doubles	05.05.2010	SME Angamaly	First	Inter campus
10	1 Mansoor Ali 2 Anoop Thankappan 3 Shampu Pradeep 4 Vidhu	Student Nurses Statel level Sports competitions Amrita College of Nursing-10	Relay	22.05.2010	St.Joseph College of Nursing ,Kothamangalam	First	State
11	Mansoor Ali	"	100m Race	21.05.2010	St.Joseph College of Nursing ,Kothamangalam	Third	State
12	Mansoor Ali	"	Long jump	21.05.2010	St.Joseph College of Nursing ,Kothamangalam	Third	State

Female Students:

Sl. No.	Name of Student	Program, Department, &	Name of Event	Date of Event	Location of Event	Position	Level of Award*

		School				Secured	
1.	1.Rena Raju 2.Nimisha A John	Student Nurses Zonal level Sports competitions Amrita College of Nursing-09	Bad Minton Doubles	05.05.2010		First	Inter campus
2.	1.Rena Raju 2.Nimisha A John	Student Nurses Zonal level Sports competitions Amrita College of Nursing-09	Bad Minton Doubles		SME Angamaly	First	Inter campus
3	1.Rena Raju 2. Nimisha A jhon	Student Nurses State level Sports competitions Amrita College of Nursing-09	Bad minton Doubles	22.05.2010	St. Joseph College of Nursing Kothamangalam	Third	State

Amrita School of Engineering – Amritapuri:

Male Students:

S. No.	Name of Student	Program, Department, & School	Name of Event	Date of Event	Location of Event	Position Secured	Level of Award*
1.	Linu Joseph.	Bsc cs	Volleyball	11/02/10 to 13/02/10	ettimadai	II	Intercampus
2.	Arun T. S.	BBM ASA	Volleyball	11/02/10 to 13/02/10	ettimadai	II	Intercampus
3.	Vijeesh.	Ayurveda	Volleyball	11/02/10 to 13/02/10	ettimadai	II	Intercampus
4.	Aravind sarma	BBM ASA	Volleyball	11/02/10 to 13/02/10	ettimadai	II	Intercampus
5.	Vivek R Nambiar.	Btech IT ASE	Volleyball	11/02/10 to 13/02/10	ettimadai	II	Intercampus
6.	Deepu S.	Btech ECE ASE	Volleyball	11/02/10 to 13/02/10	ettimadai	II	Intercampus
7.	Akhil V.	Bcom ASA	Volleyball	11/02/10 to 13/02/10	ettimadai	II	Intercampus
8.	Shareef A.	B com ASA	Volleyball	11/02/10 to 13/02/10	ettimadai	II	Intercampus
9.	Deepak K.	Bcom ASA	Volleyball	11/02/10 to 13/02/10	ettimadai	II	Intercampus
10.	Krishnadev G.	Bcom ASA	Volleyball	11/02/10 to 13/02/10	ettimadai	II	Intercampus
11.	Akhil raj.	Bcom ASA	Volleyball	11/02/10 to 13/02/10	ettimadai	II	Intercampus
12.	Sumesh P. A.	Btech ME ASE	Volleyball	11/02/10 to 13/02/10	ettimadai	II	Intercampus
13.	Krishnamohan Jayaraj.	Btech EEE ASE	Badminton	11/02/10 to 13/02/10	ettimadai	I	intercampus
14.	Ameen Shahid.	Btech EEE ASE	Badminton	11/02/10 to 13/02/10	ettimadai	I	intercampus
15.	Dillep C.R.	CCNA	Badminton	11/02/10 to 13/02/10	ettimadai	I	intercampus

16.	Pradeep Jayakumar.	Btech EEE ASE	Badminton	11/02/10 to 13/02/10	ettimadai	I	intercampus
17.	Avinash K.	Btech IT ASE	Badminton	11/02/10 to 13/02/10	ettimadai	I	intercampus
18.	Vivek harshavardhan.	Btech ECE ASE	Football	04/04/10 to 06/04/10	Amritapuri	I	Intercampus
19.	Mano Ranjan.	B tech ECE ASE	Football	04/04/10 to 06/04/10	Amritapuri	I	Intercampus
20.	Kiran Krishnan.	B tech EEE ASE	Football	04/04/10 to 06/04/10	Amritapuri	I	Intercampus
21.	Snal P.	Btech CSE ASE	Football	04/04/10 to 06/04/10	Amritapuri	I	Intercampus
22.	Arun Biswas.	Btech EEE ASE	Football	04/04/10 to 06/04/10	Amritapuri	I	Intercampus
23.	Subin .	B tech CSE ASE	Football	04/04/10 to 06/04/10	Amritapuri	I	Intercampus
24.	Vishnu P.	B tech ME ASE	Football	04/04/10 to 06/04/10	Amritapuri	I	Intercampus
25.	Jince Thomas.	B tech ECE ASE	Football	04/04/10 to 06/04/10	Amritapuri	I	Intercampus
26.	Kiran Raj.	B tech ME ASE	Football	04/04/10 to 06/04/10	Amritapuri	I	Intercampus
27.	Charles Chacko.	Btech CSE ASE	Football	04/04/10 to 06/04/10	Amritapuri	I	Intercampus
28.	Venu Gopal M.	Btech MCA ASE	Football	04/04/10 to 06/04/10	Amritapuri	I	Intercampus
29.	Arun jith V.S.	BBM ASA	Football	04/04/10 to 06/04/10	Amritapuri	I	Intercampus
30.	Mohammed Rafi .	Biotech ASBT	Football	04/04/10 to 06/04/10	Amritapuri	I	Intercampus
31.	Darshan R.	Btech EEE ASE	Football	04/04/10 to 06/04/10	Amritapuri	I	Intercampus
32.	Abhish K.	Btech IT ASE	Football	04/04/10 to 06/04/10	Amritapuri	I	Intercampus
33.	Linu Joseph.	Bsc cs	Volleyball	03/03/10 to 06/03/10	MIT Manipal	I	National
34.	Arun T.S.	BBM ASA	Volleyball	03/03/10 to 06/03/10	MIT Manipal	I	National
35.	Vijeesh.	Ayurveda	Volleyball	03/03/10 to 06/03/10	MIT Manipal	I	National
36.	Aravind sarma.	BBM ASA	Volleyball	03/03/10 to 06/03/10	MIT Manipal	I	National
37.	Vivek R Nambiar.	Btech IT ASE	Volleyball	03/03/10 to 06/03/10	MIT Manipal	I	National
38.	Deepu S.	Btech ECE ASE	Volleyball	03/03/10 to 06/03/10	MIT Manipal	I	National
39.	Akhil V.	Bcom ASA	Volleyball	03/03/10 to 06/03/10	MIT Manipal	I	National
40.	Shareef A.	B com ASA	Volleyball	03/03/10 to 06/03/10	MIT Manipal	I	National
41.	Deepak K.	Bcom ASA	Volleyball	03/03/10 to 06/03/10	MIT Manipal	I	National
42.	Krishnadev G.	Bcom ASA	Volleyball	03/03/10 to 06/03/10	MIT Manipal	I	National

43.	Akhil raj.	Bcom ASA	Volleyball	03/03/10 to 06/03/10	MIT Manipal	I	National
44.	Sumesh P. A.	Btech ME ASE	Volleyball	03/03/10 to 06/03/10	MIT Manipal	I	National

Amrita School of Engineering – Coimbatore:

Male Students:

S.No.	Name of Student	Program, Department, & School	Name of Event	Date of Event	Location of Event	Position Secured	Level of Award*
1.	Vysakh Suresh Kumar	B.Tech, Aerospace & ASE	Swimming	2009	ASE / Ettimadai	First	Inter campus / University Champion

Male Students:

S. No.	Name of Student	Program, Department, & School	Name of Event	Date of Event	Location of Event	Position Secured	Level of Award*
1.	Parthibhan.N (CB.EN.P3MCA08031)	MCA, CSE,Amrita School of Engineering	intercollegiate power lifting competition	4/5/10 to 7/5/10	Amrita School of Engineering, Kollam		I prize.
2.	ArunRaja.K.K (CB107CS013).	B.Tech, CSE, Amrita School of Engineering	intercollegiate power lifting competition	4/5/10 to 7/5/10	Amrita School of Engineering, Kollam		I prize.
3.	S Karthik Raj (CB107CS046)	B.Tech, CSE, Amrita School of Engineering	Coimbatore Inter Collegiate Athletic Association (CICAA) Tournaments – 2009 CRICKET (MEN)	25.07.09 - 07.08.09	Bharathiar University, Coimbatore.	RUNNERS-UP	
4.	Ashwin Ravichandran (CBENU4CSE08208)	B.Tech, CSE, Amrita School of Engineering	Coimbatore Inter Collegiate Athletic Association (CICAA) Tournaments – 2009 POWER LIFTING : 125 Kg Category	25.07.09 - 07.08.09	Bharathiar University, Coimbatore.		GOLD MEDAL
5.	Karthik.V (CB106CS125) Santhosh	B.Tech, CSE, Amrita School of Engineering	Coimbatore Inter Collegiate	25.07.09 - 07.08.09	Bharathiar University, Coimbator	THIRD POSITION	

	Kumar.B (CB107CS241)		Athletic Association (CICAA) Tournaments – 2009 CHESS COMBINED)		e.		

EEE

Male Students:

S. No.	Name of Student	Program, Department, & School	Name of Event	Date of Event	Location of Event	Position Secured	Level of Award*
1.	C. Manikandan	B.Tech, EEE, Amrita School of Engineering	Member of the ASE cricket	29-07-2009.	Bharathiar University Coimbatore	Runner Up	Inter-Collegiate
2.	P Senthil Kumar	B.Tech, EEE, Amrita School of Engineering	Member of the ASE cricket	29-07-2009.	Bharathiar University Coimbatore	Runner Up	Inter-Collegiate
3	J Vipin Prakkash	B.Tech, EEE, Amrita School of Engineering	Member of the ASE cricket	29-07-2009.	Bharathiar University Coimbatore	Runner Up	Inter-Collegiate
4	M Mohanraj	B.Tech, EEE, Amrita School of Engineering	Weightlifting in 85 kg	29-07-2009	Bharathiar University Coimbatore	Third Prize	Inter-Collegiate
5	G Gopinath	B.Tech, EEE, Amrita School of Engineering	Weightlifting in 94 kg	29-07-2009	Bharathiar University Coimbatore	Third Prize	Inter-Collegiate

36. Incentives to outstanding sportspersons: **Nil**

37. Student achievements and awards:

Amrita School of Arts & Sciences – Amritapuri:

Male Students:

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	May 2010	Sweden	International

			Institute of Technology, Stockholm, Sweden.			
2.	Mr. Arun T.S.	BCom, Commerce and Management Amrita School of Arts and Sciences	Volley Ball	03/03/10 to 06/03/10	Manipur	First National
3	Mr. Aravind	BBM 2007 - 2010Admission	Cricket	2009-2010	Coimbatore Campus	First Amrita University
4	Mr. Sreejith	BBM 2007-2010Admission	Cricket	2009-2010	Coimbatore Campus	First Amrita University

**(Intercampus, State, National, International, etc.)

Male Students:

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award**
1.	Mr. Jobin Jacob (BBM) was selected amongst the final 30 students to interact with DR. A.P.J.Abdul Kalam	----------	----------	04/01/10	----------	State
2.	Mr. Jobin Jacob (BBM)was also selected as one amongst the 20 highly talented youth on the same occasion.	----------	----------	----	----------	State

Female Students:

S No	Name of the Student	Program, Department,& School	Description of Achievement /Award	Date of Award	Location	Level of Award***
1	Ms. Athira Krishnan (2008-2011)Admission	XXCC	All Kerala Novel Academy first price	2010 October		State
2	MS. Athira Krishnan	BBM, Commerce and Management, Amrita School of Arts & Science	Selected for a programme titled "MAMBAZHAM" by Kairali channel	2010 May		

3	Ms. Athira Krishnan (2008-2011 admission)	BBM, Commerce and Management, Amrita School of Arts and Sciences	Kavyodaya puraskaram Proviso Association	2009 November		
4	Ms. Athira Krishnan	BBM, Commerce and Management, Amrita School of Arts and sciences	Written a book"Ente "Ezhuthammaku- a collection of 27 poems	03/11/09	Released at special function at Amritapuri Campus	

Ms. Arushi P.V.	Int. MSc Physics	Scored 91.45 percentile in JEST 2009 (All India 70th Rank)	2009	Bangalore	National
Ms. Arushi P.V.	Int. MSc Physics	Completed a summer internship at the Physical Research Lab Ahmadabad	May-July 2010	Ahmedabad	National
Ms. Arushi P.V.	Int. MSc Physics	First GSLV Gold medal for the Best Essay of the year	---------	----------	National
Ms. Arushi P.V.	Int. MSc Physics	Shankar' s International Silver Medal for Painting competition	----------	----------	International
Ms. Arushi P.V.	Int. MSc Physics	District Merit Scholarship from Govt. of Kerala			State

Amrita School of Biotechnology – Amritapuri:

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award**
1.	Geethanjali R.	Amrita School of Biotechnology	CSIR			National
2.	Sruthi Unnikrishnan	Amrita School of Biotechnology	CSIR			National
3.	Jyotsna Nambiar	Amrita School of Biotechnology	CSIR			National
4.	Aswathy A.	Amrita School of Biotechnology	DBT JRF			National
5.	Arathy S Kumar	Amrita School of Biotechnology	CSIR			National
6.	Annapurna Mohandas	Amrita School of Biotechnology	CSIR			National
7.	Parvathy S. Pillai	Amrita School of Biotechnology	CSIR			National
8.	Mufeeda C.M.	Amrita School of Biotechnology	CSIR			National
9.	Sona Mohan	Amrita School of Biotechnology	CSIR			National

A team of five students from M.Sc. first year (Biotechnology & Microbiology) has been selected for the final round competition of BEST 2010 India contest, Biotechnology Entrepreneurship Student Team, organized by *Association of Biotechnology Led Enterprises (*ABLE)

Amrita School of Ayurveda – Amritapuri:

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award**
3.	Arun Mohan & Muneer.M.Kutty	BAMS Amrita School of Ayurveda	Inter Campus Science Quiz Competition, 1st Prize	March 2010	Amrita School of Engineering	Inter campus
4.	Arun Mohan	BAMS Amrita School of Ayurveda	Sivan Nair Memorial Short story Writing Competition, 1st Prize	Septe mber 2009	National Library, Keezhpaloor, TVM District	District level

Amrita School of Dentistry – Kochi:

Name of the School	Student	Event	Year
Amrita School of Dentistry	Dr. Resma Mohan Dr. Nupur Sharma Dr. Ajeesh Paul Dr. Joseph Johny Dr. Rahul	Association of Oral & Maxillofacial Surgeons IDA National students conference held at Chennai	2010 February 2010

Amrita School of Medicine – Kochi:

Mr. Antony Lawrence (2004 batch) MBBS student, attended the HELP 2009 programme at The Johns Hopkins University Bloomberg School of Public Health at Geneva from July 6-24, 2009.

27-10-2009 : Conducted an The AIMS MBBS Inter-batch Quiz-2009 (A non-medical quiz - Featuring rounds on India, The World, Sports, Arts, Movies, Literature and the Proverbial Buzzer) on "TRIVIUM-2009". Quiz Masters- Dr Unnikrishnan (Endocrinology) and Dr Unnikrishnan (ENT)

Mr. Kannappan, MBBS student won the Best Poster Award (titled "Isolation and validation of biomarker MMP1 from salivary transcriptome for early diagnosis and prognosis of oral cancer") during the : ACBICON - 2009**,** the National Conference of Association of Clinical Biochemsits of India held on 5-11-2009 TO 7-11-2009

Mr. Antony Lawrence (2004 batch) MBBS student, attended the HELP 2009 programme at The Johns Hopkins University Bloomberg School of Public Health at Geneva from July 6-24, 2009.

Amrita School of Pharmacy – Kochi:

BEST POSTER AND BEST ORAL PRESENTATION AWARDS

At 3rd National Conference on Pharmaceutical Research Organized by Nehru College of Pharmacy, Pampady, Thrissur

1. Resiya Shereefa (Ist Year M.Pharm Pharmaceutical Chemistry student) won first prize for the poster titled, "Target oriented molecular modeling by combinatorial library design", Authors: Belzik N, Resiya Shereefa, Nisha Abdul Rehman, Anila Jose, Aneesh T.P
2. Seetha Harilal (3rd Year B.Pharm) won first prize for Oral presentation on the topic, "A validated quantitative estimation of Valsartan from tablet formulations", Authors: Seetha

Harilal, Dellagrace Thomas Parambi, Dr.K.G. Revikumar, Dr. Molly Mathew

WINNERS OF THE GOLD MEDAL EXAMINATION - MARCH 2010

First Rank: Atul Sangith, B Pharm, 2009 Batch, Amrita School of Pharmacy.

Third Rank: Elizabeth M Koshy, B Pharm, 2007 Batch, Amrita School of Pharmacy

Amrita School of Engineering – Amritapuri:

Male Students:

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award **
1.	Kannan Nambiar.	BTech, IT, ASE	14th position in ACM ICPC Asia Regionals	29/10/09	Amritapuri	1.
2	Kannan Nambiar.	BTech, IT, ASE	First prize in coding contest	21/10/09	Amritapuri	2
3	Sarath Gopeenathan.	BTech, IT, ASE	Second prize in coding contest	21/10/09	Amritapuri	3
4	Zubin S Mithra .	BTech, IT, ASE	First prize in hacking contest	20/10/09	Amritapuri	4
5	Manoj B.S.	BTech, IT, ASE	First prize in hacking contest	20/10/09	Amritapuri	5
6	Bhaskar M Khare.	BTech, IT, ASE	Presented a paper titled 'LAN Messenger' and secure first prize as a part of the tech fest IGNIZ	31/01/10	SCMS college of Engineering Ernakulam	6
7	Renith Radhakrishnan.	MCA, CSA, ASE	ACM coding contest First prize	30/08/09	Amritapuri	College level
8	Shibin Shanmughan.	MCA, CSA, ASE	ACM coding contest First prize	30/08/09	Amritapuri	College level
9.	Rajaneesh.	MCA, CSA, ASE	ACM coding contest First prize	30/08/09	Amritapuri	College level
10.	Abhilash R.	MCA, CSA, ASE	ACM coding contest Second prize	30/08/09	Amritapuri	College level
11.	Kiran Krishna.	MCA, CSA, ASE	ACM coding contest Second prize	30/08/09	Amritapuri	College level
12.	Pradeep Kumar.	MCA, CSA, ASE	ACM coding contest Second prize	30/08/09	Amritapuri	College level
13	Bijoy John.	MCA, CSA, ASE	ACM coding contest Third prize	30/08/09	Amritapuri	College level
14	Vineeth C.V.	MCA, CSA, ASE	ACM coding contest Third prize	30/08/09	Amritapuri	College level
15	Vinod Krishnan.	MCA, CSA, ASE	ACM coding contest Third prize	30/08/09	Amritapuri	College level
16	Renith Radhakrishnan.	MCA, CSA, ASE	Adobe Flex Contest Third prize	18/09/09 to 19/09/09	MES college Kothamangalam	State level
17	Shibin Shanmughan.	MCA, CSA, ASE	Adobe Flex Contest Third prize	18/09/09 to 19/09/09	MES college Kothamangalam	State level

18	Sreedhu Krishnan., Amrita Murali. and Anjali Balakrishnan. (S7 CSE 2010 passout)	CSE, ASE	Best paper award in software engg. track. The title of the paper was "Reverse Engineering"	24/09/09 & 25/09/09	25th National Stduent convention by Computer Society of India, at Coimbatore	National
19	Ajith Govind. and Amreth C. (S7 CSE 2010 passout)	CSE, ASE	Second best paper award in networking and cyber security track.	24/09/09 & 25/09/09	25th National Stduent convention by Computer Society of India, at Coimbatore	National
20	Ramachandran R.	CSE, ASE	Presented a paper on Steering a Virtual crowd based on a navigation graph"	24/09/09 & 25/09/09	25th National Stduent convention by Computer Society of India, at Coimbatore	National
21	Sreedhu. (S7 CSE 2010 passout) Krishnan.	CSE, ASE	Best Engineer(Southern Region) award	September 2009	National level Techfest organized by College of Engg., Trivandrum	National
22	Abhilash T.G (Roll No. AM105CS001) 2004-2009 batch , co-authored by Dr. Radu Dobrin., Prof. Sasikumar Punnekatt. and Huseyin Aysan. (a PhD student)	CSE, ASE	Paper titled 'Optimizing Fault Tolerant Capabilities of Distributed Real Time Systems'	22/09/09	accepted for the work in progress session for the 14th IEEE International conference on Emerging Technologies and Factory Automation (ETFA-2009 - http://www.etfa2009.org/) held at Palma De	International

					Mallorca in Spain	
23	Dharma Teja Naishadham.	B.Tech. CSE, ASE	Microsoft student partner	01/11/10	Amritapuri	Intercampus
24	Varun Ramani.	B.Tech. CSE, ASE	Google summer code contest in 2010	June 2010	Amritapuri, (Remote Location)	International
25	Shobit Sharda.	BTech, IT, ASE	Got an opportunity to do his final year at RWTH, Aachen University, Germany as part of Eureka student exchange programme.	June 2010	RWTH, Aachen University, Germany	International
26	Zubin S Mithra.	BTech, IT, ASE	Got selected for Google Internship as part of GSOC	June 2010	Amritapuri (Remote location)	International
27	Ramakrishnan Kamath.V	Mechanical Engineering	Best student award –from SAE	July 2010	Chennai	Southern Section
28	Shibesh Dutta.	BTech, ECE	*Chakshuyaan* – Project titled 'Vertical Take-off and Landing Air Craft' won first prize at Tech Expo on Green Engineering held at in. The team carried home a cash award of Rs. 1 lakh	August 2009	Technopark, Trivandrum	national level
29	Shibesh Dutta.	BTech, ECE	*Chakshuyaan:* This project also won the second prize in the "Young Innovators" category in a National Innovation Fair, "India Innovation Initiative, (I3)"	27/10/09	IIT Delhi	National
30	Anil C. S. and Sanjay S.	EEE/ASE	Received a hardware worth Rs. 2,23,000/- from National Instruments for a project to develop a Smart Camera Module.	14/12/10		

31	Sri Raghu Menon. & Sreejith Nair.	EEE/ASE	Won the first prize- a cash award of Rupees One Lakh for *VTOL Air Craft 'Unmanned Vertical Take off and Landing'* at the national level Tech Expo on Green Engineering held at Technopark	August 2009	Trivandrum	
32	Sri Raghu Menon.	EEE/ASE	Paper titled "Methods of Achieving Maximum RPM for Given Power for UAV" was presented in the conference on Mechanical and Aerospace Engineering organized by World Academy of Science & Technology at Singapore.	August 2009	Singapore	
33	Sri Raghu Menon.	EEE/ASE	Paper titled "Stability analysis of missile target system using Laplace transform method" was presented in the International Conference on Control Systems & Electrical Engineering (ICCEE) and invited for oral presentation	Decembe r 2009	Dubai	
34	Aravind R.C. and Vishakh K. H.	EEE/ASE	Were placed among the Top 10 Finalist teams at NIYANTRA, the national-level contest with their real time embedded device 'Sign Language Tutor' at the Educators Day conference organized by National Instruments, India	06/11/09	Bangalore	
35	Anil C.S., Sanjay S.	EEE/ASE	Were placed among the Top 5 Finalist	06/11/09	Bangalore	

			teams at NIYANTRA, a national-level real time embedded solution contest, with “On the Go Braille” at the 8th annual Educators Day conference organized by National Instruments, India			
36	Aravind R.C. and Vishakh K.H.	EEE/ASE	Were awarded second place for their technical paper “Sign Language Tutor” presented at Tatva’09 organised by National Institute of Technology, Calicut.	October 2009	Calicut	
37	Anil C.S. and Sanjay S.	EEE/ASE	Presented a paper, “On the Go Braille” at Tatva’09 organized by National Institute of Technology, Calicut	October 2009	Calicut	
38	Aditya Soman. and Chandrasekar.P	EEE/ASE	Presented a paper on ‘VAT’ at Dhruvam’09, the Technical-fest of Computer Science Department of Amrita University,	October 2009	Amritapuri Campus	
39	Amit Krishnan. and Aravind R.C.	EEE/ASE	Presented a paper on ‘Universal LED display’ at Dhruvam’09, the Technical-fest of Computer Science Department of Amrita University,	October 2009	Amritapuri Campus	
40	Vishakh K.H.	EEE/ASE	Won third position in the ‘Ultimate Engineer‘ event organized during Dhruvam’09, the Technical-fest of Computer Science Department of Amrita University,	October 2009	Amritapuri Campus	
41	Rakesh.G, Sunil Sankaranarayanan.	EEE/ASE	Final year project on “Design of Shunt Active filter using	12/03/10 to 13/03/10	Erode	

			Synchronous Detection Algorithm" was accepted for presentation in a national conference on "Power conversion and Industrial drives" held at Bannari Amman Institute of Science and Technology			
42	Mr.Navaneeth V.N.	EEE/ASE	Got 2nd place for Rock Band in Raagam 10, held in N.I.T. Calicut	March 2010.	Calicut	
43	Sri Raghu Menon.	EEE/ASE	Worked on a project titled" Study of Wireless sensor Networks" in Sasken Communication technologies Ltd.	19/05/09 to 29/06/09	Bangalore	

1	Sanjay V.	EEE/ASE	GATE percentile of 97.94	GATE 2010		
2	Vivek A.	EEE/ASE	96.29			
3	Gokul H.	EEE/ASE	95.87			
4	Darshan Ramachandran.	EEE/ASE	95.71			
5	Peri Ravi Subramaniam.	EEE/ASE	94			
6	Vikneswaran T.	EEE/ASE	87.9			
7	Aravind R Chandran.	EEE/ASE	96.5			
8	Praveen Narayanan.	EEE/ASE	88.5			
9	Rahul Rajan.	EEE/ASE	83			
10	Sivaraman T.D.	EEE/ASE	86.5			

S. No.	Name of Student	Program, Department , & School	Description of Achievement / Award	Date of Award	Location	Level of Award**
1	SreyasNarsipur. , Shibesh Dutta. , VandanaVikram. and Sri Raghu Menon.	Mechanical, EEE & ECE	*"Chakshuyaan* – Vertical Take-off and Landing Air Craft" at national level Tech Expo on Green Engineering.	August 2009	Technopark, Trivandrum	First prize
2	SreyasNarsipur., Shibesh Dutta., VandanaVikram.		*"Chakshuyaan"* in "Young Innovators	27/10/09	IIT Delhi	Second prize

	and Sri Raghu Menon.		category India Innovation Initiative in a National Innovation Fair			
3	Shreyas Narispur. , 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	-----
4	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	--------

Female Students:

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award**
1.	Swetha Gupta.	BTech, IT, ASE	Presented a paper titled 'LAN Messenger' and secure first prize as a part of the tech fest IGNIZ	31/01/10	SCMS college of Engineering Ernakulam	State
2	Soumya Ranjan Nayak. 2010 passout	CSE, ASE	Certificate of appreciation and the runner up trophy was awarded to the college	----------	Paper Presentation Aspirations 2020 at Infosys DC, Technopark, TVM	National
3	Vandana Vikram.	BTech, ECE	*Chakshuyaan* – **Project titled '**Vertical Take-off and Landing Air Craft' won first prize at Tech Expo on Green Engineering held at in.	August 2009	Technopark, Trivandrum	national level
4	Vandana Vikram.	BTech, ECE	*Chakshuyaan:* This project also won the second prize in the "Young Innovators" category in a National Innovation Fair, "India Innovation Initiative, (I3)"	27/10/09	IIT Delhi	National
5	Ms. Swathi B.	EEE/ASE	Performed Research internship at ETH,	----------	Zurich, Switzerland	---------- --

			Zurich, Switzerland.			
6	Ms. Swathi B.	EEE/ASE	Performed her project work on Image processing at IIT Delhi	----------	New Delhi	----------
7	Ms. Swathi B.	EEE/ASE	Paper titled "Stability analysis of missile target system using Laplace transform method" was presented in the International Conference on Control Systems & Electrical Engineering (ICCEE) and invited for oral presentation	Decembe r 2009	Dubai	----------
8	Febi C. and Sajina K. R.	EEE/ASE	Won the first prize for the presentation of their paper "On the Go Braille" at Dhruvam'09, the Technical-fest of Computer Science Department of Amrita University	October 2009	Amritapuri Campus	----------
9	Devi G Nair, Lakshmi Menon., Sreelakshmy S.	EEE/ASE	Were placed among the Top 10 Finalist teams at NIYANTRA, the national-level contest with their real time embedded device 'Sign Language Tutor' at the Educators Day conference organized by National Instruments, India	06/11/09	Bangalore	----------
10	Febi C., Jyotsna J. and Sajina K.R.	EEE/ASE	Were placed among the Top 5 Finalist teams at NIYANTRA, a national-level real time embedded solution contest, with "On the Go Braille" at the 8th annual Educators Day conference organized by National -Instruments, India	06/11/09	Bangalore	----------
11	Devi G Nair.	EEE/ASE	Got selected for doing Final year course work and project in Aalto University , Helsinki Finland through Student exchange program	April 2010	Finland	-----
12	Deepika Unnikrishnan. ,Divya R Menon. ,	-------	Did a project on "Design of Shunt Active filter using Synchronous Detection Algorithm"	12/03/10 to 13/03/10	Erode.	----------

	Rajasree R.		and it has got accepted in a national conference on "Power conversion and Industrial drives" held at Bannari Amman Institute of Science and Technology			
13	Rajasree R.	EEE/ASE	GATE percentile of 95.04	GATE 2010	-------	------
14	Deepika Unnikrishnan.	EEE/ASE	94.095	-------	-------	----
15	Kavya Gopinath.	EEE/ASE	90.45	--------	-------	-------
16	Praseeda A Warrier.	EEE/ASE	88.41	----------	----------	----------

Amrita School of Engineering – Bengaluru:

Male Students:

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award**
1	J.D. Rohit.	B.Tech – CSE, ASE, Bangalore	First Rank (B.Tech – CSE)	August 2009	AVV, Ettimadai	Intercampus
2	Sundar K.	M.Tech, VLSI Design, ASE, Bangalore	A technical paper titled "Modeling of Wave-Pipelined Multiplexed On-Chip Interconnects" has been accepted by IEEE, Bangalore Section for the 18th Annual Symposium on "Emerging Needs in Computing, Communication, Signals and Power ENC2SP".	July 2009	IEEE, Bangalore Section	International
3	Mr. Kartik Kinhal.	B.Tech, ECE, ASE, Bangalore	Presented a paper on "Development of Free fall Emergency Evacuation System" in 2009 International Conference on Mechanical and Electronics engineering (ICMEE2009) In this program, he was	24/07/09 to 26/07/09	Chennai	

			awarded the IACSIT Outstanding Student Presenter/Paper			
4	Rajesh R. , Anirudh M.M. , G.S. Sai Kiran.	B.Tech, ECE, ASE Bangalore	Winners In the national level 'NetRiders-09' competition. And represented India in the Asia Pacific level competition held on 29th October, 2009 and secured the 9th position among 16 participating teams.	26/10/09	Cisco Systems, ASE, Bangalore	National
5	Mr. Swaraj Teja. , Mr. Sandeep Kumar Konda.	B.Tech, ECE, ASE, Bangalore	Presented Paper titled "An Efficient Routing Algorithm for WDM Networks" in Pragyan 2010	26/02/10 to 28/02/10	NIT, Trichy	International
6	Ashwini Mary Job. , Vaishak Venkat.	B.Tech, ECE, ASE, Bangalore	"Design and Analysis of a Generic Control Loop Feedback Mechanism for a Four Tank System" National Conference on "Intelligent and Efficient Electrical Systems" (NCIEES'10)	05/03/10	Sri Sai Ram Engineering College, Chennai	National
7	Ashwini Mary Job. , Deepika Padiyar. , Kishore Shek Ahmed. and Vaishak Venkat.	B.Tech, ECE, ASE, Bangalore	A technical paper "Remote Monitoring of Patient Parameters Using Body Area Networks" won the 'Best Paper Award' at the National Conference on "Intelligent and Efficient Electrical Systems"	05/03/10	Sri Sai Ram Engineering College, Chennai	National
8	V. Naveen Kumar. and Santosh Hariharan.	B.Tech, ECE, ASE, Bangalore	A paper titled "Study of Gra phene Based Transistor- the BISFET" won the 'Best Paper Award' at National Level Technical Symposium	05/03/10	T J Institute of Technology, Chennai	National
9	Mr. Gurucharan V Karnad. and Mr. Ninad R. N.,	B.Tech, ECE, ASE, Bangalore	Secured the Second Prize for the event "Project Display" at "WAVES", the National Level Technical Symposium	22/03/10 to 24/03/10	SEEE College of Engineering, Anna University, Chennai	National
10	Gurucharan V Karnad. , Ninad R. N.	B.Tech, ECE, ASE, Bangalore	Bagged the 2nd place in the Science Exhibition conducted by VertTech	01/04/10	MVJ College of Engineering,	National

			X1.0		Bangalore	
11	Prabhu Maria Pragasam.	M.Tech, VLSI ASE, Bangalore	"Hardware Description for a Reduced Bit Multiplication Algorithm Using Vedic Sutra: Nikhilam Navatashcaramam Dashatah" 4th National Conference on "Recent trends in Communication, Electronics & Information Technology: NACTECIT'10"	23/04/10 to 24/04/10	CMR Institute of Technology, Bangalore	National
12	Akshay Khurana. , Kiran G., Pradeep M.M., Supreeth G Bharati.	B.Tech, ECE, ASE, Bangalore	A project titled "Vertical Take–Off and Landing Micro Unmanned Aerial Vehicle (VTOL-MUAV)" was developed.	Dec 2009 - June 2010	ASE, Bangalore	Internal
13	Swaminath Mahadevan.	B.Tech, ECE, ASE, Bangalore	Selected as a Sub-Lieutenant in Electrical Branch (General Service) of Navy.	June 2010	Indian Navy	National
14	K. Amit Kumar.	B.Tech, EEE, ASE, Bangalore	Gold Medal - EEE	June 2010	AVV, Ettimadai	Intercampus
15	K. Sree Harsha .	B.Tech, ECE, ASE, Bangalore	Internship in *Medical Image Analysis Lab* Bangalore	17/05/10 to 23/07/10	John F Welch Technology Centre, Bangalore	Internal

Female Students:

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award**
1.	Saranya C.	B.Tech – IT, ASE, Bangalore	First Rank (B.Tech – IT)	----	AVV, Ettimadai	Intercampus
2.	Pranambigai P.	B.Tech – IT ASE, Bangalore	Second Rank (B.Tech – IT)		AVV, Ettimadai	Intercampus
3	Deepthi Gopalakrishnan.	B.Tech – CSE ASE, Bangalore	Second Rank (B.Tech – CSE)		AVV, Ettimadai	Intercampus

Amrita School of Engineering – Coimbatore:

Male Students:

S. No.	Name of Student	Program, Department, &	Description of Achievement / Award	Date of Award	Location	Level of

		School				Award **
1	Shribarath. B	B.Tech, Aerospace & ASE	State level open & Children's Chess Championship 2009	2009	BVB MHSS Erode	*-
2	Shribarath. B	B.Tech, Aerospace & ASE	1st CITADEL INTERNATIONAL FIDE RATED OPEN CHESS TOURNAMENT	30.10.2009	Erode	1st

Male Students:

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award**
1.	Mr. C. Raja Sundar, Mr. M. Aravind and Mr. B. Arun	B.Tech (Polymer) CE&MS ASE-CBE	Futura- 2009, a National Level Technical Symposium	2009	Bannari Amman Institute	First Prize
2.	Mr. C. Raja Sundar, Mr. M. Aravind and Mr. B. Arun	B.Tech (Polymer) CE&MS ASE-CBE	40th All India Student Design Competition by National Design Research Forum	01/11/09	Bangalore	silver medal

Male Students:

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award**
1.	Raghavendra Kartick.B.H (CB107CS058) R.Anush (CB107CS106)	B.Tech, CSE, Amrita School of Engineering	event Koder Combat	02.04.2010	Amrita School of Engineering	III prize
2.	S. Vivek (II B.Tech.)	B.Tech, CSE, Amrita School of Engineering	event googlr	02.04.2010	Amrita School of Engineering	I prize
3.	S.Ashwin Surya kumar and L.Nitheesh Prashanth of II B.Tech	B.Tech, CSE, Amrita School of Engineering	event logic killer	02.04.2010	Amrita School of Engineering	III prize
4.	Murthaza.S (CB107CS226) and Mrinal.B (CB107CS225)	B.Tech, CSE, Amrita School of Engineering	event Industrial Prelim Solving	06.03.10	MEPHO SCHLENCK College of Engg	I prize
5.	Murthaza.S (CB107CS226)	B.Tech, CSE, Amrita School of Engineering	event GOOGLER	06.02.10	PSG Tech	I prize
6.	Murthaza.S (CB107CS226) and Mrinal.B (CB107CS225)	B.Tech, CSE, Amrita School of Engineering	event KRYPTEXT	06.02.10	PSG Tech	II prize
7.	Rama Subramanian A.J (CB107CS233)	B.Tech, CSE, Amrita School of Engineering	event Network Warriors	21.01.10	Anna University Kurushetra	II prize

	and B.Santhosh Kumar (CB107CS241)					
8.	Avinash Kumar M.K (CB107CS208)	B.Tech, CSE, Amrita School of Engineering	event Decthlonan	Jan, 2010	SASTRA University.	II prize
9.	B.Santhosh Kumar (CB107CS241) and B.S.Suman (CB107CS263)	B.Tech, CSE, Amrita School of Engineering	event Kriya'10 Stay Konnected – Networking	Jan, 2010	PSG Tech	I prize
10.	B.Santhosh Kumar (CB107CS241) and B.S.Suman (CB107CS263)	B.Tech, CSE, Amrita School of Engineering	event Kriya'10 Root Kriya	Jan, 2010	PSG Tech	I prize
11.	R.Harshad (CB107CS506)	B.Tech, CSE, Amrita School of Engineering	ACM Coding Contest	Jan, 2010	*	II prize
12.	P.Surya Krishna Teja (CB107CS065)	B.Tech, CSE, Amrita School of Engineering	Netwarz, N wing Competition	Jan, 2010	Anna University	II prize
13.	P.Surya Krishna Teja (CB107CS065)	B.Tech, CSE, Amrita School of Engineering	Cerbra, Math Puzzle Contest	Jan, 2010	Anna University	I prize
14.	Sreeram.R (CB107CS063) participated the and won at	B.Tech, CSE, Amrita School of Engineering	event Daksh	Jan, 2010	Sastra Tech Fest.	I prize
15.	Sriram.P (CB107CS166)	B.Tech, CSE, Amrita School of Engineering	event Net connect	Jan, 2010	Titan IQ.	I prize
16.	Kiran Kumar.P (CB107CS128)	B.Tech, CSE, Amrita School of Engineering	event Programming contest	Jan, 2010	ACM.	II prize
17.	Amith Kumar J (CB105CS102) Arjun Kumar K.K (CB105CS105) Arjun Rajan (CB105CS106) Kaushik Shekhar (CB105CS125) Vineeth Ayyappan (CB105CS171)	B.Tech (2005-09) CSE, Amrita School of Engineering	TCS Best Project Award - 2009 (Project Name: Remote Clinical Monitor)	22.11.09	Amrita Vishwa Vidyapeetham, Coimbatore.	
18.	Vineeth Ayyappan (CB105CS171)	B.Tech (2005-09) CSE, Amrita School of Engineering	prestigious professional level certification of CISCO Certified Network Professional (CCNP)	2009	*	prestigious professional level

			from CISCO Inc USA.			certification of CISCO

Female Students:

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award**
1.	R.Amridha of II B.Tech	B.Tech, CSE, Amrita School of Engineering	event counter strike	02.04.2010	Amrita School of Engineering	I prize
2.	N.Priyanga (CB107CS230), S.Manopriya (CB107CS224) and N.Rijutha (CB107CS235)	B.Tech, CSE, Amrita School of Engineering	event DIABLO-Web Designing	27.02.10	PSG Tech	II prize
3.	Dharshini.S (CB107CS024) and R.Prashanthi (CB107CS057)	B.Tech, CSE, Amrita School of Engineering	event Adobe Flex	26.02.10	NIT –Trichy	I prize
4.	Shyamala S. (CB206MC050)	MCA(2006-09), CSE, Amrita School of Engineering	University I Rank holder (2006-09) MCA	07.10.09	Amrita Vishwa Vidyapeetham, Coimbatore	I Rank, Gold Medallist
5.	Mathunika.S (CB206MC029)	MCA(2006-09), CSE, Amrita School of Engineering	University II Rank holder (2006-09) MCA	07.10.09	Amrita Vishwa Vidyapeetham, Coimbatore	II Rank, Silver Medallist
6.	Sharanya.K (CB206MC049)	MCA(2006-09), CSE, Amrita School of Engineering	University III Rank holder (2006-09) MCA	07.10.09	Amrita Vishwa Vidyapeetham, Coimbatore	
7.	Vidhya.N (CB206MC057)	MCA(2006-09), CSE, Amrita School of Engineering	University IV Rank holder (2006-09) MCA	07.10.09	Amrita Vishwa Vidyapeetham, Coimbatore	
8.	Ananda Pradeepa.P (CB206MC002)	MCA(2006-09), CSE, Amrita School of Engineering	University V Rank holder (2006-09) MCA	07.10.09	Amrita Vishwa Vidyapeetham, Coimbatore	
9.	Karthikha (CB105CS122)	B.Tech (2005-09), CSE, Amrita School of Engineering	University IV Rank holder	07.10.09	Amrita Vishwa Vidyapeetham, Coimbatore	
10.	Uma.G (CB105CS165)	B.Tech (2005-09), CSE, Amrita School of Engineering	University VI Rank holder	07.10.09	Amrita Vishwa Vidyapeetham, Coimbatore	
11.	Saranya.N (CB105CS153)	B.Tech (2005-09), CSE, Amrita School of Engineering	University IX Rank holder	07.10.09	Amrita Vishwa Vidyapeetham, Coimbatore	

12.	Shyamala S. (CB206MC050)	MCA(2006-09), CSE, Amrita School of Engineering	Jayavel Memorial Award (Best Outgoing Student Award for MCA Batch)	07.10.09	Amrita Vishwa Vidyapeetham, Coimbatore	
13.	Divya Natesan	B.Tech (2005-09) , CSE, Amrita School of Engineering	Best student performer award of the Indian Internship Programme 2009 by Infosys	20.05.09	Infosys, Mysore	

- Gowtham.S (CB107CS035) and Manjunath N. M (CB107CS051) organized "Introduction of Tamil Ambigrams and its applications & Dual Language Ambigram" stall at World Tamil meet Conference, Coimbatore from June 23 – 27' 2010.
- Gowtham S., Iyshwarya G. ,Kaushik Veluru, Tamarai Selvi A., Vasudha J, "Text Compression Using Ambigrams", ICETC 2010 Shanghai, China, June 22-24, 2010.
- Gowtham.S (CB107CS035) has been recognized by "The Hindu" paper dated 28th May 2010, Coimbatore edition, for the article "Introduction of new Calligraphy style (Ambigrams) to Tamil language" http://www.hindu.com/2010/05/28/stories/2010052859570200.htm.
- R.Sreeram (CB107CS063) presented the paper titled "Taxonomies of APRK DOOS prevention" at ANOKHA '2010 – Amrita Tech Fest on 02.04.2010 and won 2nd Prize.
- Arun Prasad.R (CB107CS012) presented the paper titled "Text Compression using Ambigrams" at ANOKHA '2010 – Amrita Tech Fest on 02.04.2010.
- Kaushik Veluru (CB107CS048) presented the paper titled "Text Compression using Ambigrams" at ANOKHA '2010 – Amrita Tech Fest on 02.04.2010.
- R.Baskar (Roll No.CB107CS110) presented the paper titled "Performance analysis of parallelized applications on multi-core processors "at ANOKHA'2010 – Amrita Tech Fest on 02.04.2010 and won 3rd Prize.
- M.A. Manoj (CB107CS135) and K.Prashant (CB107CS151) presented the paper titled "Network Security" at ANOKHA '2010 – Amrita Tech Fest on 02.04.2010
- C. Shree Karthic presented a paper titled "Design of Wi-Fi connectivity for a campus wide network – A case study approach" in RTSCP'10 on 26-27 march, 2010 at Amrita School of Engineering, Coimbatore.
- Ashish.G (CB.EN.U4CSE08012) presented the paper titled "Insilico Analysis of SWNT for stability and conductivity" at IEEE conference and second National conference RTCSP , at Amrita School of Engineeirng.
- Avinash Kumar (CB107CS208) presented the paper titled "Multicore – Parallelization" at Pragyan NIT – Trichy.
- Divya Jyothi.G (Roll No. CB107CS212) presented the paper titled "Network Security" at Pragyan NIT – Trichy.
- Sindusha K.R (CB107CS254) presented the paper titled "Network Security" at Pragyan NIT – Trichy.
- Divya.P (Roll No. CB107 CS211, 2007-2011 batch) of III CSE-C for having presented the paper entitled " Mathematical Models of Human Pre Implantation Embryo Development" in "National Symposium on Mathematical Methods and Applications (NSMMA 2009)" held on 22nd December, 2009 at IIT, Madras.

Foreign Exchange Programme

EURECA Programme

S.No	Roll No.	Name of the Student	Course	University	Period
1.	CB105CS002	Akshaya.C	B.Tech (2005 – 09)	University of L'Aquila, Italy	10.02.09 - 27.08.09

2.	CB105CS024	Kothai Priyadharshini	B.Tech (2005 – 09)	University of York, UK	28.01.09 – 02.08.09
3.	CB105CS158	K.Shyaam Kumaar	B.Tech (2005 – 09)	Malardalen University of Sweden	25.01.09 – 15.07.09
4.	CB105CS153	Saranya.N	B.Tech (2005 – 09)	Malardalen University of Sweden	25.01.09 – 15.07.09
5.	CB207CV014	Sheejamol.P.T	M.Tech CVIP (2007-09)	University of York, UK	05.03.09 – 12.09.09
6.	CB207CV008	Meethu Miriam Varkey	M.Tech CVIP (2007-09)	University of Turku	12.03.09 - 12.09.09

Male Students:

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award**
1.	1.Akshay Kumar, 2. Arun raja, 3.Aswath Mahadev, 4.Bharat Balagopal, 5.Deepak Vishwanathan	Final year EIE 2006-10 Batch	AUMA India Pvt. Limited National B.Tech Project Contest	June 25, 2010	Mysore	National

Male Students:

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award
1.	Vishnuvardhanan.V	B.Tech,EEE,ASE	International Conference	2009	Trivandrum	International

Female Students:

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award
1.	Remya K	M.Tech, EEE,ASE	International Conference	2009	Trivandrum	International

IT Department

R.Kracekumar	CSI Project Expo in Karunya
Seethal Sekhar	
Shalu Vijayakrishnan	
Chidambaram.N	CSI Project Expo,IEEE,BIT Sathy, Paper presentation !st Prize
Gobu.R	

Muthukrishnan.S	
L.Devipriya	National conference on "Advance computing & communication"held
I.Priyadharsini	at PGP college,Namakkal
Deepthi Pradeep	Presented paper in IETE National conference ACM International
Jayanthy.N	Womens conference ,IEEE International conference.
Mounica K.V	
Nivejaa.S	
Saranyadharani.P	
L.Devipriya	Got 2nd prize in Code Obfuscation conducted by Titan IQ,
G.Christy Manohari	Amrita School of Engg cleared first round In code Krackers in Titan IQ
Vignesh.M	TCS Best student Award
	CSI RSC Paper Presentation
	IETE Conference Paper Presentation
Giridharan K	Got 2nd prize in Southern Regional CST Conference (Project Expo)
Niranjan K M	held at Karunya University
Sathua Kumar K	
Sathish Kumar B	
Vimal M	
Dharaini.G	Presented a Paper in the Southern Regional Conference (CSI) in
Abinaya.D	Karunya University
Neelima Menon	
Dhaarini.G	CCNA Certified with 89% (July)
	Participated and entered Final Round in the Networking competition
	conducted in a Techfest Organised on Networking Event as a part
	of ACM-student chapter.
	Elected as ACM-student chapter-Vice chairman
	Presented paper in IETE National Conference 2010 and paper got selecte
	in 2 International conferences ICNCS,ICECT and 2 national conferences
	spandan

V.Manju	
V.Vasanthakumar	
Y.Alekya Ananthraj	
V.Manju	Presented paper in ACM Women's Conference.
Y.Alekya Ananthraj	
V.Manju	Central Co ordinator for Amritolsavam 2011 & Tamil New year 2011
B.Anusha	Central Co ordinator for Amritolsavam
Y.Alekya Ananthraj	Co ordinator for a workshop event in Anokha 2011, event coordinator
	Amritotsavam 2011
B.Anusha	Presented paper in CSI conference and our another paper got selected
Durga Lakshmipathy	in an International conference ICIST,Thrissur.
Sri ram.G	
Ganga Praveen	

Shafi.K	Won best paper award on International IEEE conference on TISC on
Sankaranarayanan.A	December 2010
Giridaran	CSI Conference (South regional) 2nd Prize - Project Expo
Niranjan	
Sathish Kumar.B	
Sathish Kumar.K	
Vimal.M	
M.Soundariya	Gate - 21.67/100. All India rang-24,819. percentage 81.7
	Paper presentation in CSI conference held at Karunya University
	Worked as a event coordinator for Amritolsavam 2011

Male Students:

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award
1.	Phalgun Niranjan	ICCCI Conference	Paper Selected	19.01.11	Shrisakti College	
2.	Devaradhan M Vignesh M	Code Debugging	First Place	24th & 25th Sep 2009	Kumaraguru College	National Student Convention

3	Vignesh Gautham K Vathul Saran	Technical quiz	Second	24th & 25th Sep 2009	Kumaraguru College	National Student Conventio n
4	Anand S Vathul Saran	"FOSS application for social Transformatio n"	*	24th & 25th Sep 2009	Kumaraguru College	National Student Conventio n
5	Devaradhan M Avinash S Karthick P	Tech Idea Kruzade 09	Second	2nd & 3rd Oct 2009	PSG Tech	National Level
6	Vignesh M Vignesh Gautham	Synaptics Techsym'09	First	18th & 19th Sep 2009	Dr.Mahaling am College of Engg	National Level
7	Vignesh M	Code Debugging	First	18th & 19th Sep 2009	Dr.Mahaling am College of Engg	National Level
8	Vignesh Gautham	Windows Scripting	Second	18th & 19th Sep 2009	Dr.Mahaling am College of Engg	National Level
9	Devaradhan M	C Debugging	First	30th Sep 2009	Sri Shakti Institute of Engg	National Level
10	Vignesh M Vignesh Gautham	Technical quiz	First	30th Sep 2009	Sri Shakti Institute of Engg	National Level
11	Devaradhan M Murali Krishnan	Technical quiz	Third	30th Sep 2009	Sri Shakti Institute of Engg	National Level
12	Devaradhan M Parameswaran B Moses Jebaraj Martin	Software Coding	First	28th Aug 2009	Bannari Amman Institute of Technology	National Level
13	Devaradhan M Muralidharan T.U	Code Obfuscation	Second	26th Feb 2010	Kongu Engg	State Level
14	Devaradhan M Parameswaran B Moses Jebaraj Martin Vimal M	Online Mobile application Project	Second	20th to 23rd Jan 2010	Anna University	National Level
15	Devaradhan M,Parameswaran B,Moses Jebaraj Martin	Online coding contest	Second	27th Feb 2010	PSG Tech	National Level

16	Muralikrishnan S	Networking event of Virtuoso	Third	11th & 12th Feb 2010	Kumaraguru College of Tech	National Level

Female Students:

S. No.	Name of Student	Program, Department, & School	Description of Achievement / Award	Date of Award	Location	Level of Award
1.	Saipreethy	ICCCI conference	Paper in top 10list	19.01.11	Shri Sakti	National Level
2	Meenakshi Amirtharaj	Women in Computing 2009	One of the three	30th to 3rd Sep2009	Tuscon,Arizona,USA	International Level

38. Activities of the Guidance and Counseling Cell:

Amrita School of Arts & Sciences - Kochi

Constitution:

1. Dr. U. Krishnakumar
2. Prof. P.A. Appukuttan
3. Dr. M.V. Kamalakshi
4. Dr. P.P. Vijayalakshmi

Counseling and proper guidance given to the weaker students.

Amrita School of Biotechnology – Amritapuri:

- Mr. Nidheesh M., Chairperson, Students Affairs (Full time)
- Dr. Geeta Kumar, Member, Students Affairs (Full time)
- Ms. Jyothi R., Member, Students Affairs (Full time)
- Mr. Ajith M., Coordinator, Seminars and Programs (Full time)
- Dr. Prakash Chandran, Coordinator, Seminars and Programs

Counseling for students

Guidance for Career advancement

Guidance for preparations for the National level entrance exams and research qualification exams

Safety committee – there are four separate safety committees which meet once in two months in order to ensure the safety regulations are being met.

- General safety – Dr. Bipin Nair
- Chemical safety – Dr. Asoke Banerji
- Biological safety - Dr. Anil Kumar
- Radiation safety – Mr. C.N. Vishnu Prasad

Amrita School of Dentistry – Kochi:

Name of the School	Activities of the Guidance and Counseling unit
Amrita School of Dentistry	Anti ragging squad Students welfare committee

Amrita School of Medicine – Kochi:

July, 2009 - A separate Dept of Clinical Psychology" has been started functioning at the B block - 1st floor, adjacent to Dept of Psychiatry. The important services provided by the department are :

1) Administration of Psychological tests : Cognitive (Intelligence, Memory, Attention & Concentration)Personality (Rorschah, TAT etc)Organic (Neuro-psychological assesment)Aptitude tests Emotional Problems Behavioral & djustment problem Stress assesment

2) Therapy services : Relaxation therapy, Hypnosis therapy, Behavioral therapy, Aversion therapy

17-7-09 : Dr. Prakash Kamath, Dept. of Cardiology for 2007 & 2006 batch MBBS students.

24-7-2009 : Dr.V.V.Pillai, Dept of Forensic Medicine & Toxicology for 2006 and 2007 batch MBBS students – Topic "Human vs Humane doctor".

October, 2009 : Dr. SARADA, Clinical Psychologist, Doctorate from California State University, started providing consultation for employees on any problem requiring guidance. The special area of her field is stress management and performance counselling.

Value Based Education Classes :

17-7-09 : Dr. Prakash Kamath, Dept. of Cardiology for 2007 & 2006 batch MBBS students.

24-7-2009 : Dr.V.V.Pillai, Dept of Forensic Medicine & Toxicology for 2006 and 2007 batch MBBS students – Topic "Human vs Humane doctor".

11-12-2009 : Dr. Harish Kumar, HOD, Dept. of Endocrinology, for 2008 batch MBBS students.

14-5-2010 : Dr.Prathapan Nair, Principal, for 2008 and 2007 batch MBBS students.

8-5-2010 & 21-5-2010 : Dr. Anand Kumar, HOD, Dept. of Neurology - for 2007 & 2008 batch MBBS students Topic : "Intuition".

Amrita School of Pharmacy – Kochi:

Around 15 students are assigned to one faculty. The faculty counsels the students for improvement in personal and academic performance. Weak students are given special coaching and re-sessional exams are conducted to improve their performance. They also guide the students in their project work.

Amrita College of Nursing – Kochi:

The College has a student-counseling cell guided by a faculty specialized in Mental Health Nursing specialty and one faculty member is in charge of each batch of students. If needed students are referred to the clinical psychologist at AIMS. As a routine, each batch is allotted a specific day to discuss their problems with the concerned faculty. However, student who wish to discuss any issues are free to approach the faculty on any day. All documents related to counseling are kept confidential.

Amrita School of Engineering – Coimbatore:

A class of 60 students is divided into 3 groups and each group is attached to one faculty counselor. This group will remain with the same faculty counselor till he completes his B.Tech Program. The student counseling form has been specially designed for this purpose.

39. Placement services provided to students:

Amrita School of Arts & Sciences - Mysore

With the first batch of UG and MCA students passing out in the current academic year, the CIR has attempted to provide the required training in the form of –

- Arranging training programmes in soft skills, verbal ability and quantitative aptitude
- Arranging talks / seminars by industry personnel
- Conducting mock interviews

Amrita School of Arts & Sciences - Kochi

Name Of Companies	No. of students placed
WIPRO	6
TCS	3
Wipro BPO	1
Infosys	1
Zerone Consulting	5
iGATE	6
Ahalia Money Exchange	16
OPI	10
HDFC Bank	4
Collabra	2
UST Global	10
Spectrum Softech Solutions	17
Optiologic	1
Infovista	2
Sand Blue	1
Web India	1
Asianet	1
Cha Yo Wo Games	1
Marine Biz	2
Amrita TV	1
JaiHind TV	1
Indian Express	1
Indiavision	2

Amrita School of Biotechnology – Amritapuri:

Year	M.Sc. Biotechnology	M.Sc. Bioinformatics
2009	86%	75%
2010	90%	85%

Amrita School of Business – Coimbatore:

The Directorate of Corporate and International Relations (C.I.R) endeavors to make our students 'Ready for Corporate Life' as also to enable them to achieve their career aspirations. C.I.R has chalked out a detailed program spanning two years where in our students are effectively trained in Soft skills, Presentation skills and Aptitude skills. This empowers them to face the interviews confidently and succeed in getting careers of their choice.

All placement activity is centrally coordinated at the C.I.R building in the Coimbatore campus. The building has 7 classrooms, 2 E-learning centers and 15 interview rooms.

The significance attached to Placements, Learning and Development and Corporate Relations is amply demonstrated by the fact that the entire CIR team is headed by a Director. There is a Corporate Relations Manager positioned in each campus to address the needs of the students as well as form a vital link between the Institute and Corporate.

In summary the C.I.R provides the following additional services to provide a complete end to end placement process for all the students thus achieving almost 100 % placements every year.

Services provided by C.I.R.:

1. Collate Student profiles.
2. Formulate content for placement brochure for the following - print version, DVD version and Web version.
3. Send formal invitations to companies by courier and email.

4. CIR personnel visit companies and invite them for campus interviews both final and summer placements.
5. Conducting 'mock' group discussion and personal interview sessions for students attending campus interviews.

S. No	Year	No of companies visited	No of students	No of offers made	% students placed	Highest Salary	Average Salary	Lowest Salary
1	2008-10	42	114	107	85	750000	382969	240000

Amrita School of Medicine – Kochi:

In the All-India Medical Entrance Examinations, following MBBS students from Amrita School of Medicine selected for PG courses in various Medical Colleges in India for the Academic Year 2010-11:

MD = 24
MS = 8
Diploma = 6
USMLE = 4
Total = 42

Amrita School of Pharmacy – Kochi:

1. A placement cell has been constituted in the school and regular orientation is provided to the outgoing students by the faculty from Amrita University, Ettimadai
2. The students of passed out batches and outgoing batch are regularly informed about placements in different pharmaceutical companies.

Amrita School of Engineering – Coimbatore:

ASCOM

The Corporate & International Relations Department of the University aids in providing training & recruitment to the students.

The Department of Communication arranges summer & winter internships for the Undergraduate and Post Graduate students of communication in various media organizations. The following M A Communication students batch 2009-2011 received placement offers:

S. No.	Name of Student	Organisation	Location
1	Ashwini S	Amrita TV	Trivandrum
2	Ashwini Subramanian	Group M	Mumbai
3	Ammu Rajeev	Beroe Consulting (I) Pvt. Ltd	Chennai
4	Pranitha K. K	Beroe Consulting (I) Pvt. Ltd	Chennai
5	Anjana Rajan	Aptara Learning, Technopark	Trivandrum
6	Sheik. Mohaideen	Cognizant Technology Solutions	Chennai
7.	Vidhushree N	Cognizant Technology Solutions	Chennai
8.	Navin Varghese	Reporter Channel	Kochi

Though it is a central activity, at department level, the CE&MS Dept helps the students in various activities such as: (i) Preparation of CV, (ii) Posting the CV on the Amrita Web site, (iii) Contacting the industries for arranging interviews for placement, (iv) Encouraging the students to prepare and appear for competitive exams such as - GATE / CAT / MAT / GRE / Etc

Apart from CIR initiated activities, the department collects the CVs of the students and displays the same on the web site and writes to various prospective companies to visit the web site and encourages the companies to interview the candidates.
Department encourages the students to prepare and appear for various competitive examinations such as GATE, CAT, GRE, UPSC, Exams conducted by PSUs, Defense Services etc.

40. Development programmes for non-teaching staff:

Amrita School of Medicine – Kochi:
10-8-2009 : The new batch of Yoga Classes commenced on 10th August, 2009 with two sessions from Monday to Friday. 1st Batch – 4.00 p.m. to 5.00 p.m. and 2nd Batch – 6.00 p.m to 7.00 p.m at the Dental College Yoga Hall.

21st to 23rd August, 2009 : "I AM" Technique : Meditation Class for staff

10-10-2009 : As part of our continuing endeavour to enhance the quality of the services, an in-house personality development session on "Looking at life differently" for senior staff was conducted by Shri Sivaramakrishnan, General Manager HR. The session is to bring about paradigm shift in their perception of life thereby resulting qualitative improvement in work and working environment.

2-11-2009 : Yoga Classes was started on 2nd November 2009 for female students and staff at the Nursing School.

Under the auspices of Viswa Samskrita Prathishtanam (the national organization Samskritha Bharathi), a Samskritham learning course based on 'Bhagavath Geetha' is chalked out. This course extends for a period of 18 months. The classes are planned for three hours per week. This course, will enable the student to learn Bhagavath Geetha and understand its import, context and meaning. The teaching programme is planned in such a way that, the students will have adequate working knowledge in samskritham.

11-1-2010 : New batch of Yoga Classes commenced : two sessions from Monday to Friday for the benefit of employees.

1-3-2010 : Daily Yoga Classes (Monday to Saturday) for the benefit of the employees from 1st March 2010.

AIMS Unity Cup Cricket Tournament has been an exceptional event, declaring loudly the unity of the AIMS family transcending all levels and categories. Winner : ONCOLOGY team against the ASK-A (Super Kings) Team .

Yoga Classes : Commenced on 19-05-2010 : two sessions from Monday to Friday (1st Batch for females – 6.00 a.m to 7.00 a.m.; 2nd Batch for all – 6.00 p.m to 7.00 p.m. Course offered - Yoga for beginners, special Yoga therapy for different aliments, stress management, Yoga for rejuvenation

Special Coaching Classes : At Kochi Campus the administration started enrollment and special coaching classes for BCom degree course and BPP (Bachelors Preparatory Programme) conducted by IGNOU in association with Jan Shikshan Sansthan (Idukki).

Amrita School of Engineering – Coimbatore:

DEVELOPMENT PROGRAMME FOR NON-TEACHING STAFF
Programme: Spoken English Course

Duration: 30 days – June 2009
Programme conducted by: P. Raghuram, Assistant Professor, Department of Mechanical Engineering, Amrita School of Engineering, Coimbatore.
Programme attended by: Non-teaching staff (15 nos)
Need for the Programme:

1. The non-teaching staff were interacting with the students and faculty in local vernacular languages, viz., Tamil and Malayalam.
2. The Engineering students had become multi-cultural and the medium of communication must be English – a common language.
3. Knowledge of 'Spoken English' will boost the self-confidence of the staff resulting in better performance and better transfer of knowledge.

Programme Objectives:

1. To improve their grammer, pronunciation and fluency of speaking as well as understanding others.
2. The non-teaching staff will become more confident with the above knowledge.

41. Best practices of the institution:

Amrita School of Arts & Sciences - Kochi

a. **Detailed Counselling of students with parents on admission -** Candidates applying for different programmes offered by the school may not be fully aware of depth of knowledge and know-how they are to acquire on the course of study. Students sometimes felt it difficult to cope with the requisites of emerging programmes like MFA, M. Sc (HA), etc. This brought to light the necessity to counsel the candidates and their parents, in detail, regarding the seriousness and requisite capabilities of the programmes.

b. **Staff Performance Appraisal by Students -** The institution is enriched with a good team of faculty members with a rare blend of teaching experience and industry expertise. Sometimes the students, the slow learners in particular, find it difficult to follow the pace or depth of the lectures. The faculties do have a concern to know what their counterpart in the sessions have to say. This has necessitated the initiation of such a practice.

c. **Individual Counselling to Slow Learners along with parents -** Since the institution is functioning under continuous evaluation system, student performance throughout the course of study is important. Sometimes, few students fails to cope with the pace of the programme and in the first assessment itself, it gets reflected. This has necessitated the initiation of such a practice.

d. **'Vidyamritham' – Extramural Expert Lecture Series -** Institution is of the opinion that learning process cannot be limited to mere internal lectures. Knowledge should flow from outside to the students. For this we thought out a scheme of extra-mural expert lecture series ' Vidyamritham'.

e. **Total Ban on Mobile Phone Use by Students in the Campus and Hostel -** Institution is of the opinion that discipline and value based living is the only means for ultimate success. Security and Discipline has always been the concern of the institution. With a large proportion of female students in the campus and hostel it's spot on to have a measure of control over the unwanted communications distorting the mission and vision of the environment.

Amrita School of Biotechnology – Amritapuri:

Final semester and projects both at B.Sc and M.Sc level provide students with hands on experience in current/ cutting edge research areas.

Advanced instrumentation facilities enable faculty to pursue advanced research projects.

Structured and regular class hours and practicals for both UG & PG Programs provides students with a thorough experience to all aspects of academic learning

Amrita School of Medicine – Kochi:

Gurukula System
Special Value Education Classes
Special lectures by eminent personalities on yoga, meditation, spirituality and other academic subjects
Computerization of all the activities
100% residential programmes
Skill Lab
Parent Teacher meetings & performance evaluation
Students Store, Students Only Cash Counter
Well equipped separate gymnasiums for boys and girls within the hostel.
More than 2 acres of play grounds

Amrita School of Pharmacy – Kochi:

1. Teaching learning process are done using modern techniques like projectors, LCD TV, OHP, models, etc.
2. Slow learners are identified from their performance in sessional exams and proper guidance and counseling are provided and re-sessional exams are conducted to improve their performance.
3. New teaching learning programme including Project works, Seminars, Group discussions etc. was introduced in their curriculum.
4. Faculty members are involved as resource persons in CPE programme organised by other colleges and for working pharmacists
5. Teachers and students are encouraged to participate in workshop and conferences.
6. Teachers training programme at school level
7. Visit to the other prime institutions, Pharmaceutical companies by staffs and students.
8. Faculty are encouraged to involve in various research funding projects.

Amrita College of Nursing – Kochi:

- Value based education is given due emphasis.
- Class committee meetings are held twice in a year
- Slow learners are given extra coaching and tests.
- Meeting with individual students and their parents after the first sessional examination.
- Evaluation system modified with more OSCE
- Teacher evaluation and subject evaluation are done at the end of each year and programme evaluation at the end of the course.
- Out of 37 faculty members in the college, 83.78% are post graduates and four are currently doing their Ph D
- Faculty self appraisal is done regularly.
- Institutional sponsorship for faculty to attend conference/workshops/seminars etc.
- College research committee is strengthened and departmental research projects are initiated.
- Conducts regular staff development programmes.

Amrita School of Engineering – Coimbatore:

CE&MS

The following best practices observed in the previous year expanded to cover more faculty and to more number of subjects.

a. Introduced electives in inter-disciplinary fields for promoting research in cutting edge areas.
b. Encouraging faculty to do auditing of courses handled by subject experts for broad basing the teaching skills among the faculty. This also makes the deployment of faculty more flexible.

c. Encouraging the faculty to pursue M.Tech Program in Computational Engineering and Net Working for promoting "Chemoinformatics" study and research.

Subject toppers help the faculty to give coaching to the weak students in career oriented courses whenever such a need arises. This creates an atmosphere of recognition, seriousness, and commitment among the students.

Involvement of the students in all academic activities in order to improve curriculum development and delivery. Involvement of the students in all co-curricular activities. Looking upon students as stakeholders in all activities.
Many students from higher semesters have been given a part of the funded research projects for development of research aptitude and for enhanced research output. The students have been encouraged to publish their research output. (continued from the previous year)
Encouraging the students to take-up inter-disciplinary programs and research / student projects.
Encouraging the students to form Student Chapter of the Industry association such as IIChE and undertake appropriate activities under the chapter.
Developing the leadership qualities and organizational skills among the students by giving maximum say in organizing national and international events.

English Department

- The department of English has designed and introduced a tailor – made Practical Course in 'Technical Communication' which helps the students of Technology to practically learn how to write different technical documents and present them to a variety of audience.

- The introduction of online tests has helped the students learn time – management. It has also helped them to get their scores instantaneously. This facility of getting a feedback on their performance has brought in seriousness and has helped the students to correct their mistakes.

42. Linkages developed with National / International, academic / research bodies:

Amrita School of Biotechnology – Amritapuri:

Sl. No	Name of Organization	Nature of Linkage	Expected Outcome
1	Biocon	Collaborative Research and Development with Amrita School of Biotechnology, Amritapuri	Advanced training and research for students and faculty. on large-scale development of biomedical devices and potential involvement in novel drug discovery, Centre of Excellence
2	Media Lab Asia		
3	Mascon Global		
4	Vins Bioproducts		
6	MDS Pharma Services		
7	Department of Science & Technology (DST)	Partner	TIFAC Centre of Excellence, Masters Programme in relevant areas, Research facility
8		Collaborative Research and Development with Amrita	Advanced training and research for students and faculty. Of large-scale

	Cellworks	School of Biotechnology	development of biomedical devices and potential involvement in novel drug discovery, Centre of Excellence
9	NIIST (formerly RRL)	Collaborative Research and Development with Amrita School of Biotechnology	Advanced training and research for students and faculty.

Amrita School of Business – Coimbatore:

1. Twenty-four students from three Amrita campuses — Amritapuri, Bangalore and Coimbatore were selected to spend up to ten months at various European Universities, as part of the European Union's India4EU program.

2. Five students of the Amrita School of Business, Coimbatore campus spent one semester at Sofia University.

Amrita School of Medicine – Kochi:

- 34 students from foreign universities underwent elective training/observership during 2009-10 (St.George University of London, University of Oxford, Albertus Magnus University of Cologne, University of East Anglia, University of Nottingham, Leipzig University, Germany etc.)
- Dr. Michael J. Trepal, Vice President for Academic Affairs and Dean, New York College of Podiatric Medicine and Dr.Anthony R Iorio visited the campus in Nov. 2009 to discuss exchange programme in Podiatry Division of the Department of Endocrinology.
- The School entered into collaborative agreement with and Des Moines University, Iowa, for international students exchange programme.
- Collaborative agreement with Warwick University, London, is in the final stages.

Amrita School of Engineering – Coimbatore:

CE&MS

1. By inviting experts from industry and distinguished academia for various conferences, we developed linkages for future interactions, career development of students and for funded research programs. (continued from the previous year)
2. Closely interacted with Petrotech (India's leading Petrochemical Industry Association) for holding their prestigious seminars in the hydrocarbon sector at AMRITA.
3. Dr. C. Senthilkumar, Scientific Officer F, AERB - Safety Research Institute IGCAR visited our campus and held discussions for a wide range of collaboration between AMRITA and IGCAR involving faculty and students in their research and development programs.
4. Department of Chemical Engineering and Materials Science organized half-day program on "Career Opportunities in Chemical Technology" by Dr. N.S. Venkat Raman and P. Shyamasundar of Nandini Chemicals Consultancy Center, Chennai in collaboration with CIR for all students of chemical engineering in and around Coimbatore on 23rd January 2010.
5. Faculty is active members and office bearers of professional bodies like Indian Plastics Institute and Indian society for Advancement of materials and Processing Engineering, enabling the department to have close interaction with the industry. (continued from the previous year).

43. Any other relevant information:

Developed strong relationship between our researchers and international experts.

Guest Lectures Organized by Department

1. Department of Chemical Engineering and Materials Science organized a one day guest

lecture series on 29.08.2009. Dr. S. Antony Swamy, Head, MPCS,CG, IGCAR, Kalpakkam gave guest lectures on Nanocrystalline nuclear materials / nano nuclear ceramics, Nuclear materials (Fabrication and Thermochemistry) and Phase equilibria (theory and experimental methods) - Solution thermodynamics. Dr. R.V. Subba Rao deleverd lectures on Fundamentals of Separation sciences - Solvent extraction, Fundamentals of Separation sciences -Ion Exchange and Liquid Membrane and Process Chemistry Aspects of Spent Nuclear Fuel Reprocessing.

2. Department of Chemical Engineering and Materials Science organized a guest lecture on "Role and function of Atomic Energy Regulatory Board" by Mr. S.E. Kannan, Director, Safety Research Institute, Atomic Energy Regulatory Board, IGCAR, Kalpakkam, Chennai On 31st October 2009. He had discussion with the faculty on CSRP(Committee for Safety on Research Programme) funding

3. Dr. A.V. Rama Rao, CMD of Avra Laboratories Pvt Ltd, Hyderabad gave Guest lecture on 30th January 2010.

4. Dr. Lakshmi Vaideeswaran, of Dow Chemical Intrenational Pvt Ltd gave Guest Lecture on 12th February 2010.

5. RMVGK Rao, Formerly Scientist G & Founder Head, Fibre Reinforced Plastics Division & Technical and Business Development Consultant, National Aerospace Laboratories (CSIR), Bangalore gave guest lectures on 12-14 October 2009. The topics were

(i) Design and Applications of High Performance Composites
(ii) Recent Advances in Composite Technology and High performance Composites
(iii) Novel Composites a)Ionic Metal Polymer Composites
b)GreenComposites
(iv) Smart Composites

List of Invited Speakers

Dr. A.K. Jain, I.F.S., Spl. Secy. Irrigation Dept. AP
Dr. A.K. Bhattacharya,, JT. Secy., DDWS
Dr. A.P.Jayaraman, Prof. Water and Wastewater Technology, Singapore
Dr. S. Prabhakar, BARC
Dr. Vasanthy Kumar, Bannari Amman Institute of Technology, Sathiyamangalam
Dr. Rajamani,, Chairman, International Union of Environment (IUE) Commission
Mr. K.S. Krithivasan Additional General Manager (Engineering)
Bharat Heavy Electricals Limited,, Ranipet, Tamil Nadu
Mr. Kanakasabapathy, , Director, TIUS
Shri V.K. Srivastava, BARC
Dr. A.V.R. Reddy, CSMCRI
Dr.S.Bandhyophadyay, CGCRI
Dr. N.M. Ramasamy, , Prof of Eminence, & Director,
Biotechnology Centre,, Anna University Coimbatore
Mrs. Vanita Mohan, Siruthuli
M.P. Ramaswamy,, Managing Director,
Justin Robert, Project Manager,, SWS&GB Saline water specialists P Ltd.

Mr. T. Shanmugam, GM, Perundurai Common Effluent Treatment Plant

Dr. James, Karunya University, Coimbatore

Dr. R. Chidambaram, Principal Scientific Advisor to Govt. of India & DAE

Dr. P.K. Tewari,, Professor, Homi bhabha National Institute, BARC

Dr. B.M.S. Bist, Scientist 'G', MNRE
Dr. B. Bhargava, Scientist 'F', MNRE
Dr. Ashwini Kumar, Scientist 'F', MNRE
Dr. Rangarajan, Scientist, NMRL
Professor A.K. Sukla, Former Director, CECRI Karaikudi
Dr. O.N. Srivatsava, University (BHU)

Dr. Praveen Ramamuthy, IISc Bangalore
Professor S.B. Krupanidhi, IISc Bangalore
Professor H.N. Bhat, IISc Bangalore
Professor Jacob, IISc Bangalore
Dr. K.S. Rajan, NAL
Dr. Swathi Ray, IACS & Jadavpur University
Professor L.M. Das, IIT Delhi
Dr. Vikram Kumar, Director, NPL New Delhi
Dr. Micheal Gratzel, Director, LPI, EPFL Switzerland
Dr. Arvind Shah, Professor, University of Neuchatel, Switzerland
Dr. A.N. Tiwari, Professor, EMPA, Switzerland
Dr. K. Kalyanasundaram, Scientist, LPI, EPFL Switzerland
Dr. F.A. Alain Nuesch, EMPA, Switzerland
K.P. Gwalani , Secy, InDA,Shri V.K.Srivastava
Dr. G. Sundararajan, Director of ARCI (Intrenational Advanced Research Center for Powdered Metallurgy & New Materials), Hyderabad
Dr. S. Sankaran, Director of ER & IPR (Extra Mural Research & Intellectual Property Rights) of DRDO
Dr. D. Roy Mahapatra, Dept. of Aerospace Engg. Indian Institute of Science. Bangalore
Dr. Sundarrajan Asokan, Dept.of Instrumentation, Indian Institute of Science. Bangalore
Dr. G.K. Ananthasuresh, Dept.of Mechanical Engineering, Indian Institute of Science. Bangalore.
Dr. P.K. Panda, Materials Science Division, National Aero Laboratories, Bangalore
Dr. Raja Samikkannu, Scientist, National Aero Laboratories, Bangalore.
Dr. Prakash D Mangalagiri, Lab Group Manager - GM Technical Centre (I) P.Ltd.
(Bangalore)
Dr. K. Vijaya Raju, Project Director(NP-MASS) Aeronautical Development Agency,
(Bangalore)
Dr. Sundar Gopalan, Associate Professor, AMRITA School of Engineering, AVVP. Amritapuri Campus

Guest Lectures by Faculty

1. Mr. Vinoj Vasu,“Principles of Plastics Product Design” Guest Lecture Series for Indian Plastics Institute at Roots Industries Ltd, Coimbatore on 17th July 2009.
2. Dr. Murali Rangarajan gave an invited talk last semester on "Model-based Optimization and Control of an Atmospheric Crude Distillation Unit" at the two-day "National Conference on Control of Nonlinear Systems" at Adhiyaman College of Engineering, Hosur on the 6th October 2009.
3. Dr. S.S. Bhagawan gave invited talk on Polymer Composites in Space Technology during National Seminar on Engineering Design, Analysis & Testing of Composite Structures, organised by Hindusthan College of Engineering and Technology, Coimbatore on February 11, 2010
4. Dr. S.S. Bhagawan and Meera Balachandran, Invited talk on Elastomer-based nanocomposites : Trends and Challenges at the National conference on "Frontiers in Polymer Nanomaterials and Composites, organised Dept of Polymer Technology, B S Abdur Rahman University, Chennai during March 18-19, 2010

Journal Paper Reviewed by Faculty

1. Dr. S.S. Bhagawan - Reviewer for Journal of Applied Polymer Science – Manuscripts : APP-2008-08-2882 - Preparation, Morphology and Properties of silane modified MWCNT/Epoxy composites".;APP-2008-07-2537 entitled "Synthesis and Characterization of Polyurethane/Mg-Al Layered Double Hydroxide Nanocomposites.
2. Mr. K. Jayanarayanan - Reviewed a paper for “Journal of Polymers and the Environment”, A Springer Publication.
3. Dr. S.S. Bhagawan served as reviewer for Journal of Applied Polymer Science – 3 mansucripts and Polymer Engineering and Science – 1 manuscript.(jan-March 2010)
4. Dr. Pravin Kannan served as reviewer for Canadian Journal of Chemical Engineering.(jan-March 2010)
5. Dr. Pravin Kannan served as reviewer for Canadian Journal of Chemical Engineering(April – June 2010)
6. Meera B Sasikumar reviewed a manuscript for Journal of Composite Materials ((April –June 2010)
7. Dr. S.S. Bhagawan served as reviewer for the following journals. Journal of Applied Polymer

Science – 3 manuscripts; Journal of Composite Materials – 1 manuscript; Polymer Engg & Science – 1 No (April –June 2010)

Student Activities in Professional Bodies

6. The student chapter of Indian Institute of Chemical Engineers (IIChE) in Amrita campus was approved on 1 June 2009 by IIChE head quarters,Kolkatta. There are 47 student members. 11 faculty members took new membership in IIChE.

7. The Students' Chapter of I.I.Ch.E. was inaugurated on 15th September 2009 by Dr. Ramesh Ramachandran, President and CEO of Dow Chemical International Pvt td. He was accompanied by Dr. Balaji Venkatraman, President of India engineering Center, Dow Chemicals, Chennai

ECE Department

The Department of Space and Wipro technologies were the main sponsors for the Second National Conference on recent Trends in Communication, Computation and Signal Processing (RTCSP 2010) held during March 26-27, 2010. Financial support to the tune of Rs. One Lakh (Fifty Thousand each from M/s. Wipro and Department of Space) was received. A full fledged hardbound proceedings of the conference was released.

41. **Any other relevant information:**

Amrita School of Arts & Sciences - Mysore

- Apart from the UG and PG programmes running in the campus add on courses like CISCO networking and Redhat classes are offered to the interested students as an additional course.
- UG students are taken for field trips and industry visits for a better exposure and understanding of the work place requirements.
- Yoga classes, bhajan sessions and celebration of festivals on the campus not only encourages personality development but also nurtures harmony and oneness among the students.
- Annual IT and Management Fests organized entirely by the students with the guidance of the faculty members helps the students hone their various skill sets.

Amrita College of Nursing – Kochi:

- Amrita College of Nursing is the only institution in the private sector in Kerala state that has 36 postgraduate students in a batch.
- No ragging in the campus.
- The college has become a centre of observation visits for M Sc Nursing students from different parts of India in the field of nursing administration.
- The college co-ordinates the internship of around three hundred B Sc nursing students outside the institution.
- One or two senior faculty members are involved in taking classes in nursing administration to MHA students, nursing Research classes for the General Nursing and midwifery students of School of Nursing.
- Students actively participate in campus activities like ABCD (Amrita Blood Collectors and Donors) Forum, ATMA (Anti Tobacco Movement at Amrita), Sevamritham Project, Vidyamritham etc and the seva activities of Mata Amritanadamayi Matt.

Amrita School of Engineering – Amritapuri:

- ACM-ICPC was organized by ASE, Amritapuri during 10th, 11th and 12th Dec 2010.
- Submitted a project proposal entitled "Development of an effective method for auscultation based on source separation of human body sounds" under FAST TRACK SCHEME FOR YOUNG SCIENTISTS (Department of Science and Technology). Total financial assistance requested Rs 1,118,400 on 14/01/2011.

- Dhruvam – a technical festival conducted by PACE- CSE students association during September 2010
- Amrita Campus blog – Amritayanam – initiated by Mitra (MCA & MSc CS association)
- Members of *Vaastav*, the IT student association, organised *Gurudakshina (*A tribute to the Gurus) - to honor faculty members on Teachers Day on September 5, 2010.

Part C: Detail the plans of the institution for the next year.

Amrita School of Arts & Sciences - Amritapuri

In addition to all the activities planned and executed during the previous years, IQAC decided to introduce the following programmes during the year 2010 – 11 and for the subsequent years.

1. The ASAS has decided to launch "e – report", which is a web based campus publication. Faculty members from various departments can publish their research findings as e – report. These articles / papers will be made available to others using the intranet facilities in the campus. An editorial board with members from each of the constituent departments will be constituted for this purpose.
2. It is planned to organize lecture workshops in science departments which will be sponsored by the Joint Academic Programme of the three Science Academies in India. We have already approached the Academies for this purpose and they have agreed to support the programme in terms of finance and also by providing experts in each field for delivering lectures. This will go a long way in nurturing an interest in various areas in science among the students and teachers.
3. The department of Commerce and Management has decided to organize Annual Budget Lectures by eminent persons. During these lectures the salient features of the budget will be analyzed.
4. English department will organize workshops/ seminars. Various literary activities are planned under SAAHITI
5. Extra – curricular activities will be strengthened.

Amrita School of Arts & Sciences – Mysore

1. It is decided and approval has been obtained from the university to replace M.Sc. (IT) programme with M.Sc. (Comp Science) in view of the market demand and current trend.
2. It is planned to start a paid canteen for the benefit of the students and the staff, in the next academic year.
3. Hostel building construction which has been taken up is planned to be completed during the next academic year. This new building is planned to accommodate up to 340 students. A part of the building will be developed as campus library.
4. It is proposed to conduct a national seminar or workshop.
5. It is planned to combine IT- Fest and Management Fest into one fest as a joint venture.
6. It is proposed to design and organize a Fest for PU students, during 2010 – 11,
7. To revive and expand short term add on courses like Cisco Academy courses and Redhat course.
8. Planned to implement the use of AUMS in all possible areas like maintaining database, attendance, results, etc.
9. To give a strong impetus towards 100% placement through consistent and continuous training programmes.

Amrita School of Biotechnology – Amritapuri:

- Plans for collaboration with Agilent Technologies to set up an analytical research lab with the vision to promote development of science education and a scientific mindset in the country.

- Setting up molecular biology and cell line engineering labs to understand biological function of genes.
- Gene Expression Platform Technologies

Amrita School of Ayurveda – Amritapuri:

- To start new P.G. courses;
- Conduct National and Inter international seminars;
- Increase capacity of computer lab;
- Establish a Research and Development Unit attached with College.
- Develop more facilities in Drug standardization unit of Pharmacy
- Establish a maternity wing with well equipped labour room and neonatal care unit.

Amrita School of Business – Coimbatore:

Following are our plans for the next year (2010-11):

- To recruit some highly competent and credentialed faculty members in different functional areas to add to our existing faculty team;
- To ensure that all the existing systems, processes and infrastructure operate smoothly without any disturbances;
- To conduct more conferences, seminars and MDPs;
- To apply for accreditation to International Accreditation agencies for management education such as AACSB, AMBA etc.

Amrita School of Medicine – Kochi:

To achieve the aims and objectives of the School to commence various new programmes in broad and superspecialty departments, we have already submitted applications to the Government of Kerala for issue of Essentiality Certificate. As soon as we get the same, applications will be submitted to the Medical Council of India for necessary permission to start the courses from the Academic Year 2011-2012

Amrita College of Nursing – Kochi:

Plans for the year 2010 – 2011 are to:

1. Academic (Teaching & Research)

- revise the M Sc Nursing curriculum.
- start M Sc Nursing programme in Community Health Nursing specialty.
- start Post Basic (P C B Sc) Nursing Programme.
- conduct more departmental/group/individual research projects/ publications by the faculty
- complete the procedure manuals in each speciality
- organize health camps and exhibitions in the community.
- Plans to have an observational visit for fourth year B. Sc Nursing students to RUSHA (Rural Unit for Social and Health Activities), CMC, Vellore in Community Health Nursing.
- Plans to release quarterly newsletters.

2. Infrastructure & Learning Resources

- Complete the multipurpose hall in the top floor
- Complete the Expansion of library.
- To install more Internet access ports in the library.
- Complete the infrastructural work of language lab
- Purchase of more computers

3. Student Support Services

- Conduct workshop, more quiz competitions, seminars etc.
- Facilitate students to participate in more and more educational activities and competitions outside the campus.
- Encourage student research with the support of faculty and encourage them to present the

same in conference and workshops.

- Study tour for the final year students and M Sc Nursing students

4. Internal audit

Internal audit is done by faculty and office staff of the College and also by the Asset Management team, AIMS.

- Lab equipment and library books are checked annually.
- Cash expenses are checked by the Deputy Manager before sending it to the Finance Controller.
- The asset management team verifies all the equipment/furniture of the institution including its location custodianship

Amrita School of Engineering – Coimbatore:

ASCOM

1. Update the curriculum to International standards
2. To increase visibility for the School of Communication
3. Organize seminars and workshops with renowned media practitioners and academicians

Organize student visits to reputed media organizations

ECE

The Department plans to continue the conference (RTCSP- Recent Trends in Communication, Computation and Signal Processing series into the third year during academic year 2010-2011. A proposal to conduct and International Conference is also planned. Specific research proposals in forth coming areas are also underway.

English Department

The department has started offering Ph.D Programme in English from this year. It intends to extend it as a full time Programme in the near future.

Name & Signature of the IQAC Coordinator

Dr. Sriram Devanathan
Professor Dept. of Chemical Engineering and Materials Science
Head, Amrita Biomedical Engineering Research Center
Amrita Vishwa Vidyapeetham,
Amritanagar (PO), Coimbatore - 641 112.

Name & Signature of Registrar & Dean-Administration

Dr. S. Krishnamoorthy
Registrar
Amrita Vishwa Vidyapeetham
Amrita Nagar, COIMBATORE - 641 112

Name & Signature of the Vice-Chancellor

Dr. P. Venkat Rangan
Vice Chancellor

AMRITA VISHWA VIDYAPEETHAM (UNIVERSITY)

ANNEXURE I – Consolidated List of Publications for Calendar Year 2009

BOOKS AND BOOK CHAPTERS PUBLISHED BY FACULTY

KOCHI CAMPUS

AMRITA INSTITUTE OF MEDICAL SCIENCES, KOCHI / AMRITA SCHOOL OF MEDICINE, KOCHI

1. B Umadethan, Principles and Practice of Forensic Medicine, Text Book, 715 pages, Swamy Law Publishers, Kochi 2009 (Book)

2. Rajiv PK, Neonatal Ventilation Bedside applications: Elaborate management guidelines, procedures and algorithms, 2009 (Book)

3. Balu Vaidyanathan and R. Krishna Kumar, Echocardiographic Evaluation of Heterotaxy Syndromes, Book: Echocardiography in Congenital heart diseases, Editor: Savitri Shrivatsava, Siddharth Publications, New Delhi 2009 (Book Chapter)
4. Sundaram KR, Dwivedi SN, Sreenivas V, Medical Statistics-Principles and Methods, Publisher: BI Publications Pvt. Ltd., New Delhi 2009 (Book)

5. VV Pillay, Textbook of Forensic Medicine and Toxicology (15th ed.), October 2009, Paras Medical Publishers, Hyderabad 2009 (Book)

6. VV Pillay, R. Basu, Fundamentals of Forensic Medicine and Toxicology, 2nd edition, 2009, Books and Allied (P) Ltd, Kolkata 2009 (Book)

7. Nithya Abraham, R.V.Jayakumar, Diabetes emergencies, Book: IDEA Update 2009 (Book Chapter)

8. Nithya Abraham, Unnikrishnan A.G, Obesity Metabolic Syndrome, Book: API Update Kerala 2009 (Book Chapter)

9. V.N.Unni, Chapter in Book, Essentials of Nephrology, BI Publications 2009 (Book Chapter)

10. Kumar RK, Evaluation of the Cardiovascular System, Book: Clinical Methods in Pediatrics, Editor: Gupta P, CBS Publishers 2009 (Book Chapter)

11. Amrita Institute of Medical Sciences, Hospital Cancer Registry 2004-2005, AMRITA 2009 (Book)

AMRITA CENTRE FOR NANOSCIENCES AND MOLECULAR MEDICINE, KOCHI

12. R Jayakumar and M. Prabhakaran, Current Research and Developments in Chitin and Chitosan in Biomaterials Science, Vol 2, Research Signpost 2009 (Book)

AMRITA SCHOOL OF ARTS AND SCIENCES, KOCHI

13. K.M. Vineeth and Dilip Kumar, Research Methodology for M.Com, Kalyani Publishers 2009 (Book)

COIMBATORE CAMPUS

AMRITA SCHOOL OF ENGINEERING, COIMBATORE

14. Soman K.P., Shyam Diwakar, V. Ajay, Insight into Data Mining: From Theory and Practice, Chinese Edition, Prentice-Hall 2009 (Book)

15. K. Somasundaram, Graph Theory and its Applications, ISBN 023-063-863-5, Macmillan, 2009 (Book)

16. K.P. Soman, R. Loganathan & V. Ajay, Machine learning with SVM and Other Kernel Methods, 5th edition, ISBN: 978-81-203-3435-9, Published By: Prentice-Hall of India 2009 (Book)

17. Radha Guha, Embedded System Design, Algorithms Acceleration by a Reconfigurable Computing Platform of FPGAs, VDM Verlag Dr. Müller e.K, ISBN 978-3-639-14726-1, Paperback, 184 Seiten 2009 (Book)

18. Latha Parameswaran and K.Anbumani, A_Content-Based Watermarking Scheme for Image Authentication Using Discrete Wavelet Transform Inter-Coefficient Relations, 2009, Book: Techniques and Applications for Advanced Information Privacy and Security: Emerging Organizational, Ethical and Human Issues, IGI Global publishers, Mar 2009. ISBN: 978-160566210-7 (Book Chapter)

19. Karthi R, Arumugam S and Ramesh Kumar, An improved discrete particle swarm clustering (IDPSC) algorithm for data clustering, Book: Nature Inspired Co-operative strategies for Optimization, Editor: Natalio Krasnogor, Springer Book Series in Computational Intelligence 2009 (Book Chapter)

20. G. Jeyakumar and C. Shunmuga Velayutham, A Comparative Performance Analysis of Multiple Trial Vectors Differential Evolution and Classical Differential Evolution, Book: Rough Sets, Fuzzy Sets, Data Mining and Granular Computing, ISBN 978-3-642-10645-3, 2009 (From 2009 Springer Lecture Notes in Computer Science, 5908) (Book Chapter)

21. P. Kandasamy, K. Thilagavathy and K. Gunavathy, Numerical Methods, Publisher: S. Chand and company, New Delhi, 12th edition, 2009 (Book)

22. N. Narayana Rao, Fundamentals of Electromagnetics for Engineering, Publisher: Pearson Education, 2009 (Book)

23. J. Ravichandran, Quality Improvement Concepts and their Implementation in Higher Educational Institutions, ISBN 978-81-907870-4-3, 2009 (Book)

24. Sumesh, E.P. and Elias, E., Optimization of finite difference method with multiwavelet bases, Book**:** Communications in Computer and Information Science, 40, 37-48, Springer 2009 (Book Chapter)

25. Bharath Sridhar, Akram Sheriff, K. A. Narayanankutty and S. Sathish Kumar, Chapter. 53, Comparison of Cascaded LMS-RLS, LMS and RLS Adaptive Filters in Non-Stationary Environments, Editor Tarek Sobh, Book Novel Algorithms and Techniques in Telecommunications and Networking, ISBN: 978-90-481-3662-9. Springer, 2009 (Book Chapter)

BANGALORE CAMPUS

AMRITA SCHOOL OF ENGINEERING, BANGALORE

26. Biswas, A., Sagar, B.V., Srinivasan, J, Managing and correlating historical events using an event timeline datatype, Book: Database systems for Advanced Applications 2009 (From 2008 Springer Lecture Notes in Computer Science: (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 4947 LNCS, 604-612) (Book Chapter)

PUBLICATIONS IN INTERNATIONAL JOURNALS IN 2009

KOCHI CAMPUS

AMRITA INSTITUTE OF MEDICAL SCIENCES, KOCHI / AMRITA SCHOOL OF MEDICINE, KOCHI

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