



A Multi Campus Academia with 'A++' grade accreditation by NAAC

AMRITA INSTITUTE OF MEDICAL SCIENCES, KOCHI

Health Sciences Campus

AMRITA SCHOOL OF DENTISTRY



PROSPECTUS

2026-2027

Amrita School of Dentistry
Amrita Vishwa Vidyapeetham
AIMS-Ponekkara P.O., Kochi – 682 041. Kerala, India
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OUR CHANCELLOR
HER HOLINESS SRI MATA AMRITANANDAMAYI DEVI



OUR
GUIDING LIGHT AND INSPIRATION

“Children should be taught the art of relaxation, how to be at ease. If they don’t feel relaxed, how can they learn? Without relaxation, no real learning is possible. This is the first lesson that clearly needs to be understood. It is very important that parents & teachers understand this before they ask the children to do something”.

-AMMA

AMRITA SCHOOL OF DENTISTRY

Amrita School of Dentistry is founded on the highest principles, with an emphasis on service, compassion, charity and excellence through education. The blending of the vital ingredients of competence and compassion is an extension of the vision and inspiration of our Founder, Sri Mata Amritanandamayi Devi, from whom we draw our strength and dedication and whose life exemplifies these high principles in every action. The nurturing of these values at the Amrita Health Sciences Campus complements a fine technical education by enhancing skills with a unique understanding and compassion for the patient. The faculty is dedicated to these sustaining values and has diligently worked on the curricula, techniques and methods that will be of the greatest help to the students.

PROGRAMS OFFERED

Diploma in Dental Mechanics

The two – year diploma course in Dental Mechanics is commenced during the academic year 2010 – 11. Amrita School of Dentistry is the first institution in the private sector in the state of Kerala to commence such a course with the approval of Dental Council of India. Diploma in Dental Mechanics is a two – year course after +2. This course is very demanding and remunerative. The curriculum includes diagnosing the dental problems of a patient, designing dental structures and dental accessories for a patient. In general, this professional works behind the scene along with the dentist to give the patients a perfect set of teeth. After the course a Dental Mechanic can work as assistants to dental surgeons for dental surgeries. The basic job revolves around assisting a dentist in making dental ceramics and also being responsible for the establishment of better dental care facilities in a clinic.

IMPORTANT

The admission activities to **Diploma in Dental Mechanics** is through the Admission Office presided by the Chairman – Admissions, Amrita Healthcare Campus, Kochi. Management of the AMRITA VISHWA VIDYAPEETHAM reserves the right to change any of the conditions enumerated herein for the purpose of complying with any of the regulations of the University Grants Commission (UGC) or any other competent authorities.

1. ELIGIBILITY AND SELECTION

- Pass in +2 with 55% aggregate marks in Physics, Chemistry, Biology and English
- Age: Not less than 17 but not more than 23 years as on December 31, 2026.
- Selection is based on the marks obtained in +2 and performance in the personal interview.

2. HOW TO APPLY?

Candidates can apply online by visiting the link: <https://applyug.amrita.edu/>

Important Dates

Commencement of Online Registration	January 2026
Last Date of Online Registration	Will be updated
Date of Personal Interview	Will be updated
Mode of Interview	Online

3. PROXY REPORTING FOR ADMISSION

Reporting for admission by proxy is not permitted. Admission of the allotted candidates who do not report to the Admission Office, Amrita School of Dentistry, Kochi shall stand cancelled.

In extremely exceptional cases, where the candidate is unable to report physically due to illness for attending admission procedure, Chairman – Admissions at his sole discretion may permit candidate's father, mother to attend counselling on behalf of the candidate on the basis of a written request. Also specific authorization from the candidate with relevant Medical Certificate from a Medical Officer not below the rank of a Civil Surgeon or a Clinical Associate Professor of a Medical College should be submitted at the time of reporting for admission.

4. VERIFICATION OF DOCUMENTS

- All admissions / allotments are subject to verification of the original certificates and documents submitted by the candidates. The decision of the Chairman - Admissions regarding the eligibility of applicants shall be final.
- If at any time before or after admission it is found that the candidate does not meet the eligibility requirement, seat will be denied to him/her. Therefore, it is the sole responsibility of the candidates to ensure that he/she meets all the eligibility requirements.
- At the time of reporting for Admission to Amrita Institute of Medical Sciences, Kochi, candidates should be accompanied either by their parent.
- The candidate should produce the following documents / certificates in Original along with one set of photocopies. Admission forms must be downloaded from website <https://www.amrita.edu/program/diploma-dental-mechanic/> & these documents / forms duly filled by candidate and needs to be submitted at the time of reporting for admission as per the scheduled date published in the website.

5. DOCUMENTS TO BE SUBMITTED FOR DIPLOMA IN DENTAL MECHANICS PROGRAM

- Hall Ticket
- Plus Two Mark list
- Pass Certificate (in case of CBSE / ICSE Syllabus)
- Character and conduct certificate from the Head of Institution where the student passed his/her Plus Two / last studied
- Proof of date of birth (10th Standard Certificate / Birth Certificate)
- Transfer Certificate from the Institution last studied
- Migration Certificate
- Medical Certificate for physical fitness and mental soundness from a medical officer (Government Hospital / Government Medical College) not below the rank of Civil Surgeon or a Clinical Associate Professor of a Medical College (as per the format prescribed in Amrita website)
- Passport size color photographs – 8 Nos
- Copies of all the certificates (one set)

NOTE:

1) THE ABOVE CERTIFICATES IN ORIGINALS ARE MANDATORY.

2) CANDIDATES COMING FOR ADMISSIONS / COUNSELING / INTERVIEW WITH INCOMPLETE LIST OF THE ABOVE DOCUMENTS WILL NOT BE ALLOWED TO ATTEND THE ADMISSION PROCEDURE & WILL BE REJECTED. _

The scanned copies of all the above mentioned documents & soft copy of photograph should be mailed to dentaladminoffice@aims.amrita.edu

All the certificates submitted are subjected to scrutiny. In case of any fake/bogus/false information, the admission office will initiate the same to the concerned department to cancel the enrollment process. During this course of action, if the college suffers any damages/ loss of reputation due to vacancy, Amrita reserves the right to claim liquidated damages from the candidate.

6. ANNUAL FEES

Course	Annual Tuition Fees (in INR) Scholarship Category	Annual Tuition Fees (in INR) Non-scholarship Category	First Year Other Fees (in INR)	Annual Hostel and Mess Fees (in INR)	Admission Processing Charge (in INR)
Diploma in Dental Mechanics	10,000	15,000	33,990	80,000	2500

Note:

- First year other fees include the expenses of sports and student welfare, library fees (including printing and publications), university fees (one time), caution deposit (refundable).
- Second year other fees expenses include sports and student welfare and library fees (including printing and publications).

NB: All fees are subject to change/revision as per the UGC guidelines (if applicable)

Request for extension of fee payment will not be considered. DD/Cheque/Cash payment will not be accepted/entertained at all.

7. FEE PAYMENT POLICY

- a) Candidates are requested to remit the first year fees at the time of admission as mentioned in the website: <https://www.amrita.edu/program/diploma-dental-mechanic/> from second year tuition fees, other fees and hostel fees should be paid within the stipulated date informed by the Dental Academics Office.
- b) Failure to make the fee payment within the specified dates will turn to loss of attendance and also fine will be charged from the last day of fee remittance stipulated by the Institution.
- c) A student will only be permitted to attend the University Examination after all fee dues are cleared.

8. HOSTEL RULES

Hostel Rules and Guidelines will be provided to all students at the time of admission. Students are requested to sign the terms and conditions provided in the Rules and handover to Admission Office at the time of admission.

9. SETTLEMENT OF DISPUTE

In case of any dispute in the interpretation of any of the conditions included in this booklet or in any other matter related to admissions covered by the Rules and Regulations contained herein, decision of the Medical Director, Amrita Institute of Medical Sciences will be final and binding.

10. JURISDICTION

Courts situated in Kochi, Kerala only will have jurisdiction over disputes if any arising on the matter of application and or admission to the courses covered in these Rules and Regulations.

AMRITA INSTITUTE OF MEDICAL SCIENCES, KOCHI

ADMISSION CANCELLATION AND FEE REFUND POLICY 2025-2026

B.Sc. AHS / M.Sc. AHS / PG AHS/Pharmacy / Dental / Nursing Seats

Category	Percentage of Refund of fees	Point of time when notice of withdrawal of admission is received in the HEI
(1)	100%	15 days or more before the formally notified last date of admission
(2)	90%	Less than 15 days before the formally notified last date of admission
(3)	80%	15 days or less after the formally notified last date of admission
(4)	50%	30 days or less, but more than 15 days after formally notified last date of admission
(5)	0%	More than 30 days after formally notified last date of admission

This policy with reference no. D.O. No.F.2-7 1t2022 (CPP-II) (c-1 14s46) dated 12th June, 2024 will remain in force for subsequent academic sessions until the issuance of a revised policy by the UGC.

ADMISSION PROCESSING CHARGES (RS. 2500 INCLUDING GST) IS NON-REFUNDABLE.

AMRITA INSTITUTE OF MEDICAL SCIENCES, KOCHI

HOSTEL & MESS FEE REFUND POLICY

i. Hostel Rent Refund Policy:

Category	Percentage of Refund of fees	Point of time when notice of withdrawal of admission is received in the HEI
(1)	100%	15 days or more before the formally notified last date of admission
(2)	90%	Less than 15 days before the formally notified last date of admission
(3)	80%	15 days or less after the formally notified last date of admission
(4)	50%	30 days or less, but more than 15 days after formally notified last date of admission
(5)	0%	More than 30 days after formally notified last date of admission

ii. Mess Fee Refund:

Refundable after deducting the proportionate amount for the number of months the mess has been utilized.

This policy dated 25th January 2025 will be followed in Amrita Institute of Medical Sciences, Kochi for all the courses and will remain in force for subsequent Academic Sessions until the issuance of a revised policy by Amrita Vishwa Vidyapeetham.

WARNING

Candidates who wish to apply for admission to any course at Amrita Vishwa Vidyapeetham, Health Sciences Campus are hereby warned against possible cheating by unscrupulous agents who may promise and assure seats by extracting large sum of money from the parents / candidates. Candidates should note that there is no provision for capitation fees towards admission.

I. COURSE STRUCTURE AND CURRICULUM:

FIRST YEAR DENTAL MECHANICS

Every candidate shall be examined in the following subjects comprising of three theory papers as follows: -

Marks for each of the papers shall be as under: -

	Written	Oral	Practical	Total
Paper I. Dental Mechanics (Final)	75	25	100	200
Paper II. Dental Materials & Metallurgy	75	25	100
Paper III Basic knowledge of Computer & Medical Records Management	75	25	100

PAPER I:

APPLIED PHYSICS, CHEMISTRY AND MECHANICS APPLIED PHYSICS

Applied Physics

1. Specific gravity, density, properties of matter, cohesion and adhesion, capillary action, surface tension, viscosity, elasticity, diffusion and osmosis.
2. Heat, thermometers and pyrometers, expansion of solids, liquids and gases, thermostats.
3. Unit of heat, specific heat, latent heat, thermal capacity, melting point, change of state, pressure gas and hydraulic, Boyle's and Charles laws.
4. Properties of vapours, Conduction, convection and radiation
- 5, Principles of electro-technology applied to dental work room.

Applied Chemistry

1. Physical and chemical change
2. Elements, mixtures and compounds
3. Composition of atmosphere
4. Oxygen oxides, burning and rusting

5. Water solvent properties and crystallization, action of water on metals, Composition of water hydrogen
6. Laws of chemical combination
7. Valency and chemical symbols
8. Simple Chemical equations
9. Acids, bases and salts
10. Electrolysis, electropolishing, electroplating
11. Ionic theory of solution
12. Electropotential series
13. Metals and alloys in casting
14. Alcohol, ethers, aldehydes, ketones
15. Fatty acids and derivatives
16. Amines
17. Carbohydrates and their treatment
18. Fats and proteins
19. Benzenes and homologues
18. Characteristics of aromatic substances
19. Synthetic resins and plastics

Applied Mechanics

1. Forces, parallelogram and triangle laws of forces
2. Moments, couples, centre of gravity, Principles of lever and cantilever work.
3. Energy, Power, Friction, Inclined plane, Screw stress, strain, shearing strain, torsion, bending movements, strength and stiffness of material

PAPER II: DENTAL MECHANICS

Dental Mechanics

- 1 Infection control measures for impressions and models
2. Impression Preservation and Boxing-in.
3. Cast: Preparation, Trimming, including Orthodontic casts.
4. Cast duplication - various methods.
5. Construction of special trays -spacers
6. Bite blocks- base plates and wax rims.
7. Articulators: Classification, daily uses, and care of articulators.
8. Adjustments, Mounting of casts.
9. Articulation, Occlusal plane, protrusive balance, working bite, balancing bite, curve of space, compensating curve, lateral curve.
10. Principles of selection of teeth.
11. Setting of teeth and wax finishing.
12. Flasking, Dewaxing, Packing, curing and Deflasking.
13. Finishing and polishing of dentures.
14. Additions, repairs, relining and rebasing of dentures.
15. Immediate denture construction.
16. Making of acrylic teeth.
17. Kennedy's classification of partial dentures.
18. Principles of partial denture, design, clasp surveyor, surveying, path of insertion and removal. Establishment of clasp seat. Clasp's parts, classification, function and reciprocation.
19. Principles of wire bending, Preparation of wrought clasps, occlusal rests and lingual bars.

PAPER III: APPLIED ORAL-ANATOMY

Applied Oral-Anatomy

1. Elementary anatomy and structure of denture/bearing area.
- 2 . Human dentition and occlusion.
3. Functions of teeth and morphology of Crowns of teeth.
- 4 . Muscles of mastication and facial expression.
5. Mastication deglutition and phonation. Movements of temporomandibular joint
6. Exercise/Demonstrations

7. Tooth carving in wax and plaster [crown and root, scale and enlarged models]

SECOND YEAR DENTAL MECHANICS

Every candidate shall be examined in the following subjects comprising of three papers as follows: -

Marks for each of the papers shall be as under: -

	Written	Oral	Practical	Total
Paper I. Dental Mechanics (Final)	75	25	100	200
Paper II. Dental Materials & Metallurgy	75	25	100
Paper III Basic knowledge of Computer & Medical Records Management	75	25	100

Topics covered under Dental Mechanics Primary- Examination should not be repeated in the final examination.

Paper I: Dental Mechanics (Final):

1. Casting machines: Centrifugal and pressure casting machines, Furnaces,
2. Principles of casting.
3. Casting techniques of partial denture (Skeletal) Clasps, bars, occlusion rest.
4. Setting of teeth and completion of dentures on metal skeletons.
5. Mechanical principles of Orthodontic appliances, anchorage, force, tissue changes and retention.
6. Stainless steel wire-preparation of clasps, springs and Arch wires for Orthodontic appliances.
7. Use of various types of expansion screws.
8. **Designing** - Implant supported Prosthesis (if facilities available for Dental
9. Implants
10. Ceramic, laminates and Veneers.
11. **Fabricating**—**Maxillofacial** prosthesis such as eye, nose ear, cheek, obturator and splint
12. Indirect Resin Restoration preparation techniques.
13. Porcelain firing techniques
14. Preparation of removable Orthodontic appliances, Activators, Retention appliances and Oral screen.
15. Construction of fixed Orthodontic appliances, bands, tubes and arches.
16. Soldering and spot welding-Soldering of clasps, tags, Strengtheners and lingual bars.
17. Inlays and Crowns-classification and construction facing & backings.

18. Casting Procedures.
19. Principles of bridge work-types of abutments - abutments and pontics construction of bridges using porcelain and acrylic pontics.

Paper II. DENTAL MATERIALS AND METALLURGY

Dental Materials:

1. Composition, Properties, Uses, Advantages & Disadvantages of the following materials: -
2. Plaster of Paris; Dental Stone, Die Stone
3. Investment Materials,
4. All Impression Materials,
5. Tray Materials,
6. Denture Base Materials, both for cold curing and heat curing, Tooth Materials Waxes,
7. Base Plates,,
8. Zinc Oxide,
9. Dental Luting Cements
10. Dental Ceramics and indirect resin restoration materials.

Dental Metallurgy:

1. Metallurgical Terms, General Study of:
 - (a) Metals used in Dentistry particularly Gold, Silver, Copper, Zinc, Tin, Lead and Aluminium.
 - (b) Alloys used in Dentistry particular y, Casting Gold Wrought Gold Silver Alloys,
2. Stainless Steel, Chrome Cobalt Alloys.
3. Heat treatment-annealing and tempering.
4. Solders, Fluxes, Anti Fluxes.
5. Tarnish and Corrosion.
6. Electric Deposition.
7. Dental implant materials

3. BASIC KNOWLEDGE.OF COMPUTERS

1. General office routine economics, record-keeping services, Professional referrals and computing skill;
2. Record keeping of materials Mx: tented and Audit of use.
 - i. Receipt and dispatch of work from clinicians

PRACTICAL EXAMINATIONS

The practical examination shall include, but not necessarily limited to the following

I Primary examination'

- i Model preparation, beading, boxing of models
- ii Class I ideal denture setup and wax up
- iii RPD surveying of models and wax pattern preparation

- iv Spotting of dental materials
- v Manipulation of lab dental materials

II Final examination

- i Three units FPD
- Model poring
- Die-preparation
- Ditching
- Spacer application
- Wax pattern
- Casting of all metal bridge
- Ceramic application on single unit crown (pasted before)

INFRASTRUCTURE

Lab facilities

- I. Chrome –cobalt lab
- II. Dental technician pre-clinical lab
- III. Common pre-clinical lab
- IV. CAD/CAM lab
- V. Maxillofacial prosthetic lab

Clinical facilities

- I. Esthetic Clinic
- II. Implant clinic
- III. Maxillo-facial prosthetic clinic
- IV. Temporomandibular joint clinic

CAREER AND SCOPE

Full-Form	Diploma in Dental Mechanics
Level of Study	Diploma
Duration	2 years
Eligibility	10+2 with Physics, Chemistry, and Biology
Admission Process	Merit-based
Job Options	Dental Mechanics, Dental Hygienist, Dental Technician
Areas of Employment	Dental hospital, dental colleges, dental lab, etc

SCOPE AFTER DENTAL MECHANICS

1. Large dental laboratories within india and abroad
2. Work as supervisors and managers of dental labs
3. Corporate hospitals and private dental clinics
4. Government hospitals
5. Take up a teaching role in dental colleges
6. Set up independent dental laboratory

HIGHER STUDY OPTIONS

1. Chief Dental Technician Course (CDT)- actual 7 years
2. After this course- only 3 years
3. Pursue Bachelor of Dental Surgery in India
4. Pursue a Masters in dental technology course in Indian or foreign universities