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AMRITA
VISHWA VIDYAPEETHAM
UNIVERSITY

श्रद्धावान् लभते ज्ञानम्
MATA AMRITANANDAMATHI MATH

Established u/s 3 of the UGC Act 1956

A multi campus university accredited by NAAC with 'A' grade

Coimbatore Campus



Our mission

To provide value-based education and mould character of the younger generation through a synthesis of science and spirituality, so that their earnest endeavour to achieve progress and prosperity in life is matched by an ardent desire to extend selfless service to the society, one complementing the other.



Knowledge enriched by human values



With headquarters at Coimbatore and campuses at Amritapuri, Kochi, Bengaluru and Mysore, Amrita Vishwa Vidyapeetham has emerged as one of the fastest growing institutions of higher learning in India.

The Amrita Vishwa Vidyapeetham is a dream come true, a dream nursed by Mata Amritanandamayi to have a centre of excellence in learning for the benefit of all. Satguru Sri Mata Amritanandamayi Devi, Amma, one of the foremost humanitarian leaders in the world today, is the Chancellor of the University. In less than two decades, Amrita Vishwa Vidyapeetham has blossomed into a multi-disciplinary, multicampus centre that offers over 150+ undergraduate, postgraduate and doctoral programmes. The satellite network for education and research that links all the campuses of the university has facilitated leading experts to have academic interaction Live from a single Centre to students, academicians and researchers at other campuses, done through state-of-the-art e-learning studios in all campuses. The university encompasses a total land area of over 900 acres with building complexes occupying around 8 million square feet.

Based on evaluation of all campuses and programs by a peer review committee, the university has been accredited by the National Assessment and Accreditation Council (NAAC) with an 'A' grade. Amrita has also been ranked in the Ivy League of Indian Universities along with Indian Institute of Science, Bangalore, Tata Institute of Fundamental Research (TIFR), Mumbai etc. in a review of deemed universities by the Ministry of Human Resource Development (MHRD) of the Government of India. In a recent review of Deemed Universities by a high-power committee of reputed academicians, popularly known as the Tandon Committee, set up by the Ministry of Human Resources Development, Amrita Vishwa Vidyapeetham was placed in Category 1.

The University proudly announces the launch of five-year-integrated M.Sc programmes in Physics, Chemistry, Mathematics and M.A in English from the forthcoming academic year 2013 at its Coimbatore campus.



Why Amrita?

- To get better career options in the present day multinational and multicultural world.
- To experience the best academic ambience
- To avail the state of the art facilities
- To get access to an excellent library for an enriching learning experience
- To get an opportunity to meet and interact with a microcosmic Indian society
- To gain exposure through an active campus life with a lot of co-curricular and extra-curricular activities
- To imbibe human values through selfless social service activities

Department of Sciences

The Department consists of two major divisions – Physics and Chemistry which started working from the year 2006. The department is actively involved in teaching of basic physics and chemistry courses; also a number of elective courses for B.Tech programme to cater to the needs of the students' interests. The department of sciences has a wide range of research activities targeting the cutting edge in both physics and chemistry. Several research projects to the extent of 300 lakhs sponsored by various government bodies like DST, CSIR, DRDO, ISRO etc and also from industrial sectors are in progress at present. Some of the research areas include Theoretical Nuclear Physics, Quantum Optics, Nanotechnology, Thin Films, Laser Materials Processing, Development of Innovative Glucose Biosensors, Organometallic chemistry,

Medicinal Organic Chemistry, Corrosion Sciences and much more.

Objectives of the PG Programme

- To provide proper training and orientation to mould the students for undertaking world class research programmes in reputed institutes in India and abroad.
- To prepare the students for facing competitive exams/interviews like UGC-CISR, GATE etc
- To provide an opportunity on student exchange programmes with European Union and US.
- To equip the students with ability to enter academics, research laboratories such as BARC, TIFR, NCL, IIT/IISc, as well as private industries like IT, Pharmaceutical, Agro-Chemical etc.

Physics division

The physics division has 12 full time teaching faculty out of which 8 possess PhD and others are pursuing their Ph.D in reputed institutions. The faculty members are engaged in collaborative research work with other departments and institutions of Amrita network. Further several research projects sponsored by BRNS, DST and DRDO are in progress. Expertise in Theoretical Nuclear Physics, Quantum Optics, Thin Films, Nanotechnology, Laser Materials Processing and Biomaterials is available in this division.

Chemistry division

The Chemistry division has eleven full time dedicated faculty members, from various reputed Universities in India and abroad, out of which eight possess doctoral degree and the rest are pursuing their PhD. The faculty members are actively involved in collaborating with School of Biotechnology (Amritapuri campus), School of Pharmacy (Kochi campus) and other Engineering departments at Coimbatore campus for interdisciplinary research projects. The chemistry division has expertise in various fields like Industrial Electrochemistry, Nanotechnology, Biosensors, Medicinal Chemistry and Fuel Cells.

Department of Mathematics

The Department of Mathematics of Amrita University offers basics Engineering Mathematics courses and advanced electives to B.Tech, M.Tech and MCA students. Department has expertise in the field of Graph Theory and Networks on Chips, Wavelet Transforms in Statistics, Magneto hydrodynamics, Lie Algebra Bundles and Cryptography.

The Department has a team of highly

qualified faculty members, most of them being PhD holders, with specialization in recent and advanced fields such as Analysis, Algebra, Fluid Mechanics, Statistics, Six Sigma, Numerical Analysis, Number Theory etc. Several International and National Conferences have been organized. The Department has to its credit a good number of research papers published in refereed International and National Journals.

The five year integrated M.Sc programme is formulated keeping in mind the requirement for people with post graduate qualification in Mathematics to hold teaching positions in Institutions of higher learning and to get into Research Institutes/Industrial Establishments. This programme is also aimed at placements in Software Industries. The curriculum aims at giving a strong foundation in the basics and then motivating towards specializations for research activities of an interdisciplinary nature and thus acting as a catalyst for initiating many research programmes, theoretical and practical in nature.

Department of English

Literature makes people develop a better understanding of fellow human beings and Language helps in building good human relations. Keeping this in view, the department of English prepares the students to learn the language and equip themselves with capabilities that can help them in their professions and personal lives as well.

The department has twelve well qualified and highly experienced faculty members who have been teaching English Language Courses for students of Engineering and Technology, Media and Communication. Besides English Language Teaching and



Testing, the faculty members are working in various research areas like Comparative Literature, European Literature, Women's Writing, Subaltern and Marginalized Literature, Indian Writing, American Literature, Folk Literature, Children's Literature etc. The department offers English Language and Literature courses like Communicative English, Technical Communication, Business communication, Indian Thought Through English, Literary Criticism and Theory, Translation Studies, Women's Writing in English, European Literature, Indian Literature (in Translation) etc., to the various undergraduate students and Ph.D candidates of the university.

Our faculty members who are certified Trainers and Examiners help students take up international language tests like Business English Certificate (BEC), IELTS, TOEFL etc. A fully-computerized Language Laboratory with state-of-the-art facilities facilitates an authentic language learning experience.

Why a PG Programme in English Literature @ Amrita?

- To blossom into good quality language professionals who could contribute to the fields of teaching, administration, media and communication, publishing, translation, technical writing, tourism & hospitality, HRD etc.
- Language related Courses and training imparted through a fully computerized language lab.
- Effective mentoring and guidance provided by dedicated faculty
- Array of electives to enable students gain knowledge in the emerging areas.
- Choice based Credit System and Continuous Assessment



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