Amrita VishwaVidyapeetham, Amritapuri Campus

M.Tech ADMISSIONS 2014

PROSPECTUS

About the University:
Amrita University was established by the renowned humanitarian leader, Sri Mata Amritanandamayi Devi, also affectionately known as Amma across the globe. Amma, who has dedicated her life for the upliftment of humanity through selfless service, is Chancellor of the university. She is accessible to one and all, and indeed, the management, faculty and staff, students and even their parents seek Amma’s personal attention and guidance on a regular basis. Amrita University continues to grow from strength to strength under Amma’s guidance.

As a developing nation, India should offer sufficient opportunities for higher education to its youth. In addition, it is essential to promote scientific research, an area which our nation is not yet on par with developed nations. Previously, India was known as a center for learning with students from all over the world studying in ancient Indian universities. Today Amrita University aims to become an outstanding institution for learning and research, so that India can once again flourish as a seat of knowledge.

Research is a highly significant activity at the university. Many centres of excellence have been started in cutting-edge areas like Nanosciences, Biomedical Engineering, Environmental Sciences, Molecular Medicine, Wireless Sensor Networks, Computational Engineering & Networking, Cyber Security, Biostatistics, Cancer etc with the support of major national laboratories, industry leaders and agencies like TIFAC, DBT, DST, ICMR, ISRO, DRDO, DBT, DIT, DRDO, BARC, Microsoft, Hewlett Packard, Media Lab Asia, Infosys, MDS Pharma, Biocon etc. Amrita is also a partner in the Ministry of Human Resource Developments National Mission for Education using ICT for various projects in haptics, virtual labs, Educational Resource Planning and interactive e-learning systems.

Amrita University, Amritapuri Campus

Nestled in the picturesque village of Vallikavu, across the beautiful and famed backwaters of Kerala, is Amrita VishwaVidyapeetham’s Amritapuri campus, blending into the natural setting of the environment with its endless stretches of coconut palm groves. The Arabian Sea that borders Kerala on the west is only a few hundred meters from the campus.

Attracted by its pristine beauty and the campus’s emphasis on technical excellence, students are drawn from just around the corner of the country as well as from far across the globe. Eminent academicians and corporate professionals share their knowledge and experiences with the students and help them apply their theoretical knowledge to real-life projects. Academic counselors mentor the students, acting as their friend, philosopher and guide. Although located in a remote village blessed with panoramic backwater expanses and tiny glistening brooks on the one side and the mighty sea on the other side, all modern amenities which go to make campus life memorable, are provided.

M.Tech programmes are offered by departments of Computer Science, Electronics, Electrical Engineering, Mechanical Engineering under School of Engineering and research centers such as Amrita Center for Wireless Networks & Applications, Amrita Center for Cyber Security Systems & Networks, Amrita Center for E-Learning and AMMACHI Labs.
Duration: 2 years, 4 semesters

Eligibility: B.E. / B. Tech. with a minimum of 60% marks or equivalent grade in the corresponding branch.

**Computer Science & Engineering offered by Department of CSE, School of Engineering**
- Computer Science and Engineering
- Information Technology
- MCA / M.Sc. in Computer Science / Software Engineering

**Control & Instrumentation Engineering offered by Department of EEE, School of Engineering**
- Electrical & Electronics Engineering
- Electrical & Communication Engineering
- Electronics & Instrumentation Engineering

**Cyber Security Systems & Networks offered by Amrita Center for Cyber Security Systems & Networks**
- Computer Science & Engineering
- Information Technology
- Electronics & Communication Engineering

**E-Learning offered by Amrita Center for E-Learning**
- Computer Science and Engineering
- Information Technology
- Electronics and Communications Engineering or equivalent
- MCA
- M. Sc. degree in Computer Science / Software Engineering

**Power & Energy Engineering offered by Department of EEE, School of Engineering**
- Electrical & Electronics Engineering

**Robotics and Automation offered by department of mechanical engineering and Amrita multimodal applications using Computer human interactions labs.**
- Computer Science
- Mechanical Engineering
- Electronics and Communication Engineering
- Electronics and Instrumentation Engineering
- Electrical and Electronics Engineering.

**Thermal & Fluids Engineering offered by Department of ME, School of Engineering**
- Mechanical Engineering
- Aerospace Engineering
- Chemical Engineering
- Automobile Engineering

**VLSI Design offered by Department of ECE, School of Engineering**
- Electronics & Communication Engineering
- Electronics & Instrumentation Engineering
- Electrical & Electronics Engineering
- Instrumentation & Control Engineering
Wireless Networks & Applications offered by Amrita Center for Wireless Networks & Applications

- Electronics & Communication Engineering
- Electrical & Electronics Engineering
- Electronics & Telecommunication Engineering
- Instrumentation & Control Engineering
- Computer Science & Engineering
- Information Technology
- Electronics & Instrumentation Engineering
- MCA / MSc Computer Science / Software Engineering / Electronics Science

APPLICATION SUBMISSION & SELECTION PROCEDURE

How to Apply:
Applications submission for admission to M.Tech programmes offered at Amritapuri campus of Amrita University is fully online. Candidates are required to visit http://am.amrita.edu/ to submit the online application. University strongly recommends reading the instructions and guidelines (available in the website) carefully before submitting the online application.

Candidates with valid GATE score are also required to attend test and interview. However, they are given preference.

Downloading of Admit Cards:
Admit Card is compulsory to appear for the test and interview. Admit Card shall be printed on a neat A4 page. Photo on the Admit Card shall be attested by the Principal of the institution last attended by the candidate or by a Gazetted Officer. Applicant shall produce the printed copy of the Admit Card to attend test and interview. The admission staff will mark the attendance at the reporting counter, computer lab and at the interview on the Admit Card. The same shall be retained by the candidate for surrendering at the time of admission.

Computer Based Examination: Questions, Topics, Answering pattern, Evaluation
Test and interview at Amritapuri campus is scheduled on 4th, 5th, 6th and 7th of June at Amritapuri campus. Computer Based Test is common for all the applicants. Test starts at 09:30 AM and candidates are required to report at 08:30 AM at the campus. Candidates shall bring the pen / pencil for rough work in the computer lab. Paper will be provided.
Test is of 90 (09:30 to 11:00) minute duration with 90 multiple choice questions from following topics:
1. Mathematics – 35
   a. Quantitative – 10
   b. Algebra – 10
   c. Calculus – 5
   d. Vectors – 5
   e. Sets & Probability – 5
2. Test of reasoning: 25 (both verbal and non-verbal)
3. Programming: 10
4. English – 20
   a. Vocabulary – 5
   b. Reading composition – 15
Each question carries 4 marks. For each wrong answer, one mark is deducted. No reduction of mark if a question is unanswered.

**Interview**
Test is followed by interview on the same day. Applicant may have to stay back for one more day, if he/she has opted multiple specializations according to the eligibility. For those who have given the preference as VLSI have to attend technical test in the same day noon, instead of interview.

**Rank list publication:**
Rank list is published in one week of the last date of interview. Separate rank list is published for each specialization. For example, if an applicant with B.Tech Computer Science has attended interview in CSE, WNA & Cyber Security, his/her name will appear in all the three rank lists. If the name appears in the “selected” category, the applicant deserves the right to choose the specialization.

**Admission Procedure:** Candidates who are in the selected category shall make the partial payment of tuition & other fees on or before the date mentioned in the website. If the selected candidate fail to pay the fees on or before this date, the seat is given to the next candidate in the rank order.

**Important Dates**: 
Submission of application starts on: March 19th
Last date to submit application: May 28th
Computer Based Test and Interview: Second Week June
Publication of rank list: Within 3 days of the last date of the interview.
Option submission: Next two days of the publication of the rank list.
Payment of partial amount of fees: July 10th
Payment of balance amount: July 20th
Commence of classes: Last week of July
(* dates are subject to change, please refer to our website for updates)

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**FEE STRUCTURE FOR M.Tech ADMISSIONS 2014**

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<th>Sl. No.</th>
<th>Head</th>
<th>Term</th>
<th>Amount</th>
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<tr>
<td>1</td>
<td>Tuition Fees</td>
<td>Semester</td>
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<tr>
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<td>Additional Fees (University Fees, Establishment Fees &amp; Special Fees)</td>
<td>Annual</td>
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<td>One Time Charges (Insurance, Admission Fees and Caution Deposit)</td>
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**HOSTEL**

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<th>Mess Fee</th>
<th>Caution Deposit</th>
<th>Total (Hostel Fee)</th>
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