



GOVT. MODEL ENGINEERING COLLEGE KOCHI



MTECH in
ENERGY MANAGEMENT

PG ADMISSION 2020-21
INFORMATION BROCHURE

DEPARTMENT OF
MECHANICAL ENGINEERING

WHERE PASSION DRIVES DISTINCTION

WHAT WE DO - DEPARTMENT OF MECHANICAL ENGINEERING

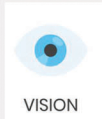
The **Department of Mechanical Engineering (DME)** in the MEC is better known for its well qualified and experienced faculty members who foster an open and vibrant academic environment in the domains under it. The department practise innovative teaching and offers research in cutting edge topics related to energy management. Currently, the Department is offering **four-years B.Tech degree program in Mechanical Engineering, two years interdisciplinary M.Tech degree programme in Energy Management and full-time and part-time Ph.D. research programs**

Centre for Energy Management Studies (CEMS) was started as a part of Department of Mechanical Engineering and houses all the major PG labs, PG class rooms and conference facilities under it. Promotion of industrial and research collaboration and joint activities are the areas where the department is making its presence felt

JOULE LAB-the recently closed MOU between the **Smart Joules**, New Delhi realized in setting up of a Joule Lab on campus exclusively for the M.Tech in Energy Management students to get trained by industry experts and to carryout live projects during their studies. It is worth noting that all the six students trained in the Joule lab facility have been absorbed by the Smart Joules itself. 2nd edition of Joule Labs is getting ready for the present third semester M.Tech students

M.Tech in Energy Management students are also trained in **Energy Auditing** in real project sites by **PRUDENT ENERGY, Kochi** on the basis of their MOU with the college

DEPARTMENT VISION AND MISSION



To be a nationally recognized department in, and renowned for, mechanical engineering teaching and research



To serve society and mankind through innovation and excellence in teaching and research

RESEARCH FACILITIES

Better opportunities exist for research-minded students to hone their research skills and participate actively in pioneering research studies. The registered research scholars and PG students along with their faculty members, are involved in academic research, which often results in good publications in International and National Journals. Some of the research work is also presented in International and National conferences. Major labs setup for the MTech course includes, Computational Laboratory, CAD Laboratory and Solar and Wind Energy Laboratories. A central mechanical workshop also is available to carryout different fabrication works needed for student projects

MTECH ENERGY MANAGEMENT PROGRAMME HIGHLIGHTS

The highly interdisciplinary MTech course in Energy Management provides an opportunity to students who previously have a bachelor's degree and would like to specialize in an area relevant to Mechanical Engineering. The course is structured on a credit-based system following the semester pattern with continuous evaluation. It contains advanced compulsory courses, electives and a six months long mini project and 12 months long major project in the final phase of the program. The major project is to be worked on an individual basis, and is typically research and development oriented. The M.Tech. program is designed to equip engineers to assess, preserve and manage energy resources in industries and other organizations. The course focuses on efficient utilization of thermal and non-conventional energy by effective management and also to develop and propagate a culture of energy preservation among the students, engineers and industry

WHY US ?

- ✓ Qualified and experienced faculty
- ✓ Much better research output
- ✓ Better learning environment
- ✓ Better and bigger brand
- ✓ More companies with better offers and internships
- ✓ Less Expensive
- ✓ NBA Accredited institution
- ✓ Studying in MEC has many long-term career benefits to study your dreams

M.TECH ADMISSIONS

The M.Tech in Energy Management programme is offered by the Department of Mechanical Engineering.. The duration for the M.Tech. programme is normally 4 semesters. The maximum duration is 6 semesters. The University permits regular as well as external registration (part time) for those in employment with a normal and extended durations of the course as 6 semesters and 7 semesters respectively. The course is affiliated to the KTU and approved by the AICTE.

Eligibility for admission (*Please see the DTE Notification published in www.dtekerala.gov.in for more details*)

- a) The candidates should have studied the B.Tech/B.E course in an institution approved by the AICTE / Deemed Universities in India in **Mechanical/Automobile/Production/Industrial/Mechanical stream Automobile/Mechanical stream Production /Electrical &Electronics/Mechatronics Engineering**
- b) Candidates should have a minimum of **60% aggregate marks** in the Engineering Degree examination. For SC/ST candidates a pass in the Engineering Degree course is sufficient. For SEBC (OBC) students, a minimum of 54% aggregate marks in the Engineering Degree examination is mandatory.
- c) Candidates, **who have passed AMIE / AMIETE Examinations and satisfying the following conditions, are eligible for admission.**
- 1) They must have valid GATE score and 2) A minimum of 55% marks for section B in AMIE/AMIETE examination.
- d) Candidates who have appeared for the final semester examination can also apply, provided he / she has passed all the subjects up to and including the 6th semester exam (8th semester for B. Arch students)

Submission of Applications

Applications should be filled online logging on to the DTE website www.dtekerala.gov.in or www.cet.ac.in.

Allotment of seats

The seats will be filled, from among the candidates who have applied in this institution on the basis of their rank in the rank list published by DTE, by following the reservation policies as mentioned in the prospectus published by DTE. In the event any seats remaining vacant after the DTE allotment, they will be filled by conducting **spot admission at the college.**

Scholarship

Scholarship is available for candidates with valid GATE Score as per AICTE norms for the total period of 24 months
SC/ST students will be eligible for stipend as per Kerala State Government Rules.

Tuition Fee : Per semester tuition fee is **Rs. 25,000/-**

IMPORTANT DATES : Please refer college website www.mec.ac.in for details



The College :

Model Engineering College was established in 1989 by the Institute of Human Resource Development to provide quality engineering education in the industrial centre of Kerala. It was established as a self-financing college with a fair degree of autonomy. On its inception, Model Engineering College was the first self-financing college under the Government of Kerala and was the first college affiliated to CUSAT. The college is now affiliated to APJ Abdul Kalam Technological University. The passion for knowledge among students has resulted in the evolution of the college from a small unit into a prestigious institution with more than 100 faculties, 1500 students and 50 supporting staff

Contact Us :

Head of Department - Mechanical Engg

Phone: +91-484-2575370 (Office)/944-722-8784(Mob)

Email: hodme@mec.ac.in

Web: <http://me.mec.ac.in/>

