

# **MECHANICAL ENGINEERING**

## **DEPARTMENT OF MECHANICAL ENGINEERING**

**The department offers the undergraduate programme B.Tech (Mechanical Engineering) {4-years, Full Time} under Kerala Technological University from 2015 batch onwards and was under Calicut University (upto 2014 batch).**

**The total intake for the programme is 63 students (6 students will be admitted under lateral entry during third semester).**

**The vision and mission statements of the department are**

**VISION:** To be recognized for outstanding education and research in engineering and being a leader in this profession.

**MISSION:** Imparting quality education that will make the students innovative, entrepreneurial, globally competitive and successful in the fields of engineering and research. To provide state of the art research facilities for students and faculty through consultancies and linkages with nearby R&D institutions and industries. Commitment to continuous improvement in overall quality of teaching, research and service.

**The department is equipped with following laboratories**

- 1. Machine shop I and Machine shop II**
- 2. Basic Mechanical Engineering Workshop**

### **3. Thermal Engineering Lab I and II**

### **4. CADD Lab**

**Latest equipment and machineries, procured through Government, TEQIP-II and other funds such as NMEICT are used in the labs.**

**One of the major attraction is the 3-D Printer used in CADD Lab. The latest version of the software CATIA is used in the Lab.**

**Latest version of NASTRAN software is available for use of students in the Central Computing Facility.**

**The department library has got latest version books in Mechanical Engineering.**

**The department undertakes student projects from CERD under the guidance of highly qualified professors. One such project is the “Fabrication and Testing of Porous Structures” done by Third year students Abhijith K and Jishnu C under the guidance of Dr.A.Selvakumar.**

**The department arranges expert lectures with resource persons from reputed institutes like, IIT, NIT etc., and from industries like HAL, Dell, Six D solutions etc., to bring out the latest technologies to students. One such program was Six Dimensional Scanner used for 3D printing technologies.**

**The department students were taken to industrial visits of reputed industries like, FCRI Palakkad, HAL Bangalore, KSIC Mysore etc.**

**The department has conducted many internal faculty development programmes and permit staff to attend external faculty development programme to learn latest**

**technologies and to impart knowledge to students. Some of the programmes are**

**1. Latest Research methods**

**2. Effective Methods for Report Writing**

**3. Interpersonal Relationship and Emotional Intelligence**

**4. Recent Trends in Automobile Engineering**

**5. 3D Printing and Reverse Engineering Applications**

**6. Lab maintenance and Safety**







**FACULTY DETAILS**



