

NOTABLE ACHIEVEMENTS

- Pneumatically Operated Electronic Multipurpose Simulator (POEMS) project- Rs 66 Lakhs received from Air Force
- Faculty Exchange Program and Collaborative Research through MOU with Cape Breton University, Canada
- International Engineering Educator Certification Program conducted by IUCEE (USA), Microsoft & IGIP (Austria) trained Faculty.
- Our Faculty are trained with industry -BOSCH Rexroth AG Germany - RWTH Aachen University, Germany.



DEPARTMENT OF MECHANICAL ENGINEERING

B.Tech. Mechanical Engineering

B.Tech. Mechanical Engineering with

Specializations in
Robotics and Industrial Automation & Energy Engineering

M.Tech. Renewable Energy

Ph.D. (Full Time & Part Time)

VALUE ADDED
CERTIFICATION COURSES
DURING THE
ACADEMIC PERIOD FOR
MORE EMPLOYMENT
OPPORTUNITIES



- Robotics - Intermediate Level
- Automation / CNC Training
- Auto CAD / Pro-E / Solidworks
- Piping Software / MEP
- Non Destructive Testing
- Ansys / Mastercam

THINK
INNOVATE
TRANSFORM

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University)

Periyar Nagar, Vallam, Thanjavur - 613 403, Tamilnadu, India.

For more details, Visit
www.pmu.edu
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WHY STUDY MECHANICAL ENGINEERING?

Mechanical Engineering is one of the oldest branches of Engineering and it is also known as "mother" branch of Engineering. It involves design, development and production of machines and their system. Mechanical Engineering is the highly demanded and the highest ranked course in engineering branch. Mechanical engineers have huge potentials to get hired in both private and public sectors. They also have opportunities in overseas.

PROGRAMME OVERVIEW

- Well framed curriculum and syllabi covering all basics and advanced topics required for a good employment.
- Projects, industrial internships / visits / training, seminars, symposia and workshops for enhanced career prospects.

SCOPE OF THE DEPARTMENT

- Design and development of Mechanical Systems, Products and Structures

- Manufacturing and Quality Control
- Robotics and Industrial Automation
- Power plants, Refrigeration & Air conditioning
- Mining, Metals and Materials
- Automobile, Aerospace and Marine
- Energy and Environment

LEARNING AND DEVELOPMENT OPPORTUNITIES

- Value added programmes such as ANSYS, Pro/E, NDT, MASTERCAM, etc.
- Hands on training on equipments and machineries including CNC Milling and CNC lathe
- Training on latest automation technologies through the Centre of Excellence for Training and Research in Automation Technologies
- Student Executive Programme to understand resources and systems
- Guidance for placement and overseas higher studies
- Knowledge transfer and leadership development through Webinars, Seminars, Conferences, Symposia,

Workshops, Clubs and Societies.

- R&D financial support to students for taking up projects with innovation and societal application (like Solar power operated car, Eco challenger, Fluidized bed reactor, Multi wood cutter, Two wheeler for persons impaired with both arms, etc.)
- India's first educational institution that installed 200 kWe and 100 kWe biomass gasifier units to produce captive power of 300 KVA.

ABOUT SPECIALIZATION IN ENERGY ENGG

- The students will learn about different sources of energy, their utilization and conservation.
- More employment opportunities in Power plants (Solar, Thermal & Wind,

etc.) and industries related to Solar Photovoltaic, Solar Thermal and Energy storage systems.

ABOUT SPECIALIZATION IN ROBOTICS AND INDUSTRIAL AUTOMATION

- Offered with industry tie-up, the courses will be handled by industry experts.
- The students will learn about drives, sensors and operating systems for robots, design and programming of robots, etc.
- Great employment opportunities in next generation industries and in service robot concerns. The students can also take up R&D projects or become entrepreneurs.

PROMINENT ALUMNI TESTIMONIAL



G. Arun Prakash
Scientist, BrahMos,
New Delhi

The B.Tech. Mechanical Engineering Programme at PMIST, Thanjavur has been wonderful learning experience. I thank the Institution for giving me the opportunity to be a part of a prestigious Institution.



R. Sahaputhin
Quality Engineer,
Towell Engineering,
Kuwait

During My B.Tech. Mechanical Engineering study at PMIST, Thanjavur, I learned the power and effect of Team work. Now I am using this to get the work done in my Industry career.



Hariram
Pursuing Masters
at Carlton University,
Canada

I express my sincere gratitude to the Dept. of Mechanical Engg., PMIST, Thanjavur for helping me in realizing my dream. I would recommend this program for any self motivated student.