

Program Educational Objectives (PEO) - M.Tech (Thermal Engineering)

PEO 1 : Prepare Graduates with Good Analytical, Computational and Experimental Skills to Design and Develop Energy Efficient Systems for Sustainable Development

PEO 2 : Prepare Graduates with High Level of Technical Competency combined with Research and Complex Problem Solving Ability to Generate Innovative Solutions in Thermal Engineering and allied areas.

PEO 3 : Pursue Lifelong Learning for Career and Professional Growth with a Concern for Society and Environment.

PEO 4 : Inculcate Teamwork, Communication and Interpersonal Skills adapting to Changing Environments of Technology.

Program Outcomes - M.Tech (Thermal Engineering)

- a. Graduate will be able to Demonstrate and Apply in depth Technical Knowledge of Engineering in Design and Operation of various Thermal Systems.
- b. Graduate will be able to Design and Conduct Experiments, as well as to Organize, Analyze and Interpret Data to Produce Meaningful Conclusions and Recommendations.
- c. Graduate will be able to Identify, Formulate and Solve Complex Engineering Problems.
- d. Graduate will be able to Understand Professional, Legal and Ethical Issues and Responsibilities.
- e. Graduate will be able to Convey thoughts Effectively on the basis of acquired Soft Skills and Self Confidence for the Consistent and Effective Knowledge Sharing Process.
- f. Sensitive towards the Impact of Engineering Solutions in a Global, Economic, Environmental and Societal Context.
- g. Graduate will be able to Understand the Need for, and an ability to Engage in Life-Long Learning and Continual Updating of Professional Skills.
- h. Participate Effectively in Multidisciplinary Teams in both Leadership and Fellowship Roles throughout their association and Work with Welcomed Diversity.
- i. Establish themselves as Practicing Engineers/Professionals in their Careers and to Effectively and Economically Employ and Integrate Technology and people with appropriate consideration for Future.
- j. Graduate will be able to Develop an alternate Career as an Entrepreneur.