Department of Mechanical Engineering

Programme Educational Objectives and Programme Outcomes

Sl. No.	Programme Educational Objectives (PEOs)	Programme Outcomes (POs)
		The Mechanical Engineering Programme is designed to prepare graduates to attain the following program outcomes:
1	Apply their mechanical engineering education to address the full range of technical and societal problems with creativity, imagination, confidence and responsibility.	**Engineering knowledge**: To provide students with a sound foundation in mathematical, scientific and engineering areas necessary to achieve excellence in solving and analyzing engineering problems and to prepare them for graduate studies.
2 1	Serve as ambassadors for engineering by exhibiting the highest ethical and professional standards, and by communicating the importance and excitement of this dynamic field.	**Ethics:** An ability to function professionally with ethical response ability as an individual as well as in multidisciplinary teams with positive attitude. Commitment to address professional and ethical responsibilities including a respect for diversity
3	Retain the intellectual curiosity that motivates lifelong learning and allows for a flexible response to the rapidly evolving challenges of the 21st century.	**Build the Nation:** An ability to build the nation, by imparting technological inputs and managerial skills to become Technocrats and Entrepreneurs, build the attitude of developing new concepts on emerging fields and pursuing advanced education
4	Ability to identify, formulate and solve mechanical engineering problems based on data interpretation,design, experiment and analysis of results	**Design/development of solutions:** Design a system, component, or process to meet the desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety.

5	Develop awareness of the ethical, professional and environmental implications of work in a global and societal context	**Modern tool usage** : Use the techniques, skills, and modern engineering tools necessary for engineering Practice.
		Engineering in Society: The words "science and technology" are more easily understood and people have the impression that science and technology are directly applied to *society*.

PROGRAM SPECIFIC OUTCOMES

Sl.No.	Programme Specific Outcomes
1	Ability to apply the acquired Mechanical Engineering knowledge for the advancement of society and self.
2	Ability to implement the learned principles of Mechanical Engineering to analyze, evaluate and create more advanced mechanical systems or processes.
3	Apply their knowledge in the domain of engineering mechanics, thermal and fluid sciences to solve engineering problems utilizing advanced technology.
4	Successfully apply the principles of design, analysis and implementation of mechanical systems/processes which have been learned as a part of the curriculum.
5	Develop and implement new ideas on product design and development with the help of modern CAD/CAM tools, while ensuring best manufacturing practices.