

Department of Mechanical Engineering

Programme Outcomes (PO)

- a. Graduates will demonstrate basic knowledge in mathematics, science and engineering**
- b. Graduates will demonstrate the ability to design and conduct experiments, interpret and analyze data and report results.**
- c. Graduates will demonstrate the ability to design a mechanical system or a thermal system or a process that meets desired specification and requirements**
- d. Graduates will demonstrate ability to function on engineering and science laboratory teams, as well as on multidisciplinary design teams.**
- e. Graduates will demonstrate the ability to identify, formulate and solve mechanical engineering problems**
- f. Graduates will demonstrate an understanding of their professional and ethical responsibilities.**
- g. Graduates will be able to communicate effectively in both verbal and written forms.**
- h. Graduates will have the confidence to apply engineering solutions in global and societal context.**
- i. Graduates should be capable of self-education and clearly understand the values of life-long learning.**
- j. Graduates will be broadly educated and will have an understanding of the impact of engineering on society and demonstrate awareness of contemporary issues.**
- k. Graduates will be familiar with modern engineering software tools and equipment to analyze mechanical engineering problems.**
- l. Lifelong learning: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.**

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Programme Educational Objectives (PEO)

- 1. To prepare students for successful careers in industry that meet the needs of Indian and multinational companies with latest technical skills*
- 2. To develop the ability among students to synthesize data and technical concepts for application to product innovation, design & development and manufacturing.*
- 3. To provide opportunity for students to work as part of teams on multidisciplinary projects with communication skills*
- 4. To provide students with a sound foundation in the mathematical, scientific and engineering fundamentals necessary to formulate, solve and analyze engineering problems.*
- 5. To promote student awareness on lifelong learning and to introduce them to professional ethics and codes of professional practice.*

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Program Specific Outcomes (PSO)

Graduating student Shall be able to:

- a) Model, develop, simulate, analyze and optimize mechanical systems/processes with the help of modern tools and softwares
- b) Apply practical skills, knowledge in major streams such as thermal, design, manufacturing, industrial engineering and management