

Programme Outcomes

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Programme Outcomes are statements that describe what students are expected to know and be able to perform or attain by the time of graduation. These relate to the skills, knowledge, and behaviour that students acquire through the programme.

The graduate from this programme is expected to be able to:-

- PO1: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex mechanical engineering problems.- Engineering Knowledge
- PO2: Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principle of mechanical engineering knowledge. -Problem Analysis
- PO3: Utilize a systematic approach to design solution for complex engineering problem that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental consideration.- Design/Development of Solutions
- PO4: Conduct investigations of complex problem using research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions. - Investigation
- PO5: Create, select and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modelling, to complex engineering activities, with an understanding of the limitations. - Modern Tool Usage
- PO6: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and consequent responsibilities relevant to professional engineering practice.- The Engineer and Society
- PO7: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.- Environment and Sustainability
- PO8: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.- Ethics
- PO9: Communicate effectively on complex engineering activities with engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.- Communication
- P10: Function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings.- Individual and Team Work
- PO11: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.- Life Long Learning
- PO12: Demonstrate knowledge and understanding of engineering, management and entrepreneurship principles; and apply them effectively as a member and leader in a team to manage projects and in multidisciplinary environments.- Project Management and Finance