

PROGRAM OUTCOMES (PO)

PO Number	PO Type	Engineering graduates will be able to:
PO 1	Engineering Knowledge	Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
PO 2	Problem Analysis	Identify, formulate research literature and analyze complex engineering problems reaching sustainable conclusions using first principles of mathematics, natural sciences and engineering sciences.
PO 3	Design and Development of Solutions	Design solutions for complex engineering problems and design components or processes that meet specified needs with appropriate consideration for public health and safety, and cultural, societal and environmental considerations.
PO 4	Conduct Investigations of Complex Problems	Use research based – knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
PO 5	Modern Tool Usage	Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO 6	The Engineer and Society	Apply reasoning informed by contextual knowledge to assess societal, safety, health, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
PO 7	Environment and Sustainability	Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.

PO Number	PO Type	Engineering graduates will be able to:
PO 8	Ethics	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO 9	Individual and Team Work	Function effectively as an individual and as a member or leader in diverse teams and in multi disciplinary settings.
PO 10	Communication	Communicate effectively on complex engineering activities with the engineering community and 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.
PO 11	Project Management and Finance	Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multi disciplinary environments.
PO 12	Life – long Learning	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.

PROGRAM SPECIFIC OUTCOMES (PSO)

PSO	PSO Type	On satisfactory completion of the program, a student should be able to:
PSO 1	Employability	Establish a career in Mechanical and interdisciplinary areas
PSO 2	Specialization knowledge	Evolve engineering solutions to the problems of Design, Thermal, Manufacturing and Industrial engineering domains
PSO 3	Social worth	Apply the acquired knowledge in Mechanical Engineering for the betterment of society