

PROGRAM OUTCOMES

- PO1 *Engineering knowledge:*** An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- PO2 *Problem analysis:*** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 *Design / development of solutions:*** An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- PO4 *Conduct investigations of complex Problem:*** An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- PO5 *Modern tool usage:*** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modelling to complex engineering activities.
- PO6 *The engineer and society:*** Apply reasoning informed by the contextual knowledge to assess Societal, health, safety, legal, and cultural issues.
- PO7 *Environment and sustainability:*** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8 *Ethics:*** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9 *Individual and team work:*** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10 *Communication:*** Communicate effectively on complex engineering activities with the engineering community and with the society.
- PO11 *Project management and finance:*** An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to projects in multidisciplinary environments.
- PO12 *Life-long learning:*** Recognition of the need for, and ability to engage in, to resolve contemporary issues and acquire lifelong learning.