

Program Outcomes:

- Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, review research literature, and analyze complex electrical engineering problems reaching meaningful conclusions.
- Design/development of solutions: Design solutions for complex electrical engineering problems or processes that meet the specified needs considering public health, safety and environmental aspects.
- Conduct investigations of complex problems: Use research-based knowledge and research methods including, analysis and interpretation of data, to provide valid conclusions.
- Modern tool usage: Create, select, and apply appropriate techniques, resources, modern engineering and IT tools with an understanding of the limitations.
- The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues relevant to the professional engineering practice.
- Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts and need for sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics, responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, able to comprehend write effective reports design documentation, make impressive presentations; and give and receive clear instructions.
- Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work.
- Life-long learning: Recognize the need for and have the preparation and ability to engage in independent, life-long learning in the broadest context of technological change.