

Electrical Engineering Department

Program Outcome

1. An ability to apply knowledge of mathematics, science, and electrical engineering fundamentals for solving the engineering issues.
2. An ability to design and conduct experiments, as well as to analyze and interpret data.
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
4. An ability to function on multidisciplinary teams.
5. An ability to identify, formulates, and solves engineering problems.
6. An understanding of professional and ethical responsibility.
7. An ability to communicate effectively.
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
9. A recognition of the need for, and an ability to engage in lifelong learning.
10. A knowledge of contemporary issues.
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
12. An ability to model, analyzes, simulate, and design circuits and systems.
13. An ability to build, tests, and debug circuits and systems
14. An ability to use the principles of design to solve open-ended engineering problems.