













The Vision of Electrical Engineering Department is to be a model of excellence in technical education and research by producing world-class graduates with a great human value, who are prepared for life-long engagement in the rapidly changing opportunities of electrical engineering and related fields.

- To impart quality technical and scientific education to our students and produce engineers, technologists, scientists and citizens who will contribute meaningfully to the growth and development of the country
- To provide a comprehensive understanding of electrical engineering, built on a foundation of physical science, mathematics, computing and technology and to educate a new generation of Electrical Engineers to meet the future challenges.

To initiate the students to research-oriented teaching-learning environment in the Institute with a focus on excellence and innovation

Mission





Programme Educational Objectives

To provide the necessary backgroundin the field of Electrical Engineering to deal with engineering problems, to pursue higher education in various pecialization of electrical engineering and to excel as engineering professionals in industries.



B

To develop the ability to apply the technical knowledge obtained to solve real life problems and to develop the skilful workforce to carry out the consultancy services to the various related industries.

To develop a creative mindset towards innovation and entrepreneurship that serve to the need of the industry and society.





To grow the quality like skill, team work, leadership and professional ethics, thus contributing towards the growth and development of society.





Programme Outcomes

- **Engineering knowledge:** Ability to apply knowledge of science, mathematics, and engineering principles to solve electrical engineering problems.
- Problem analysis: Ability to define, identify, formulate and solve Electrical Engineering problems in the broad areas like electrical machines, measurement, power electronics, power systems and control systems.
- Design / Development of solutions: Ability to design solutions for system/sub-system that meet desire specification for electrical engineering.
- Conduct Investigations of Complex Problems: Ability to conduct experimental investigation, analyze, evaluate and interpret results in the field electrical circuit & measurement, electrical machines, power systems, control systems, power electronics & drives and microprocessor & microcontroller etc.
- Modern Tool Usage: Ability to use the techniques, skills, and modern engineering tools necessary for electrical engineering practice.
- The Engineer and Society: Ability to understand the impact of electrical engineering solutions in a global, economic, environmental, and societal context
- Environment and Sustainability: Ability to understand the sustainability of Electrical Engineering solutions and its impact on health, safety, cultural issues, environment and society.
- Ethics: Ability to an understanding of professional and ethical responsibility
- Team Work: Ability to function as an individual and as member in multidisciplinary teams.
- Communication: Ability to communicate effectively, write reports and make effective representation using available technique.
- Project Management and Finance: Ability to apply the knowledge and understanding of project management, Engineering resource management and cost analysis while implementing projects
- Life-long Learning: Ability to recognize the need for, and the concepts of learning to learn, and engage in lifelong learning.

