

## **VISION AND MISSION OF THE INSTITUTION**

### **Vision**

Become a globally recognized research and academic institution and thereby contribute to technological and socio-economic development of the nation

### **Mission**

To foster a culture of excellence in research, innovation, entrepreneurship, rational thinking and civility by providing necessary resources for generation, dissemination and utilization of knowledge and in the process create an ambience for practice-based learning to the youth for success in their careers.

## **VISION AND MISSION OF THE DEPARTMENT**

### **Vision**

To become a Department recognized for its ability to provide quality education to the students and make them excel in the domain of electrical engineering, with research proficiency and ethics, to meet the challenges from society.

### **Mission**

- To impart quality education and advancements in program of studies for producing engineers with scientific temperament and moral values in the field of electrical engineering
- To create and develop research culture with deep sense of commitment, so as to enable the industries to adopt the research outputs
- To enhance the technical dexterity, so as to find the suitable solutions in their respective domain, for welfare of the society

## **PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)**

The Programme Educational Objectives of the B.Tech.Electrical and Electronics Engineering are:

The graduates will

**PEO1:** have strong foundation in basic sciences and allied engineering along with profound knowledge in core engineering.

**PEO2:** obtain managerial qualities and become self-sustained by choosing career in core industries, allied fields, academics, entrepreneurship.

**PEO3:** pursue higher education, involve in research activities and exhibit intellectual skills with ethics through life-long learning to cater the societal needs.

## **PROGRAMME OUTCOMES (POs)**

At the end of the programme, graduate will be able to

**PO1:** Apply the knowledge of mathematics, science, engineering fundamentals and specialized engineering to obtain the solutions for the complex problems in the core domain.

**PO2:** Identify, formulate, do literature survey, analyze and obtain feasible solutions for complex engineering problems using the basic principles.

**PO3:** Design solutions for complex electrical and electronics engineering problems by keeping safety, economic, societal and environmental needs in view.

**PO4:** Apply contemporary computational concepts and tools to resolve the engineering problems with numerous possible solutions.

**PO5:** Create, select and apply appropriate techniques, resources and modern engineering tools to the complex problems in core domain, by considering the limitations.

**PO6:** Apply reasoning to assess societal, health, safety, legal and cultural issues by professional engineering practice along with immense responsibility.

**PO7:** Understand the impact of the professional engineering solutions in environmental contexts and share the knowledge for sustainable development of the society.

**PO8:** Discharge responsibilities in engineering fields with professional ethics and commitment.

**PO9:** Perform effectively as an individual and work as a team member or leader in blended settings to achieve common goals.

**PO10:** Communicate effectively and share the ideas with engineering community and society as well, while handling complex engineering problems.

**PO11:** Apply the knowledge of engineering and management principles to manage projects in multidisciplinary environments.

**PO12:** Engage independently in life-long learning to update the technical skills.