PROGRAM EDUCATIONAL OBJECTIVES

PEO1: Our graduates are committed to excel in the field of engineering and technology and develop skills required for the industry (both Electrical and Electronics).

PEO2: Our graduates will function ethically, responsively and remain alert about all-round development of their profession.

PEO3: Our graduates are continuously exposed to quality professional education, to become innovative and ready to take on challenges to meet the technological advancement with discipline, and be ready to contribute to the development of our country.

PEO4: Our graduates emerge out to become successful entrepreneurs and innovators.

PEO5: Our graduates sharpen their research skill and consultancy activities to meet out the global challenges and reforms.

PROGRAM SPECIFIC OUTCOMES

Engineering Graduates will be able to:

PSO1 Apply fundamental knowledge of Electrical, Electronics, and Computer Engineering concepts to analyze and design solutions for complex problems in Power systems and related fields.

PSO2 Employ suitable methodologies and modern tools to control and automate Industrial Electronic Systems.

PROGRAM OUTCOMES (POS)

Graduates of Electrical and Electronics Engineering will be able to:

PO1 Engineering knowledge: Apply knowledge of mathematics, science, engineering fundamentals, and electrical engineering to the solution of engineering problems.

PO2 Problem analysis: Identify, formulate, review literature and analyze Electrical and

Electronics engineering problems to design, conduct experiments, analyze data and interpret data.

PO3 Design /development of solutions: Design solution for electrical and Electronics engineering problems and design system component of processes that meet the desired needs with appropriate consideration for the public health and safety, and the cultural, societal and the environmental considerations.

PO4 Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions in electrical engineering.

PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to electrical engineering activities with an understanding of the limitations.

PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to electrical engineering practice.

PO7 Environment and sustainability: Understand the impact of the electrical engineering solutions in societal and environmental contexts, and demonstrate the knowledge and need for sustainable development.

PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the electrical and electronics engineering practice.

PO9 Individual and team work: Function affectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings in electrical engineering.

PO10 Communication: Communicate effectively on complex engineering activities with the engineering committee and with society at large, such as, being able to comprehend and write affective reports and design documentation, make effective presentations in electrical

engineering.

PO11 Project Management and finance: Demonstrate knowledge & understanding of the mechanical engineering principles and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments in electrical engineering.

PO12 Life- long learning: Recognize the need for, and the preparation and ability to engage in independent research and lifelong learning in the broadest contest of technological changes in electrical engineering.