

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING.

PROGRAMME OUTCOMES (PO)

Engineering Graduates will be able to:

PO1- Engineering knowledge: Apply knowledge of mathematics, science, Engineering fundamentals, to solve Electrical Engineering problems.

PO2- Problem analysis: Identify, formulate, analyse and interpret data to meet desired needs in Electrical Engineering

PO3-Design/development of solutions: Design, evaluate and find suitable solution for complex problems in the field of Electrical and Electronics engineering.

PO4- Conduct investigations of complex problems: Assess real-life engineering problems related to Electrical and Electronic Systems and arrive at solutions through research methods

PO5-Modern tool usage: Select, and apply appropriate techniques, resources, and modern engineering tools including prediction and modeling to engineering applications.

PO6-The Engineer and society: Function as socially responsible engineers, who can apply their fundamental knowledge to assess societal ,health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7-Environment and sustainability: Understand the impact of the engineering solutions in societal and environmental perspectives for sustainable development.

PO8-Ethics: Apply ethical principles and responsibilities during professional practice.

PO9- Individual and team work:. Function effectively as an individual, and as a team leader or member in multidisciplinary environment.

PO10- Communication: Communicate effectively with engineering community and the society at-large, such as ,being able to comprehend and write effective reports and make effective presentations.

PO11- Project management and finance; Understand engineering principles and management principles to plan and execute multidisciplinary projects.

PO12- Life -long learning: Practice in life-long learning to meet the demands of technological changes that relate to engineering as a whole and Electrical and electronics Engineering in particular.

PROGRAM SPECIFIC OUTCOME

PSO.1 : The application of fundamental knowledge to identify, formulate and investigate various real time problems of Electrical Machines, Power Electronics, Control System, Instrumentation System, Power System and Power Electronic systems.

PSO 2: Able to provide socially acceptable technical solutions to complex electrical engineering problems with the application of modern and appropriate techniques for sustainable development.

PSO3: Professionally and ethically solve various Electrical Engineering problems in society.

PSO 4:Design, develop and implement electrical, electronics and allied interdisciplinary projects to meet the demands of industry and to provide solutions to the current real time problems.

PROGRAMME EDUCATIONAL OBJECTIVES

The program educational objectives (PEOs) of the BTech programme in Electrical and Electronics Engineering are as follows:

PEO 1 -To produce competent Electrical Engineering graduates with a solid foundation in engineering, design analytics and problem solving skills for flourishing professional careers in industry, academia, and public service.

PEO 2 -To fulfill the needs of society in solving technical problems using engineering principles, tools and practices, in an ethical and responsible manner

PEO 3-To provide stimulating research environment to them so that they feel motivated for higher studies and innovations in the specific and allied domains of Electrical Engineering.

PEO 4 - To demonstrate leadership skills in the workplace and function professionally in a globally competitive world.