Vision: To achieve excellence in Electronics and Telecommunication Engineering by creating competent and skilled graduates for the welfare of society

Mission:

● Facilitate students with necessary academic preparations in Electronics and Telecommunication Engineering for higher pursuits

● Inculcate team spirit through technical and extension activities

● Promote creativity, innovation and research culture in faculty students for meeting global challenges

● Create ethical and social professionals in the field of Electronics and Telecommunication Engineering

Program Educational Objectives (PEOs):

PEO1: To create a strong base in Mathematics, Sciences and Engineering fundamentals required to solve Electronics and Telecommunication problems

PEO2: To impart necessary applied engineering knowledge so as to comprehend, analyze, design and create modern products for real life complex engineering problems in the field of Electronics and Telecommunication

PEO3: To impart good communication skills, teamwork and leadership qualities and create ethical professionals concerned about the impact of engineering solutions on environment and society

Program Outcomes (POs):

Engineering Graduates will be able to:

PO1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

PO2: Problem Analysis: Identity, formulates, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design / development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and 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.

PO5: Modern tool usage: Create, select and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex 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 the professional engineering practice.

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

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

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

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering 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.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs):

Graduates of E&TC department will be able to

PSO1: Design and develop Embedded systems to provide solutions in the field of Electronics and Telecommunication Engineering.

PSO2: Apply and analyze Communication Engineering fundamentals in the field of wired and wireless communications and networking.

PSO3: Apply cutting-edge technology in Robotics and Internet of Things.