ELECTRONICS AND COMMUNICATION ENGINEERING

Vision of the Department

To become a pinnacle of academic excellence and develop focused Electronics and Communication Engineering graduates with knowledge and endeavoring to attain ability to face real world challenges.

Mission of the Department

M1: To offer Academic excellence through concept building and focused efforts.

M2: To provide skill development opportunities through projects in cutting edge technologies.

M3: To develop real world problem solving skills through industry institute interactions, collaborative and team activities.

Program Educational Objectives (PEOs)

PEO 1: The Graduates shall have technical competency to excel in professional career.

PEO 2: The Graduate shall design and develop solutions for real world problems using modern tools and technologies.

PEO 3: The Graduates shall have effective practical skills to build solutions with team spirit and following ethical practices.

Program Specific Outcome (PSOs)

PSO 1. Students become aware of recent Electronics and Communication Engineering systems and technologies.

PSO 2. Students become enabled to develop moderate level applications using electronics hardware and software tools.

PSO3. Students become ready to work in industry.

Program Outcome

PO1	Engineering Knowledge: Apply knowledge of mathematics and science, with fundamentals of Electronics and Communication Engineering to be able to solve complex engineering problems related to ECE.
PO2	Problem Analysis: Identify, Formulate, review research literature and analyze complex engineering problems related to ECE and reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences
PO3	Design/Development of solutions: Design solutions for complex engineering problems related to ECE 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 knowledge and new 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 Information Technology tools including prediction and modeling to Electronics and Communication related 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 ECE professional engineering practice
PO7	Environment and Sustainability: Understand the impact of the ECE professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development
PO8	Ethics: Apply Ethical Principles, commit to professional ethics, 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 able to comprehend and

	with 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 management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multi-disciplinary environments
PO12	Life-Long Learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning the broadest context of technological change