PROGRAM EDUCATIONAL OBJECTIVES

PEO 1: Pursue Successful career in Industry, Research by applying contemporary Science, Engineering and Technical Skill with professional ethical values.

PEO 2: Apply the Technical Skills, Analyze the Requirements, Prepare Technical Specific designs and provide novel Engineering Solutions with Ethics.

PEO 3: Work in Multidisciplinary teams with effective Interpersonal skills to develop Sustainable Solutions for Industry and Society.

PEO 4: Adopt the Recent Emerging Technologies and become a lifelong learner to analyze and produce efficient product designs.

PROGRAM SPECIFIC OUTCOMES

	PSOs	Level	Proficiency Assessed by
PSO1	**Professional Skills:** An ability to understand the basic concepts in Electronics & Communication Engineering and to apply them to various areas, like Electronics, Communications, Signal Processing, VLSI & Embedded Systems etc., in the design and implementation of complex systems.	H	Lectures, Assignments
PSO2	**Problem-Solving Skills:** An ability to solve complex Electronics and communication Engineering problems using latest hardware and software tools along with analytical skills to arrive cost effective and appropriate solutions.	H	Projects
PSO3	**Successful Career, Entrepreneurship and Social Values:** An understanding of social awareness & environmental wisdom along with ethical responsibility to have a successful career and to sustain passion and zeal for real world applications using optimal resources as an Entrepreneur.	L	Guest Lectures

PROGRAM OUTCOMES

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

2. **Problem Analysis**: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. **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.

4. **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.

5. **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.

6. **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.

7. **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.

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

9. **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. **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.

11. **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.

12. **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.