**Vision of the Institute**

To emerge as a premier institute for high quality professional graduates who can contribute to economic and social developments of the Nation.

**Mission of the Institute**

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| **Mission** | **Statement** |
| **IM1** | To have holistic approach in curriculum and pedagogy through industry interface to meet the needs of Global Competency. |
| **IM2** | To develop students with knowledge, attitude, employability skills, entrepreneurship, research potential and professionally ethical citizens. |
| **IM3** | To contribute to advancement of Engineering & Technology that would help to satisfy the societal needs. |
| **IM4** | To preserve, promote cultural heritage, humanistic values and spiritual values thus helping in peace and harmony in the society. |

**Vision of the Department**

To impart quality technical education in Electronics and Communication with accent on creativity, innovation and research thereby producing competent engineers who can meet global challenges with societal commitment.

**Mission of the Department**

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| **Mission** | **Statement** |
| **DM1** | To impart quality education to students in Basic Sciences, Mathematics, Electronics and Communication Engineering through innovative teaching-learning processes. |
| **DM2** | To facilitate students to define, design, and solve engineering problems in the field of Electronics and Communications Engineering using various Electronic Design Automation (EDA) tools. |
| **DM3** | To encourage research culture among faculty and students thereby facilitating them to be creative and innovative through constant interaction with R & D organizations and Industry. |
| **DM4** | To inculcate teamwork, imbibe leadership qualities, professional ethics and social responsibilities in students and faculty. |

**Program Educational Objectives:**

**PEO1:** Graduates with fundamental and advanced knowledge in Sciences, Mathematics and in Engineering Subjects of Electronics, Communication and allied Engineering to become globally competent with a flair for lifelong learning.

**PEO2:** Graduates capable in design, develop creative and innovative technologies in the field of Electronics and Communication Engineering, enabling them to work in multi-disciplinary teams to meet the societal needs.

**PEO3:** Graduates with professional values, ethics, positive attitude, communication skills, latest technological awareness to ensure sustainable development and to succeed in their chosen profession.

**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:** Identify, formulate, 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 context, 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 network:** 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, 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 able to engage in independent and life-long learning in the broadest context of technological change.

**Program Specific Outcomes (PSOs)**

**PSO1.** An ability to understand the concepts of basic Electronics & Communication Engineering and to apply them to various areas like Signal processing, VLSI, Embedded Systems, Digital & Analog Devices, etc.

**PSO2.** An ability to solve complex Electronics & Communication Engineering problems, using latest hardware and software tools, along with analytical skills to arrive at cost effective and appropriate solutions.

**PSO3.** Wisdom of social and environmental awareness 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.