Vision & Mission of the Institute

VISION

To achieve excellent standards of quality education by keeping pace with rapidly changing technologies and create technical manpower of global standards with capabilities of accepting new challenges.

MISSION

Our efforts are dedicated to impart quality and value based education to raise satisfaction level of all stake-holders. Our strength is directed to create competent professionals. Our endeavour is to provide all possible support to promote research and development activities.

VISION AND MISSION OF DEPARTMENT OF ELECTRONICS ENGINEERING

Vision

- To achieve excellent standards of quality education by keeping pace with rapidly changing technologies.
- To create technical manpower of global standards in electronics engineering with capabilities of accepting new challenges.

Mission

- To impart quality and value based education to raise satisfaction of all stake holders.
- To create competent professionals who are trained in the design and implementation of engineering systems and to contribute towards the advancement of engineering, science and technology
- Our endeavor is to provide all possible support to promote research & development activities in the field of electronics engineering and allied areas.

DEPARTMENT OF ELECTRONICS ENGINEERING

Programme Educational Objectives (PEOs)

The educational objectives of the Electronics Engineering programme are designed to produce competent engineers who are ready to contribute effectively to the advancement of electronics engineering causes and to accommodate the needs of the profession. The graduates shall:

1. Apply their technical skills to find solution of complex problems encountered in modern electronics engineering practice.
2. Function effectively in the world of rapidly changing technologies in the broad context of electronics engineering and to develop new products and technologies in service to mankind.
3. Take up higher studies in electronics and allied areas in engineering & management.
4. Use their skills in ethical and professional manner to contribute to research & development of innovative products.

Programme Outcomes:

The programme is targeted at developing the following competencies, skills and abilities amongst students. They shall be able to:

1. Apply knowledge of mathematics, science, generic engineering skills and core engineering to electronics engineering applications and system design.
2. Identify, formulate, and solve electronics engineering problems by using research-based knowledge and standard processes including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
3. Design engineering systems at component/process level to meet desired needs with appropriate consideration for the public health and safety.
4. Conduct investigations of problems, locate, search and select relevant data from datasheets, standard databases and literature review, open ended experiments, reverse engineering and testing in order to provide valid conclusions and carry out demand driven research activities and innovation.
5. Use appropriate techniques, skills, and modern engineering tools including simulation and modeling necessary for defining engineering problems with hypothesis.
6. Understand professional responsibility by applying reasoning and knowledge to assess health, safety, legal, contemporary and cultural issues and the consequent responsibilities relevant to the professional engineering practice, ethics and code of conduct defined by leading professional society like IEEE.
7. Understand the impact of the professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.
8. Demonstrate knowledge & understanding of engineering management principles, finance & project management.
9. Communicate effectively with engineering community and society at large through technical report writing, design documentation, project reports, effective presentations and to give and receive clear instructions.
10. Engage in life-long learning by adapting to rapidly changing technologies of electronics engineering and allied areas.