



## ELECTRICAL ENGINEERING DEPARTMENT

### M.Tech (Electronics and Telecommunication)

#### PROGRAM EDUCATIONAL OBJECTIVES

- ✓ Students to succeed in employment, profession and/or to pursue research education in Electronics and Telecommunication Engineering.
- ✓ To provide students with a solid foundation in mathematical, scientific and engineering fundamentals required to formulate, analyze & solve engineering problems related to Electronics and Telecommunication Engineering.
- ✓ Students to exhibit knowledge for innovate, create and design electronic and Telecommunication engineering systems.
- ✓ To inculcate in students professional and ethical attitude, effective communication skills and teamwork to become a successful professional in global perspective.

#### PROGRAM OUTCOMES (POs)

**At the end of Post Graduate Program, students will have**

- ✓ Sufficient knowledge of mathematics, science and Electronics and Telecommunication Engineering to apply this knowledge for modeling and solving Electronics and Telecommunication Engineering problems by using modern engineering tools, software's and equipment.
- ✓ Ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability.
- ✓ An ability to design, develop and test electronics systems in the areas related to analog and digital electronics, signal processing, embedded systems and VLSI design, antenna design in microwave applications and communication networking
- ✓ Develop an ability for life-long learning to communicate effectively in both verbal and written form.
- ✓ Be aware of current good practices of electronic and communication engineering for sustainable development.
- ✓ Demonstrate commitment to ethical and professional responsibilities.
- ✓ Be aware of a professional engineer's social, cultural, global and environmental responsibilities.