

# **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Year of establishment: 1997**

**Program: M.Tech in Electronics Design and Technology**

## **Program Educational Objectives (PEOs)**

**On completion of M. Tech in Electronics Design and Technology, the students will be**

- **PEO-1: Proficient in terms of software and hardware knowledge enabling them to evolve innovative solutions for specific problems in larger social context.**
- **PEO-2: Able to identify, formulate and solve real life problems through innovative design approaches utilizing the fundamentals and concepts acquired.**
- **PEO-3: Able to conduct independent research and develop an interest towards interdisciplinary research to solve real life engineering problems in an innovative way with an interdisciplinary approach.**
- **PEO-4: Able to design systems by optimizing the resource utilization in order to minimize carbon footprint and extend product length with a view to obviate environmental load.**

## **Program Outcomes (POs)**

**Graduates will develop**

- **PO-1: An ability to independently carry out research /investigation and development work to solve practical problems.**
- **PO-2: An ability to write and present a substantial technical report/document.**
- **PO-3: A degree of mastery over the field of Electronics Design and Technology. This mastery will be at a level higher than the requirements in the appropriate bachelor program.**

## **Program Specific Outcomes (PSOs)**

**The graduates will be able**

- **PSO-1: To evolve creative solutions and develop prototype to effectively communicate the essence of the proposed solutions.**
- **PSO-2: To design and develop reliable electronic product with value addition for industrial applications.**