

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Year of establishment: 1997

Program: M.Tech in Bioelectronics

Program Educational Objectives (PEOs)

On completion of M. Tech in Bioelectronics, the students will be

- **PEO-1; Skilled to work in Educational, Research & Development institutes, industry and as an entrepreneur in the domain of bioelectronics.**
- **PEO-2: Equipped to pursue research in relevant areas of Bioelectronics within the country and abroad as well as develop competence for independent research and lifelong learning.**
- **PEO-3: Able to analyze the technical problems and develop viable, optimal, environmentally and socially relevant technical knowledge and modern tools while working individually or in team settings.**
- **PEO-4: Able to demonstrate an ability to communicate effectively and practice professional ethics and social responsibility in context of the above points.**

Program Outcomes (POs)

The 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 Bioelectronics. 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: Demonstrate the understanding of the principles and working of the hardware and software aspects of bioelectronics systems.**
- **PSO-2: Utilize advances in sciences and technology for solving problems in the areas of healthcare engineering.**
- **PSO-3: Carry out independent and collaborative research with strategic planning in cutting edge areas at the interface of microbiology and microelectronics.**