

## **Program Educational Objectives of M. Tech (Biomedical Instrumentation)**

**PEO1:** Practice the knowledge of Instrumentation and Control Engineering and allied and related fields.

**PEO2:** Demonstrate technical, communication skills and team spirit along with leadership qualities to pursue career in broad areas of instrumentation and Control Engineering, biomedical Instrumentation

**PEO3:** Engage in life-long learning through independent study and research.

**PEO4:** Undertake responsibilities for societal, environmental and ethical causes.

### **Program Outcomes of M. Tech - Biomedical Instrumentation**

**PO1:** Acquire knowledge of Instrumentation and Control Engineering with ability to evaluate, analyze and synthesize knowledge related to Biomedical Instrumentation.

**PO2:** Analyze complex problems related to Instrumentation and Control Engineering and synthesize the information for conducting research.

**PO3:** Think laterally to solve problems related to Instrumentation and Control Engineering with emphasis on Biomedical Instruments/devices/equipment and provide / suggest a range of solutions considering health, safety, societal, and environmental factors.

**PO4:** Extract knowledge through literature survey, experimentation and appropriate research methodology, techniques and tools.

**PO5:** Learn and use contemporary tools for solving problems related to Biomedical Instrumentation, measurement analysis and Control etc.

**PO6:** Understand group dynamics and rational analysis in order to achieve common goals.

**PO7:** Ability to write clearly and to document own work for effective utilization.

**PO8:** Engage in life-long learning and learning through mistakes with / without external feedback.

**PO9:** Understand the impact of research and responsibility in order to contribute to the society.

**PO10:** Understand the role of a leader, leadership principles and attitude conducive to effective professional practice of Instrumentation and Control Engineering.