

M Tech Biomedical Instrumentation

Program Education Objectives (PEOs):

Program Educational Objectives for M Tech (Biomedical Instrumentation) are as follows:

- **PEO1:** Practice the knowledge of Instrumentation and Control Engineering and allied /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 (POs):

On successful completion of the Program, engineering graduates will be able to:

PO1: Engineering Knowledge of subject: An ability to independently carry out research /investigation and development work to solve practical problems in the area of Medical Instrumentation.

PO2: Technical Writing: Ability to write and present a substantial technical report/document

PO3: Problem Analysis: Students should be able to demonstrate a degree of mastery over the area of Biomedical Instrumentation

PO4: Engineering and Society: Learn and use a variety of medical sensors, data acquisition systems, physiological models and telemedicine to readily provide innovative solutions to the day-to-day problems related to medical field.

PO5: Leadership: To function efficiently in various capacities as members, leaders, and decision makers in multi-disciplinary teams to accomplish projects of different magnitudes.

PO6: Life-long learning: Would have recognized the need for engaging themselves in independent and life-long learning in the broadest context of technological change.