

## **POs for M.tech In Biomedical Signal Processing and Instrumentation**

PO1: An ability to independently carry out research /investigation and development work to solve practical problems

PO2: An ability to write and present a substantial technical report/document

PO3: Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program

PO4: The graduates will have a good understanding for the need of life long learning and will be able to work in teams, plan and execute tasks leading to end results.

PO5: To apply knowledge of science, mathematics and general ability to the problems around and come up with executable solutions for the same.

## **PEOs**

The program educational objectives (PEOs) of the M. Tech programme in Biomedical Signal Processing and Instrumentation in Department of Biomedical Engineering are as follows:

- 1.To produce globally capable graduates in the domain of biomedical Signal Processing and Biomedical Instrumentation with knowledge in the areas of electronics engineering signal processing and instrumentation, design analytics and problem solving skills for success in professional careers in health care industry, academia and public service.
- 2.To produce graduates motivated towards research and innovations in the broad area of biomedical signal processing by providing a stimulating research and learning environment.
3. To encourage the graduates to practice the profession following ethical codes, social responsibility and accountability.
- 4.To imbibe in the graduates an attitude for life-long learning process.

## **Program Specific Outcomes (PSO)**

**PSO1:**Identify, analyse and design biomedical applications required for medical domain and research pursuits.

**PSO2:** Apply the concepts of signal processing and instrumentation techniques to address the problems of healthcare.