

**PEOs**

- To enable the pursuit of knowledge in the field of Biomedical engineering and contribute to the profession and employability of the students.
- To engage in research, generate the employment through entrepreneurship and work effectively in multidisciplinary environment.
- To understand the human, social, ethical and environmental context of their profession and contribute positively to the needs of individuals and society.

**PSOs**

- Apply advanced science and engineering to solve the problems at the interface of engineering and healthcare.
- Demonstrate understanding of the principles and working of the hardware and software aspects of biomedical systems.
- Use professional and ethical practices, strategies and tactics for the development, operation and maintenance of biomedical technologies.
- Provide effective and efficient real time solutions using acquired knowledge in various domains.

**POs**

- Ability to apply knowledge of mathematics, science and engineering for the solution of Biomedical engineering problems.
- Ability to formulate and analyze complex Biomedical engineering problems.
- Ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, and public health.
- Ability to design and conduct experiments, and to analyze and interpret data.
- Ability to use the techniques, skills, and modern engineering tools necessary for Biomedical engineering practice.
- Ability to include societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- Ability to consider the impact of engineering solutions on environment and the need for sustainable development.
- Ability to incorporate professional ethics, responsibilities and norms of the engineering practice.
- Ability to work effectively as an individual, and as a member or leader in multidisciplinary environment.
- Ability to communicate effectively on complex engineering activities.

- Knowledge and understanding of principles of management and finance in relation to Biomedical engineering projects.
- Appreciation of technological change and the need for independent life-long learning.