Biomedical Engineering

Program Outcomes

1. Engineering Knowledge: Apply math, science, and engineering fundamentals to complex problems.

2. Problem Analysis: Identify and analyze complex problems using research and sustainability principles.

3. Design Solutions: Design systems and processes considering health, safety, cost, culture, and environment.

4. Investigations: Use experiments, modelling, and data analysis to reach valid conclusions.

5. Engineering Tools: Apply modern tools for modelling and problem-solving, recognizing their limits.
6. Society & Environment: Assess societal, legal, and environmental impacts of engineering solutions.
7. Ethics: Commit to ethics, human values, diversity, and legal compliance.

8. Teamwork: Work effectively as an individual and in multidisciplinary teams.

9. Communication: Communicate clearly in reports, presentations, and documentation across diverse groups.

10. Management & Finance: Apply management and economic principles in projects and teamwork.
11. Lifelong Learning: Engage in continuous learning, adapt to new technologies, and think critically.

Program Specific Outcomes:

1. To design, develop, and analyze biomedical devices and systems for real time Applications.

2. Utilize modern computational tools, instrumentation, and biomedical imaging Techniques in the health sectors.

3. To keep pace with advancements in biomedical technology and demonstrate Research aptitude, collaborate effectively in teams and uphold ethical practices