

**PROGRAMME EDUCATIONAL OBJECTIVES:**

- To learn engineering knowledge and problem analysis skills to design and develop solutions for computer science and engineering problems.
- To address the feature engineering with the usage of modern IT and Software tools.
- To acquire and practice the profession with due consideration to environment issues in conformance with societal needs and ethical values.
- To manage projects in multidisciplinary environments as a member and as a leader with effective communications.
- To engage in life-long learning in the context of ever changing technology.

PROGRAMME OUTCOMES:

Upon the completion of programme, the student will be able to

1. **Engineering knowledge:** Apply and integrate the knowledge of computing to computer science and engineering problems.
2. **Problem Analysis:** Identify, formulate and analyze complex engineering problems using computer science and engineering knowledge.
3. **Design/Development of solutions:** Design and develop components or processes to engineering problems as per specification with environmental consideration.
4. **Conduct Investigations of complex problems:** Interpret and integrate information to provide solutions to real world problems.
5. **Modern tool usage:** Select and apply modern engineering and information technology tools for complex engineering problems
6. **The engineer and Society:** Assess and responsible for societal, health, safety, legal and cultural issues in professional practice.
7. **Environment and Sustainability:** Understand the impact of computing solutions in the context of societal, environmental and economical development.
8. **Ethics:** Commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function as an individual, as a member or leader in multidisciplinary environment.
10. **Communication:** Acquire effective written and oral communication skills on technical and general aspects.
11. **Project management and finance:** Apply engineering and management principles to manage projects in multidisciplinary environments.
12. **Life-Long learning:** Identify the need of self-learning and life-long learning in the broad context of technological evolution.

PROGRAM SPECIFIC OUTCOMES:

Upon the completion of programme, the student will be able to

1. Familiar with open-ended programming environments to develop software applications.
2. Apply the knowledge of Computer System Design, Principles of Algorithms and Computer Communications to manage projects in multidisciplinary environments.