

**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

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

PROGRAM SPECIFIC OUTCOME:

1. Familiarity and practical competence using open-ended programming environments to develop software applications.

Prepared by:	Reviewed & forwarded:	Reviewed & Approved by	Issue Date: 18.08.2017
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