

## Department of Electronics & Communication Engineering

### Programme Educational Objectives and Programme Outcomes

Sl. No.	Programme Educational Objectives (PEOs)	Programme Outcomes (POs)
		On Completion of the programme Graduates will be able to:
1	To provide students with the strong foundation knowledge and to engage them in lifelong learning and self-education.	<b>Applying engineering knowledge:</b> An ability to apply knowledge of computing and mathematics appropriate to the discipline.
2	To encourage teamwork, technical writing, oral communication skills and professional development.	<b>Identification and analysis of problem:</b> An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.
3	To prepare graduates who will be successful professionals in industry, government, academia, research.	<b>Design/implementation of solutions:</b> To design, implement and evaluate a computer based process or program to meet the desired requirements.
4	To develop an ability to analyze the requirements of the software, understand the technical specifications, design and provide solutions for a product designs.	<b>Conduct investigations of complex problems:</b> Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5	To prepare the students for a successful career and work with values & social concern.	<b>Resource and tool usage:</b> Selection and application of appropriate techniques, resources, and IT tools
6		<b>The engineer and society:</b> Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

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		On Completion of the programme Graduands will be able to:
7		<b>Environment and sustainability:</b> An ability to analyze the local and global impact of computing on individuals, organizations, and society.
8		<b>Team work:</b> Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings
9		<b>Communication:</b> Write effective reports and design documentation, make effective presentations to effectively communicate with wide range of audience.
10		<b>Project management and finance:</b> Apply the engineering and management principles to one's own work, as a member and leader in a team, to manage projects.
11		<b>Life-long learning:</b> An ability to engage in lifelong learning in the context of technological change.

### PROGRAM SPECIFIC OUTCOMES

Sl.No.	Programme Specific Outcomes
1	Students will have a foundation of computer systems. Students can assess the hardware and software aspects of computer systems.
2	Students will have a foundation of software development. Students will have the ability to design, develop, test and maintain application software that satisfies the customer requirements.
3	Applications of Computing and Research Ability: Ability to use knowledge in various domains to provide solution to new ideas and innovations

