SCHOOL OF ENGINEERING AND TECHNOLOGY
SRI PADMAVATI MAHILA VISVAVIDYALAYAM, TIRUPATI
(WOMEN'S UNIVERSITY)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PROGRAM EDUCATIONAL OBJECTIVES – B.Tech (ECE)

PEO1: To acquire a strong background in basic sciences and mathematics and ability to use these tools in electronics and communication engineering.

PEO2: To develop the ability to demonstrate technical competence in electronics and communication engineering and develop solutions to the problems in various areas of electronics and communication engineering.

PEO3: To attain professional excellence through life-long learning.

PEO4: To attain the qualities of professional leadership to deliver effectively in a multi-disciplinary team and domain.

PEO5: To produce graduates who ensure ethical and moral behaviour

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PROGRAM OUTCOMES – B.TECH (ECE)

Engineering Graduates will be able to

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems: 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.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

Ms. M. Krupa Swaroopa Rani	Dr. P. Satyanarayana	Dr. R.V. Satyanarayana	Dr. A. Ramakrishna Rao
Coordinator (ECE)	BoS Chairman (I/C) (ECE)	BoS Chairman (ECE)	Director, SE&T

PO6: The engineer and society: 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.

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PROGRAM SPECIFIC OUTCOMES - B.TECH (ECE)

PSO1: To analyse, design and develop solutions by applying foundational concept of electronics and communication engineering.

PSO2: To apply design principles and innovative practices for developing quality products for science and business applications.

PSO3: To adapt emerging information and communication technologies (ICT) to innovate ideas and solutions to existing problems.

SCHOOL OF ENGINEERING AND TECHNOLOGY
Sri Padmavati MahilaVisvavidyalayam
Department of Electronics & Communication Engineering

B.TECH (ECE)

H – HIGH   **M – MODERATE**   **L– LOW**

1. PROGRAM EDUCATIONAL OBJECTIVES (PEOs)– PROGRAMOUTCOMES (POs) MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
PEO1	H	M	-	-	H	-	-	-	-	L	L	L
PEO2	H	-	H	L	-	-	-	-	-	-	L	M
PEO3	-	-	-	-	-	L	H	-	-	-	-	H
PEO4	-	-	-	-	-	-	-	L	H	-	M	-
PEO5	-	-	-	-	-	-	-	H	L	M	-	-

2. PROGRAM EDUCATIONAL OBJECTIVES (PEOs) – PROGRAMSPECIFICOUTCOMES (PSOs)MAPPING

	PSO1	PSO2	PSO3
PEO1	H	M	L
PEO2	M	H	L
PEO3	-	L	H
PEO4	L	M	H
PEO5	-	M	H

3. PROGRAM EDUCATIONAL OBJECTIVES (PEOs)– MISSIONSTATEMENTS MAPPING

	M1	M2	M3	M4
PEO1	H	M	-	-
PEO2	-	H	M	-
PEO3	-	L	M	H
PEO4	-	-	L	H
PEO5	-	-	L	H

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