

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

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs) – M.Tech

PEO-1: The program will develop in-depth knowledge to analyze, formulate and provide solutions for real time problems in the field of power electronics.

PEO-2: Ability to peruse advanced research in emerging areas of power electronics and industrial drives.

PEO-3: To enhance analytical skills to solve complex problems using soft controllers those are technically sound, economically feasible and socially acceptable.

PEO-4: To exhibit professionalism, ethical attitude, team work and adapt to current trends in their day to day affairs.

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PROGRAM OUTCOMES – M.Tech

PO1: Apply the knowledge of science and mathematics in designing, analyzing and using power Converters for various industrial and domestic applications.

PO2: Design the modern electric machines, drives, power converters, and control circuits for Specific application.

PO3: Use modern tools, professional software platforms, embedded systems for the Diversified Applications, to write and present a substantial technical report/document.

PO4: An ability to independently carry out research/ investigation and development work to solve Practical problems.

PO5: Solve the problems which need critical and independent thinking to show reflective Learning.

PO6: Students should be able to demonstrate a degree of mastery over the area as per the Specialization of the program. The mastery should be at a level higher than the Requirements in the appropriate bachelor program

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PROGRAMME SPECIFIC OUTCOMES (PSOs) – M.Tech

PSO 1: Apply fundamental knowledge to identify, formulate, design and investigate various problems in the field of power electronics & drives.

PSO 2: Apply modern software tools for design, simulation and analyze of various power converters.

PSO 3: Solve ethically & professionally various problems in societal and environmental context and communicate effectively.

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(M.Tech)

H-HIGH

M-MEDIUM

L-LOW

1. PROGRAM EDUCATIONAL OBJECTIVES (PEOs) - PROGRAM OUTCOMES (POs) MAPPING

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 |
|-------------|------------|------------|------------|------------|------------|------------|
| PEO1 | L | H | L | M | - | H |
| PEO2 | M | M | H | H | L | L |
| PEO3 | H | L | - | - | L | M |
| PEO4 | L | - | - | - | H | M |

2. PROGRAM EDUCATIONAL OBJECTIVES (PEOs) - PROGRAM SPECIFIC OUTCOMES (PSOs) MAPPING

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

3. PROGRAM EDUCATIONAL OBJECTIVES (PEOs) – MISSION STATEMENT MAPPING

| | M1 | M2 | M3 |
|-------------|-----------|-----------|-----------|
| PEO1 | H | M | L |
| PEO2 | M | M | L |
| PEO3 | L | M | H |
| PEO4 | L | - | H |