

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

PROGRAM EDUCATIONAL OBJECTIVES – M.TECH (MD)

PEO 1: Undertake design of machines/components /process to meet desired specifications of need and constraints.

PEO 2: Apply principles and concepts in design engineering to produce quality design in tune with needs of industries.

PEO 3: Use modern engineering tools for analysing and solving practical problems of industry and society.

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PROGRAM OUTCOMES – M.TECH (MD)

Engineering Post Graduates will be able to

- PO1:** An ability to independently carry out research / investigation and development work to solve practical problems.
- PO2:** An ability to write and present a substantial technical report /document
- PO3:** 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.
- PO4:** Apply advanced level knowledge, techniques, skills and modern tools in the field of Machine Design to critically assess the emerging technological issues.
- PO5:** Have abilities and capabilities in developing and applying computer software and hardware to mechanical design and manufacturing fields.
- PO6:** Conduct experimental and / or analytical study and analyzing results with modern mathematical / scientific methods and use of software tools.
- PO7:** Design and validate technological solutions to defined problems and recognize the need to engage in lifelong learning through continuing education.

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PROGRAM SPECIFIC OUTCOMES – M.TECH (MD)

PSO 1: Design within realistic constraints.

PSO 2: Apply design engineering principles and concepts.

PSO 3: Use modern design engineering tools.

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Sri Padmavati Mahila Visvavidyalayam
Department of Mechanical Engineering

M.TECH

3 – HIGH 2- MEDIUM 1 – LOW

Program Educational Objectives - Program Outcomes Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
PEO1	-	-	H	-	M	-	L
PEO2	-	-	M	M	H	L	-
PEO3	-	-	L	H	M	M	H

Program Educational Objectives - Program Specific Outcomes Mapping

	PSO1	PSO2	PSO3
PEO1	L	M	H
PEO2	M	H	L
PEO3	L	M	H

Mission Statement - Program Educational Objectives Mapping

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