



School of Engineering
Department of Electrical and Electronics Engineering
(M. Tech-Electric Vehicle Technology)

Department Vision:

To achieve academic excellence in Electrical and Electronics Engineering through quality education, innovative research, and societal engagement, while nurturing ethical values, professional competence, and lifelong learning to serve regional, national, and global needs.

Department Mission:

Mission 1: To provide a dynamic learning environment that imparts strong fundamentals and advanced technical knowledge in Electrical and Electronics Engineering through outcome-based education.

Mission 2: To promote research, innovation, entrepreneurship, and interdisciplinary collaboration to develop sustainable and technology-driven solutions to societal and industrial challenges.

Mission 3: To cultivate critical thinking, ethical values, leadership qualities, and professional competencies among students for successful careers and lifelong learning.

Mission 4: To engage with industry, alumni, and community for enhancing practical exposure, employability, and societal contribution through outreach and collaborative activities.

Program Educational Objectives (PEOs):

PEO1: Graduates will build successful careers in Electric Vehicle Technology and related industries using advanced technical knowledge and modern engineering tools.

PEO2: Graduates will pursue higher studies, research, innovation, entrepreneurship, and lifelong learning to address emerging challenges in sustainable transportation and energy systems.

PEO3: Graduates will develop efficient, eco-friendly, and intelligent solutions in electric mobility, battery systems, charging infrastructure, power electronics, and smart transportation technologies.

Program Outcomes (POs):

PO	Statement
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:	Keep abreast with the latest technologies, tools, and advancements in area as per the specialization of the program
PO5:	Design and develop efficient, reliable, and sustainable solutions.
PO6:	Develop the skills and competencies required to build a successful career in area as per the specialization of the program.



Head of Department

(Signature & Seal)

Head of the Department
Electrical & Electronics Engineering
Madanapalle Institute of Technology & Science
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