MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

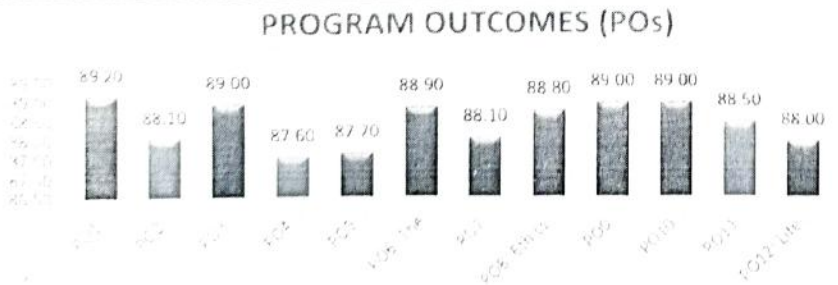
Graduate Survey-2024

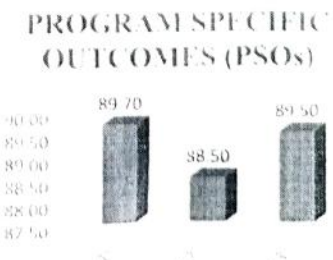
Programme: **B.Tech.** Branch : **Electrical & Electronics Engineering**

https://www.quia.com/sv/1215684.html

A-To a Great Extent B-To a Moderate Extent C-To a Slight Extent D-To a Very Extent E-To a Very little Extent

Course Outcomes : At the end of course, the student will be able to	A	B	C	D	E	Att. of Cos	
PROGRAM OUTCOMES (POs) At the end of the programme, graduate will be able to						**Att.**	**% of Att.**
PO1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialisation for the solution of complex engineering problems.	118	64	13	2	3	0.89	89.20
PO2: Problem Analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	108	73	12	6	1	0.88	88.10
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 public health and safety, and cultural, societal, and environmental considerations.	115	65	16	3	1	0.89	89.00
PO4: Conduct investigations of complex problems: Use research-based knowledge including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	109	66	20	2	3	0.88	87.60
PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.	117	58	13	9	3	0.88	87.70
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.	114	67	14	4	1	0.89	88.90
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.	113	64	16	5	2	0.88	88.10
PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norm of the engineering practice.	116	63	17	1	3	0.89	88.80
PO9: Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	118	63	12	5	2	0.89	89.00
PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with t h e 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.	115	65	15	5	0	0.89	89.00
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.	114	65	15	4	2	0.89	88.50
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.	112	67	14	3	4	0.88	88.00
PROGRAM SPECIFIC OUTCOMES (PSOs) The Electrical and Electronics Engineering Graduates will be able to							
PSO 1: Facilitate technical solutions for different power issues to maintain the stability and reliability of Power Systems.	123	60	12	1	4	0.90	89.70
PSO 2: Control the various power electronics converters, electrical machines / drives used in industry.	114	65	16	2	3	0.89	88.50
PSO 3: Understand various computational tools / methods for the design and analysis of various electrical systems.	121	61	12	4	2	0.90	89.50





Faculty Incharge

Dr V B Thurai Raaj

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Head of the Department Electrical & Electronics Engineering