



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
NAAC Accredited with A+ Grade, NIRF India Rankings 2021 - Band: 201-250 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, CST, ECE, EEE, MECH), MBA & MCA



Course Code and Name	Overall CO Attainment Levels					PO & PSO Attainment Levels														
	CO 1	CO 2	CO 3	CO 4	CO 5	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
20EEE105 Electromagnetic Fields	1.7	1.4	2.4	1.4	2.7	1.6	1.6	1.5	1.3									2.4	1.8	1.3
20EEE106 Digital Electronics	2.5	2.7	2.2	2.5	2.5	2.4	2.4	2.5	2.1	1.7							1.6	2.4	2.2	
20EEE107 Induction and Synchronous Machines	1.9	2.2	1.9	1.9	1.9	1.7	1.7	1.6	1.2								1.1	2.0	1.4	1.4
20EEE108 Control Systems	2.5	2.5	2.0	2.5	3.0	2.4	2.4	2.2	2.1	1.8							2.1	2.2	1.6	2.1
20EEE205 Digital Electronics Laboratory	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.3	3.0				3.0	3.0		2.8		2.7	2.4
20EEE206 Induction and Synchronous Machines Laboratory	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.5	2.5					3.0	3.0		2.0	2.7	2.6	2.0
20EEE207 Control Systems Laboratory	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.6	2.0	3.0				3.0	3.0		2.6	2.5	3.0	2.4
20EEE601 Electrical Home Laboratory	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.7		2.0	2.3			3.0	3.0			2.6	2.5	
20EEE109 Power Systems – I	2.5	2.7	2.5	2.2	1.4	2.1	2.1	2.5	1.2	2.1			1.5				1.7	2.0		1.9
20EEE110 Power Electronics	2.4	2.4	2.5	2.4	2.4	2.2	2.2	2.1	1.5	1.5							2.1	2.3	2.2	1.5
20EEE111 Micro-controllers and Interfacing	2.5	2.0	2.4	2.2	2.4	2.1	2.1	2.0	1.6	2.1					2.1	2.1	2.1	2.3	1.8	1.8
20EEE402 Industrial Electrical Machines	3.0	2.5	2.5	2.2	2.5	2.4	2.4	2.2										2.4	1.6	1.7



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20EEE403 Special Electrical Machines	1.4	2.0	2.4	1.4	2.0	1.6	1.7	2.0										1.6	1.3	1.7
20EEE404 Electrical Safety	1.9	2.2	1.9	1.9	2.7	1.9	1.7	1.8					2.1	1.7				1.8		
20EEE208 Power System – I Laboratory	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	3.0				3.0	3.0		2.0	3.0		2.6
20EEE209 Micro-controllers and Interfacing Laboratory	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	1.6	2.4				2.4	2.4		1.6			1.9
20EEE602 Data Structuress using Python	3.0	3.0	3.0	3.0	3.0	3.0	2.5	2.6		3.0				2.4	2.6		2.6			
20EEE701 - Summer Internship-I	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.8	2.0	3.0	2.0	2.0	2.0	3.0	3.0	2.3	2.2	3.0	2.7	3.0
20EEE112 Measurements and Transducers -- 20EEE112	3.0	2.7	3.0	3.0	1.9	2.6	2.6	2.7	2.7	2.6							2.4	2.9	1.7	2.3
20EEE113 Signals and Systems - 20EEE113	3.0	2.2	1.4	1.9	1.7	1.8	1.8	2.0	2.0	2.2								2.5		1.5
20EEE114 Power Systems – II (Analysis) - 20EEE114	2.5	1.7	2.0	2.5	1.4	1.8	1.8	1.9										1.8		1.8
20ME4M06 -Non-Conventional Energy Resources (MOOCS)	1.4	1.4	1.4	1.4	1.4	1.0	1.0	0.9			0.7	0.7	0.9					0.9	0.7	
20EEE210 Measurements and Transducers Laboratory	3.0	3.0	3.0	3.0	0.0	3.0	3.0	2.5		3.0				3.0	3.0		2.0	3.0		
20EEE211 Power Systems – II Laboratory	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0				3.0	3.0		2.0	2.5	2.3	3.0



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20EEE212 Power Electronics Laboratory	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.7		3.0				3.0	3.0		2.0	2.5	3.0	3.0
20EEE603 IoT	3.0	3.0	2.7	3.0	3.0	2.9	2.5	2.2		2.9				2.9	2.5					
20EEE408 Electric Hybrid Vehicles	1.9	1.9	2.7	2.2	1.4	1.8	1.8	1.6	1.6								1.7	1.6	1.2	
20EEE409 Switch Gear & Protection	2.4	1.7	3.0	1.7	2.7	2.1	2.1	1.8	1.4								1.4	1.8		1.9
20EEE415 Wind and Solar Energy Systems	2.2	1.4	2.7	2.0	2.7	2.0	2.3	2.3	2.3									2.3	2.0	
20IE3M06 Learning Analytical Tools	1.4	1.4	1.4	1.4	1.4	1.0	0.9	0.9		1.0								0.9		
20CSEM07 Introduction to Machine Learning	1.4	1.4	1.4	1.4	1.4	1.0	0.9	0.8		0.9								0.9		
20EEE604 Programming for EEE	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.7		3.0		2.0	2.3	2.0	2.0	2.0	2.2	3.0	2.5	2.3
20EEE702 Summer Internship-2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.5	2.0	2.7	2.3	2.5	3.0	2.5	3.0	2.8	3.0
20EEE703-Project Work / Internship	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.3	3.0	2.3	2.8	2.5	2.8	2.8	2.3	3.0	3.0	2.3	2.3
						2.29	2.28	2.18	1.79	2.46	1.97	1.88	1.94	2.74	2.76	2.34	2.06	2.29	2.05	2.06

Program Coordinator

Head of the Department
Electrical & Electronics Engineering
Madanapalle Institute of Technology & Science
MADANAPALLE - 517 325



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	CO 1	CO 2	CO 3	CO 4	CO 5	CO 1	CO 2	CO 3	CO 4	CO 5	CO 1	CO 2	CO 3	CO 4	CO 5
20EEE206 Induction and Synchronous Machines Laboratory	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
20EEE207 Control Systems Laboratory	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
20EEE601 Electrical Home Laboratory	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
20EEE109 Power Systems – I	2.4	2.6	2.4	2.0	1.0	3.0	3.0	3.0	3.0	3.0	2.5	2.7	2.5	2.2	1.4
20EEE110 Power Electronics	2.2	2.2	2.4	2.2	2.2	3.0	3.0	3.0	3.0	3.0	2.4	2.4	2.5	2.4	2.4
20EEE111 Micro-controllers and Interfacing	2.4	1.8	2.2	2.0	2.2	3.0	3.0	3.0	3.0	3.0	2.5	2.0	2.4	2.2	2.4
20EEE402 Industrial Electrical Machines	3.0	2.4	2.4	2.0	2.4	3.0	3.0	3.0	3.0	3.0	3.0	2.5	2.5	2.2	2.5
20EEE403 Special Electrical Machines	1.0	1.8	2.2	1.0	1.8	3.0	3.0	3.0	3.0	3.0	1.4	2.0	2.4	1.4	2.0
20EEE404 Electrical Safety	1.6	2.0	1.6	1.6	2.6	3.0	3.0	3.0	3.0	3.0	1.9	2.2	1.9	1.9	2.7
20EEE208 Power System – I Laboratory	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
20EEE209 Micro-controllers and Interfacing Laboratory	2.4	2.4	2.4	2.4	2.4	3.0	3.0	3.0	3.0	3.0	2.5	2.5	2.5	2.5	2.5
20EEE602 Data Structures using Python	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
20EEE701 - Summer Internship-I	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
20EEE112 Measurements and Transducers -- 20EEE112	3.0	2.6	3.0	3.0	1.6	3.0	3.0	3.0	3.0	3.0	3.0	2.7	3.0	3.0	1.9
20EEE113 Signals and Systems - 20EEE113	3.0	2.0	1.0	1.6	1.4	3.0	3.0	3.0	3.0	3.0	3.0	2.2	1.4	1.9	1.7
20EEE114 Power Systems – II (Analysis) - 20EEE114	2.4	1.4	1.8	2.4	1.0	3.0	3.0	3.0	3.0	3.0	2.5	1.7	2.0	2.5	1.4
20ME4M06 -Non-Conventional Energy Resources (MOOCS)	1.0	1.0	1.0	1.0	1.0	3.0	3.0	3.0	3.0	3.0	1.4	1.4	1.4	1.4	1.4
20EEE210 Measurements and Transducers Laboratory	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	0.0



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	CO 1	CO 2	CO 3	CO 4	CO 5	CO 1	CO 2	CO 3	CO 4	CO 5	CO 1	CO 2	CO 3	CO 4	CO 5
20EEE211 Power Systems – II Laboratory	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
20EEE212 Power Electronics Laboratory	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
20EEE603 IoT	3.0	3.0	2.6	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.7	3.0	3.0
20EEE408 Electric Hybrid Vehicles	1.6	1.6	2.6	2.0	1.0	3.0	3.0	3.0	3.0	3.0	1.9	1.9	2.7	2.2	1.4
20EEE409 Switch Gear & Protection	2.2	1.4	3.0	1.4	2.6	3.0	3.0	3.0	3.0	3.0	2.4	1.7	3.0	1.7	2.7
20EEE415 Wind and Solar Energy Systems	2.0	1.0	2.6	1.8	2.6	3.0	3.0	3.0	3.0	3.0	2.2	1.4	2.7	2.0	2.7
20IE3M06 Learning Analytical Tools	1.0	1.0	1.0	1.0	1.0	3.0	3.0	3.0	3.0	3.0	1.4	1.4	1.4	1.4	1.4
20CSEM07 Introduction to Machine Learning	1.0	1.0	1.0	1.0	1.0	3.0	3.0	3.0	3.0	3.0	1.4	1.4	1.4	1.4	1.4
20EEE604 Programming for EEE	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
20EEE702 Summer Internship-2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
20EEE703-Project Work / Internship	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

Program Coordinator

HoD

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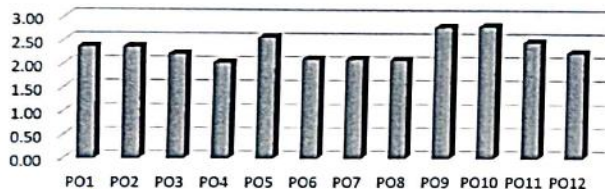


DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Overall POs & PSOs Attainment of 2020 - 21 entry batch (2023-24 Passed out batch)

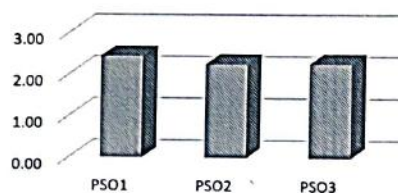
Survey	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Employer Survey	2.00	3.00	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Alumni Survey	3.00	2.00	2.00	3.00	3.00	2.00	3.00	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Graduate Survey	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
In -Direct PO Attainment	2.67	2.67	2.33	3.00	3.00	2.67	3.00	2.67	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Direct PO Attainment	2.29	2.28	2.18	1.79	2.46	1.97	1.88	1.94	2.74	2.76	2.34	2.06	2.29	2.05	2.06
Overall Attainment in Level	2.37	2.36	2.21	2.03	2.57	2.11	2.11	2.09	2.79	2.81	2.47	2.25	2.43	2.24	2.25

Department of EEE 2020 - 24 Batch Overall POs attainment



Program Coordinator

Department of EEE 2020 - 24 Batch Overall PSOs attainment



Pay
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Department of Electrical & Electronics Engineering
Analysis of attainment of POs & PSOs for 2020-2024 B. Tech batch

Sl. No.	POs & PSOs	Overall PO attainment	Attainment Target	Remarks
1.	PO1	2.37	2.25	Attained
2.	PO2	2.36	2.25	Attained
3.	PO3	2.21	2.25	Not Attained
4.	PO4	2.03	2.25	Not Attained
5.	PO5	2.57	2.25	Attained
6.	PO6	2.11	2.25	Not Attained
7.	PO7	2.11	2.25	Not Attained
8.	PO8	2.09	2.25	Not Attained
9.	PO9	2.79	2.25	Attained
10.	PO10	2.81	2.25	Attained
11.	PO11	2.47	2.25	Attained
12.	PO12	2.25	2.25	Attained
13.	PSO1	2.43	2.25	Attained
14.	PSO2	2.24	2.25	Not Attained
15.	PSO3	2.25	2.25	Attained

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