



Madanapalle Institute of Technology & Science, Madanapalle


Department of Electrical and Electronics Engineering

COs Attainment of 2016- 17 entry batch (2019-20 Passingout batch)



Course Code and Name	% CO attainment through Direct analysis					% Course Exit Survey					Overall % CO Attainment					Overall CO attainment Level				
	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	CO 1	CO 2	CO 3	CO 4	CO 5
14MAT103 Differential Equations & Laplace Transforms	65	59	76	80	70	73	74	81	75	74	67	62	77	79	71	1	1	2	2	2
14HUM101 Principles of Economics	81	79	64	73	60	70	71	83	69	73	79	78	68	72	63	2	2	1	2	1
14EEE102 Network Analysis	58	57	50	59	56	75	75	71	70	72	61	60	54	61	59	1	1	0	1	0
14EEE103 Electrical Machines	57	51	57	62	61	75	66	70	70	75	61	54	60	63	64	1	0	0	1	1
14EEE104 Digital Design	46	34	48	53	38	80	77	75	76	75	53	42	54	57	46	0	0	0	0	0
14EEE105 Electronic Devices	46	34	48	53	38	71	69	70	75	76	51	41	53	57	46	0	0	0	0	0
14EEE201 Electric Circuits Practical's	69	69	69	69	69	82	90	91	92	94	72	73	73	74	74	2	2	2	2	2
14EEE202 Electronics Practical's	87	87	87	87	87	93	91	93	89	91	88	88	88	87	88	3	3	3	3	3
14MAT104 Probability & Statistics	55	63	75	69	74	84	87	91	78	85	61	68	78	70	77	1	1	2	2	2
14HUM102 Principles of Management	73	77	67	69	65	85	84	87	83	88	75	78	71	72	70	2	2	2	2	1
14EEE106 Electromagnetic Theory	43	43	43	43	43	90	86	85	86	77	52	52	51	52	50	0	0	0	0	0
14EEE107 Microprocessors & Interfacing	48	60	53	75	68	85	87	79	83	83	55	65	58	76	71	0	1	0	2	2
14EEE108 Control Systems	54	73	63	65	64	87	84	86	82	83	60	75	67	68	68	1	2	1	1	1
14EEE109 Analog Electronics	73	62	70	53	58	87	89	83	83	84	76	67	73	59	63	2	1	2	0	1
14EEE203 Microprocessors & Interfacing Practical's	85	85	85	85	85	88	86	83	87	90	86	85	85	86	86	3	3	3	3	3
14EEE204 Electrical Machines Practical's	79	79	79	79	79	86	87	90	87	87	81	81	81	81	81	3	3	3	3	3
14EEE110 Object Oriented Programming	54	65	76	49	62	84	84	89	86	80	60	69	78	56	66	0	1	2	0	1
14EEE111 Electrical Measurements & Instrumentation	80	68	41	66	72	83	86	89	86	82	80	72	51	70	74	3	2	0	2	2
14EEE112 Power Systems (MOOCS)	70	70	70	70	70	82	89	80	84	84	72	74	72	73	73	2	2	2	2	2
14EEE113 Power Electronics	74	49	59	53	69	85	78	78	80	81	76	54	63	59	71	2	0	1	0	2
14EEE114 Signals & Systems	58	46	57	54	49	81	87	77	80	76	63	54	61	59	54	1	0	1	0	0
14EEE205 Control Systems Practicals	82	82	82	82	82	81	87	77	80	76	81	83	81	81	80	3	3	3	3	3
14EEE206 Analog Electronics Practical's	71	71	71	71	71	80	79	82	80	80	73	72	73	73	73	2	2	2	2	2
14ENG103 Soft Skills	71	83	85	77	76	83	85	83	76	78	73	83	85	77	76	2	3	3	2	2
14EEE115 Special Electrical Machines	82	80	51	66	55	81	81	76	82	82	82	81	56	69	61	3	3	0	1	1
14EEE116 Power System Analysis and Control	67	64	73	73	88	80	80	80	80	80	70	68	74	74	86	1	1	2	2	3
14EEE117 Digital Signal Processing	48	47	60	54	74	79	76	86	90	91	54	53	66	61	78	0	0	1	1	2
Non conventional Energy sources (MOOCS)	78	78	78	78	78	---	---	---	---	---	78	78	78	78	78	2	2	2	2	2
14EEE207 Power Electronics Practical's	90	90	90	90	90	83	88	86	90	91	89	90	90	90	91	3	3	3	3	3
14EEE208 Object Oriented Programming Practical's	93	93	93	93	93	79	76	86	83	88	90	90	92	91	92	3	3	3	3	3
14EEE118 Electrical Drives	61	79	42	63	60	88	86	90	91	88	66	81	52	69	66	1	3	0	1	1
14EEE119 Engineering Optimization	62	61	71	72	71	88	86	90	91	88	67	66	75	76	74	1	1	2	2	2
14EEE120 Electric Power Utilization and Illumination	75	81	64	46	65	81	81	76	82	82	76	81	67	53	69	2	3	1	0	1
14EEE404 Switchgear and Protection	65	72	55	59	53	89	85	90	90	92	70	75	62	65	60	1	2	1	1	1

14EEE209 Digital Signal Processing Practical's	98	98	98	98	98	92	97	98	99	97	97	98	98	98	98	3	3	3	3	3
14EEE210 Power systems Practical's	98	98	98	98	98	89	85	90	90	92	96	95	96	96	97	3	3	3	3	3
Wind Electrical Systems	72	67	81	73	84	80	81	78	82	82	74	70	80	74	84	2	2	3	2	3



Signature of Faculty Incharge



Signature of HoD

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



Signature of Principal

PRINCIPAL
 Madanapalle Institute of Technology & Science
 PO Box NO 14, Kadiri Road, Angallu
 MADANAPALLE 517 325 A P



Madanapalle Institute of technology & Science, Madanapalle

Department of Electrical and Electronics Engineering

COs, POs & PSOs Attainment of 2016 - 17 entry batch (2019-20 Passingout batch)



Course Code and Name	% CO attainment					PO ATTAINMNET - DIRECT															
	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	
14MAT103 Differential Equations & Laplace Transforms	67	62	77	79	71	71	70	71	71												
14HUM101 Principles of Economics	79	78	68	72	63						79		71	73	74	73	70				68
14EEE102 Network Analysis	61	60	54	61	59	59	60	59	61	59								60	59	59	
14EEE103 Electrical Machines	63	56	62	65	62	62	61	61	61			63						61	62	62	
14EEE104 Digital Design	53	42	54	57	46	50	51	51	49	46	55								52	48	
14EEE105 Electronic Devices	51	41	53	57	46	49	49	49	49			51		49				57	52	55	
14EEE201 Electric Circuits Practical's	72	73	73	74	74	73	73	73	73					73	73				74	73	
14EEE202 Electronics Practical's	88	88	88	87	88	88	88	88	88				88	88	88	88					
14MAT104 Probability & Statistics	61	68	78	70	77	70	74	71	70									73	78	70	
14HUM102 Principles of Management	75	78	71	72	70						75		73	74	74	74	73				71
14EEE106 Electromagnetic Theory	52	52	51	52	50	51	51	51	51									52	51	51	
14EEE107 Microprocessors & Interfacing	55	65	58	76	71	64	65	65	60						65	62		63	61	63	
14EEE108 Control Systems	60	75	67	68	68	68	67	68	67	68								68	68	69	
14EEE109 Analog Electronics	76	67	73	59	63	67	68	68	68	65									68	68	
14EEE203 Microprocessors & Interfacing Practical's	86	85	85	86	86	86	86	86	85						86	86		85	85	85	
14EEE204 Electrical Machines Practical's	81	81	81	81	81	81	81	81	81					81				81	81	81	
14EEE110 Object Oriented Programming	60	69	78	56	66	66	67	66	66	66				67	67	67			67	71	
14EEE111 Electrical Measurements & Instrumentation	80	72	51	70	74	68	72	70	69	69					70	74	80				75
14EEE112 Power Systems (MOOCS)	72	74	72	73	73	73	73	73	73									73	73	72	
14EEE113 Power Electronics	76	54	63	59	71	63	65	65	65	61								62	63	59	
14EEE114 Signals & Systems	63	54	61	59	54	59	58	58	58	59								58	56	57	
14EEE205 Control Systems Practicals	81	83	81	81	80	81	81	81	81	81				81	81			80	81	81	
14EEE206 Analog Electronics Practical's	73	72	73	73	73	73	73	73	73						73				73	73	
14ENG103 Soft Skills	73	83	85	77	76									77	80	78	76	79			
14EEE115 Special Electrical Machines	82	81	56	69	61	70	70	71	70									69	70	71	
14EEE116 Power System Analysis and Control	70	68	74	74	86	74	73	73	70									73	72	72	
14EEE117 Digital Signal Processing	54	53	66	61	78	45	40	48	26	47								30	34	35	
Non conventional Energy sources (MOOCS)	78	78	78	78	78	78	72	47	65	62	65	78				68		61	78	59	
14EEE207 Power Electronics Practical's	89	90	90	90	91	90	90	90	66						70			72	90	72	
14EEE208 Object Oriented Programming Practical's	90	90	92	91	92	91	91	91	67						71			73	91	73	
14EEE118 Electrical Drives	66	81	52	69	66	61	67	67	62										67	44	
14EEE119 Engineering Optimization	67	66	75	76	74	62	63	63	67							63		48	72	48	
14EEE120 Electric Power Utilization and Illumination	76	81	67	53	69	64	64	64	64	65						60		60	69	61	
14EEE404 Switchgear and Protection	70	75	62	65	60	62	62	61	62									62		63	
14EEE209 Digital Signal Processing Practical's	97	98	98	98	98	85	85	78	33	98				65	65			72	97	98	

14EEE210 Power systems Practical's	96	95	96	96	97	83	83	77	64	96				64	64			71	96	97
Wind Electrical Systems	74	70	80	74	84	62	61	61	61	60		49						72	70	66
2016 - 20 BATCH OVERALL POs & PSOs ATTAINMNET PERCENTAGE=						69	69	68	65	67	69	60	77	72	73	72	76	65	70	67
2016 - 20 BATCH OVERALL POs & PSOs ATTAINMNET LEVEL =						1	1	1	1	1	1	1	2	2	2	2	2	1	2	1



Signature of Faculty Incharge



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 MADANAPALLE - 517 325



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 Madanapalle Institute of Technology & Science
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Analysis of attainment of POs & PSOs for 2016-2020 B. Tech batch as per rubrics

(3rd Autonomous batch)


Table : Rubrics for Program Outcome


Program Outcome: <i>Will give professional quality oral presentations.</i>				
Skill 90-100%	Superior 80-90%	Good 70-80%	Adequate 60-70%	Inadequate Less than 60%
<i>Developed the skill.</i>	Developed the skill appropriate by knowing Why, How, Where and when.	Developed skill appropriate but only knows basics	Skill developed but either does not know entirely or accurately	Either know little or does not know.


Table: Analysis of attainment of POs & PSOs for 2014-2018 B. Tech batch as per rubrics

Sl. No.	POs & PSOs	Attainment (%)	Attainment Target (%)	Remark as per rubrics
1.	PO1	69	80	Adequate
2.	PO2	69	80	Adequate
3.	PO3	68	80	Adequate
4.	PO4	65	80	Adequate
5.	PO5	67	80	Adequate
6.	PO6	69	80	Adequate
7.	PO7	60	80	Adequate
8.	PO8	77	80	Good
9.	PO9	72	80	Good
10.	PO10	73	80	Good
11.	PO11	72	80	Good
12.	PO12	76	80	Good
13.	PSO1	65	80	Adequate
14.	PSO2	70	80	Good
15.	PSO3	67	80	Adequate

All POs and PSOs have been attained Adequate and Good.


Faculty In-charge


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Madanapalle Institute of Technology & Science
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MADANAPALLE - 517 325 A.P.



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS)

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Department of Electrical & Electronics Engineering

Analysis of attainment of POs & PSOs for 2016-2020 B. Tech batch
(3rd Autonomous batch)

Sl. No.	POs & PSOs	Direct attainment (%)	Attainment Target (%)	Remark
1.	PO1	69	80	Not Attained
2.	PO2	69	80	Not Attained
3.	PO3	68	80	Not Attained
4.	PO4	65	80	Not Attained
5.	PO5	67	80	Not Attained
6.	PO6	69	80	Not Attained
7.	PO7	60	80	Not Attained
8.	PO8	77	80	Not Attained
9.	PO9	72	80	Not Attained
10.	PO10	73	80	Not Attained
11.	PO11	72	80	Not Attained
12.	PO12	76	80	Not Attained
13.	PSO1	65	80	Not Attained
14.	PSO2	70	80	Not Attained
15.	PSO3	67	80	Not Attained

Programme Coordinator

HoD

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

Principal
PRINCIPAL

Madanapalle Institute of Technology & Science
PO Box NO 14, Kadiri Road, Angallu
MADANAPALLE 517 325 A P