



Madaripalle Institute of technology & Science, Madaripalle
Department of Electrical and Electronics Engineering



COs Attainment of 2015- 19 batch

Course Code and Name	% CO attainment though 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	68	69	83	79	69	85	81	85	79	86	71.72	71.24	83.40	78.68	72.72	2	2	3	2	2
14HUM101 Principles of Economics	86	68	68	80	71	79	84	77	81	80	84.28	70.88	69.80	80.36	72.80	3	2	1	3	2
14EEE102 Network Analysis	62	55	62	68	72	76	77	76	79	73	64.48	59.08	64.80	70.36	72.36	1	0	1	2	2
14EEE103 Electrical Machines	67	72	47	72	51	86	85	82	79	81	70.64	74.92	53.68	73.56	56.68	2	2	0	2	0
14EEE104 Digital Design	41	51	60	51	46	81	80	79	79	80	48.84	56.96	63.80	56.76	52.48	0	0	1	0	0
14EEE105 Electronic Devices	75	74	67	86	67	78	80	81	78	82	75.60	75.20	70.12	84.08	70.00	2	2	2	3	1
14EEE201 Electric Circuits Practical's	86	86	86	86	86	82	81	83	84	85	85.36	85.16	85.56	85.76	85.96	3	3	3	3	3
14EEE202 Electronics Practical's	86	86	86	86	86	84	83	84	81	83	85.44	85.24	85.44	84.84	85.24	3	3	3	3	3
14MAT104 Probability & Statistics	59	69	70	68	81	74	73	86	82	89	62.00	69.48	73.52	70.48	82.92	1	1	2	2	3
14HUM102 Principles of Management	75	71	77	82	77	78	78	76	84	78	75.28	72.72	76.64	82.72	77.04	2	2	2	3	2
14EEE106 Electromagnetic Theory	62	81	74	76	74	81	79	77	78	86	65.80	80.28	74.44	76.72	76.24	1	3	2	2	2
14EEE107 Microprocessors & Interfacing	49	83	62	76	48	77	82	76	79	82	54.76	83.12	64.80	76.92	55.12	0	3	1	2	0
14EEE108 Control Systems	75	76	64	56	73	85	75	84	86	77	76.68	75.48	67.68	62.32	73.48	2	2	1	1	2
14EEE109 Analog Electronics	69	77	55	55	71	77	80	81	71	80	70.76	77.44	59.88	57.88	72.64	2	2	0	0	2
14EEE203 Microprocessors & Interfacing Practical's	82	82	82	82	82	86	83	84	83	85	82.48	81.88	82.08	81.88	82.28	3	3	3	3	3
14EEE204 Electrical Machines Practical's	87	87	87	87	87	81	79	80	81	80	85.48	85.08	85.28	85.48	85.28	3	3	3	3	3
14EEE110 Object Oriented Programming	67	47	71	64	70	77	80	81	71	80	68.84	53.76	72.68	65.24	71.84	1	0	2	1	2
14EEE111 Electrical Measurements & Instrumentation	66	72	78	82	67	80	87	90	84	83	68.80	74.84	80.72	82.56	70.36	1	2	3	3	2
14EEE112 Power Systems (MOOCS)	62	62	62	62	62	81	82	86	83	86	65.80	66.00	66.80	66.20	66.80	1	1	1	1	1
14EEE113 Power Electronics	44	46	70	52	60	82	84	85	78	84	51.92	53.44	72.68	57.20	64.96	0	0	2	0	1
14EEE114 Signals & Systems	59	65	79	49	72	91	90	94	83	85	65.56	69.68	82.16	55.64	74.60	1	1	3	0	2
14EEE205 Control Systems Practicals	84	84	84	84	84	83	83	83	81	83	83.80	83.80	83.80	83.40	83.80	3	3	3	3	3
14EEE206 Analog Electronics Practical's	89	89	89	89	89	87	81	86	83	82	88.76	87.56	88.56	87.96	87.76	3	3	3	3	3
14ENG103 Soft Skills	78	84	83	82	82	83	85	83	76	78	79.16	84.52	83.16	80.80	81.36	2	3	3	3	3
14EEE115 Special Electrical Machines	64	72	64	55	64	81	81	76	82	82	67.24	73.48	66.72	60.08	67.92	1	2	1	1	1
14EEE116 Power System Analysis and Control	91	81	90	83	84	81	81	81	81	81	88.68	80.84	87.88	82.60	83.24	3	3	3	3	3
14EEE117 Digital Signal Processing (MOOCS)	85	85	85	85	85						85.00	85.00	85.00	85.00	85.00	3	3	3	3	3
14EEE207 Power Electronics Practical's	90	90	90	90	90	85	82	81	84	83	89.32	88.72	88.52	89.12	88.92	3	3	3	3	3
14EEE208 Object Oriented Programming Practical's	75	75	75	75	75	85	80	84	82	83	77.00	76.00	76.80	76.40	76.60	2	2	2	2	2
14EEE118 Electrical Drives	59	65	78	49	72	87.56	86.12	89.59	91	87.84	64.87	68.90	80.00	57.24	75.17	1	1	2	0	2
14EEE119 Engineering Optimization	79	78	84	69	59	88	86	90	91	88	81.12	79.44	85.52	73.72	64.48	3	2	3	2	1
14EEE120 Electric Power Utilization and Illumination	80	63	73	47	69	81	81	76	82	82	80.20	66.44	73.28	54.32	71.92	3	1	2	0	2

14EEE404 Switchgear and Protection	60	80	51	60	64	88.98	85.41	89.65	89.82	91.5	85.48	80.92	58.73	66.28	69.50	1	3	0	1	1
Design of Photovoltaic	75	75	75	75	75						75.00	75.00	75.00	75.00	75.00	2	2	2	2	2
14EEE501 Mini Project	98	99	89	77	77	78.82	80.73	80.74	83.7	81.85	94.16	95.35	87.35	78.34	77.97	3	3	3	2	2
14EEE209 Digital Signal Processing Practical's	69	69	69	69	69	91.5	97.25	97.68	99.06	97.09	73.34	74.49	74.58	74.85	74.46	2	2	2	2	2
14EEE210 Power systems Practical's	98	98	98	98	98	88.98	85.41	89.65	89.82	91.5	96.52	95.80	96.65	96.68	97.02	3	3	3	3	3
14EEE601 Technical Seminar	96	96	96	96	96	80.37	80.74	77.86	81.92	81.85	92.87	92.95	92.37	93.18	93.17	3	3	3	3	3
14EEE502 Project Work	100	100	100	100	100	77.2	78.8	81.6	82.55	84.4	95.44	95.76	86.32	96.51	96.88	3	3	3	3	3

Signature of Coordinator

Signature of HOD



Signature of Principal

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 MADANAPALLE 517 325 A P



Madanapalle Institute of technology & Science, Madanapalle
Department of Electrical and Electronics Engineering
PO Attainment of 2015- 19 batch



Course Code and Name	PO ATTAINMENT - DIRECT														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
14MAT103 Differential Equations & Laplace Transforms	75.73	75.56	76.54	76.29											
14HUM101 Principles of Economics													75.20		78.00
14EEE102 Network Analysis	66.60	65.89	67.00	68.00						75.69	75.55	76.17			
14EEE103 Electrical Machines	67.60	68.00	67.67	66.14									67.44	65.00	69.00
14EEE104 Digital Design	55.00	55.30	57.00	57.10	49.00								70.40	66.20	66.20
14EEE105 Electronic Devices	79.80	79.92	79.80	79.80										58.86	55.63
14EEE201 Electric Circuits Practical's	85.56	85.56	85.56	85.56									79.00	80.00	79.00
14EEE202 Electronics Practical's	85.21	85.21	85.22	85.21					85.56	85.56	85.49		85.96	85.56	85.16
14MAT104 Probability & Statistics	70.30	73.27	71.49	71.31					85.24	85.24				85.19	85.38
14HUM102 Principles of Management													71.50	73.52	70.48
14EEE106 Electromagnetic Theory	74.70	74.56	74.72	75.03		75.07		75.15	74.65	78.73	76.42	77.12			78.26
14EEE107 Microprocessors & Interfacing	67.00	67.00	68.00	68.00									70.88	74.57	75.68
14EEE108 Control Systems	71.00	70.64	72.11	72.14						67.00	62.00		65.00	63.00	68.00
14EEE109 Analog Electronics	67.31	67.03	67.72	67.72									69.33	71.00	68.57
14EEE203 Microprocessors & Interfacing Practical's	82.12	82.12	82.12	82.09	82.11									67.72	67.72
14EEE204 Electrical Machines Practical's	85.00	85.00	85.00	85.00						82.12	82.08		81.98	82.14	82.08
14EEE110 Object Oriented Programming	71.00	63.00	72.00	72.00	66.00					85.00			85.00	85.00	85.00
14EEE111 Electrical Measurements & Instrumentation	76.02	74.88	75.63	75.46						69.00	63.00	69.00		69.00	70.00
14EEE112 Power Systems (MOOCS)	66.32	66.32	66.29	66.27						75.74	74.14				73.91
14EEE113 Power Electronics	61.05	60.17	60.17	60.17	59.35								66.32	66.33	66.60
14EEE114 Signals & Systems	69.17	68.79	67.37	68.79	65.27								59.33	58.97	63.09
14EEE205 Control Systems Practical's	83.72	83.71	83.73	83.71	83.67								67.60	66.64	65.12
14EEE206 Analog Electronics Practical's	88.12	88.11	88.00	88.76						83.72	83.72		83.80	83.72	83.72
14ENG103 Soft Skills														88.09	88.12
14EEE115 Special Electrical Machines	67.09	66.34	67.00	67.09					80.99	82.19	81.13	81.36	82.41		
14EEE116 Power System Analysis and Control	84.65	84.91	84.91	85.54						64.68			66.76	67.09	67.58
14EEE117 Digital Signal Processing (MOOCS)	85.00	85.00	85.00	85.00									86.39	86.96	85.59
14EEE207 Power Electronics Practical's	88.92	88.92	88.92	88.88									85.00	85.00	85.00
14EEE208 Object Oriented Programming Practical's	76.56	76.56	76.58		76.57					88.92			88.88	88.92	88.90
14EEE118 Electrical Drives	69.00	69.00	69.00	69.00								76.56	76.56		76.60
14EEE119 Engineering Optimization	75.00	78.00	78.00	77.00										69.00	69.00
14EEE120 Electric Power Utilization and Illumination	68.00	68.00	68.00	69.00	69.00		62.00				79.00		77.00	77.00	77.00
14EEE404 Switchgear and Protection	67.33	66.38	66.23	63.84									70.00		69.00
Design of Photovoltaic	75.00	75.00	75.00	75.00	75.00	75.00	75.00						65.95		67.17
14EEE501 Mini Project	92.66	93.93	93.27	92.20	96.40	81.40	81.33	87.85	84.71	84.48	84.60	86.36			
14EEE209 Digital Signal Processing Practical's	71.06	71.06	71.25	71.15	71.15										
14EEE210 Power systems Practical's	95.89	95.89	96.04	95.96	95.96								71.44	71.14	70.72
14EEE601 Technical Seminar	92.80	93.40		93.20	92.93	93.15	92.80	93.25	93.20	93.22	93.11	93.14	93.08	92.93	93.00
14EEE502 Project Work	97.28	97.14	97.14	97.14	97.30	97.09	97.14	97.04	97.00	96.89	96.90	97.01	97.60	97.20	97.26


Signature of Coordinator


Signature of HOD


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MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC-AUTONOMOUS)

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Analysis of attainment of POs & PSOs for 2015-2019 B. Tech batch
(2nd Autonomous batch)

Sl. No.	POs & PSOs	Direct attainment (%)	Attainment Target (%)	Remark
1.	PO1	77	80	Not attained
2.	PO2	77	80	Not attained
3.	PO3	77	80	Not attained
4.	PO4	77	80	Not attained
5.	PO5	78	80	Not attained
6.	PO6	86	80	Attained
7.	PO7	84	80	Attained
8.	PO8	89	80	Attained
9.	PO9	84	80	Attained
10.	PO10	84	80	Attained
11.	PO11	81	80	Attained
12.	PO12	86	80	Attained
13.	PSO1	77	80	Not attained
14.	PSO2	78	80	Not attained
15.	PSO3	77	80	Not attained

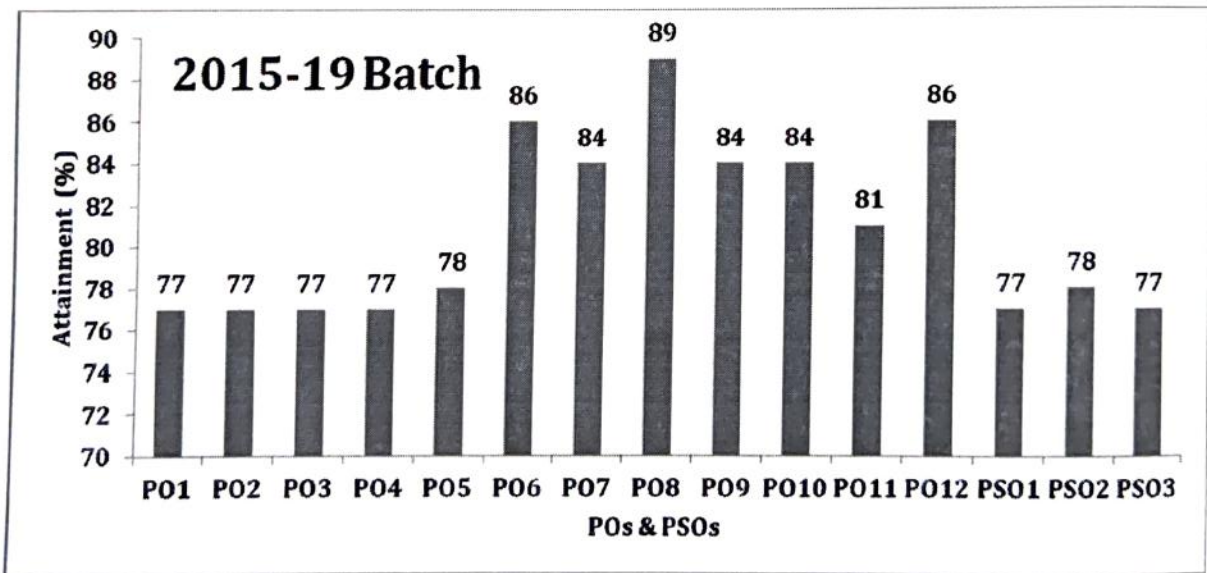


Fig. Attainment of POs & PSOs for 2015-19 batch

The attainment of PO1-PO5 & PSO1-PSO3, are marginally below the target level (80%) considering direct assessment. All other POs have been attained successfully. Root cause analysis for the lower attainment is recommended after overall analysis of attainment of POs and PSO.


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MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC-AUTONOMOUS)

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Analysis of attainment of POs & PSOs for 2015-2019 B. Tech batch as per rubrics

(2nd 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 2015-2019 B. Tech batch as per rubrics

Sl. No.	POs & PSOs	Direct attainment (%)	Attainment Target (%)	Remark
1.	PO1	77	80	Good
2.	PO2	77	80	Good
3.	PO3	77	80	Good
4.	PO4	77	80	Good
5.	PO5	78	80	Good
6.	PO6	86	80	Superior
7.	PO7	84	80	Superior
8.	PO8	89	80	Superior
9.	PO9	84	80	Superior
10.	PO10	84	80	Superior
11.	PO11	81	80	Superior
12.	PO12	86	80	Superior
13.	PSO1	77	80	Good
14.	PSO2	78	80	Good
15.	PSO3	77	80	Good

The attainment of PO1-PO5 & PSO1-PSO3, are marginally below the target level (80%) considering direct assessment. All other POs have been attained successfully. Root cause analysis for the lower attainment is recommended after overall analysis of attainment of POs and PSO.


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