

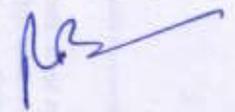
B. Tech – EEE POs/PSOs Attainment

POs/ PSOs ATTAINMENT LEVEL 2018-2019

Code	Subject	Program Outcomes (PO's)												Program Specific Outcomes (PSO's)			
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
I B. Tech. I SEMESTER																	
CS103ES	Programming For Problem Solving	1.16	1.16	1.09	0.77	0.58	-	-	-	-	-	-	-	0.83	-	-	-
MA101BS	Mathematics-I	0.96	1.03	0.96	-	-	-	-	-	-	-	-	-	0.41	-	-	-
PH103BS	Engineering Physics-I	0.51	0.51	0.37	0.23	0.14	-	-	-	-	-	-	-	0.19	-	-	-
ME104ES	Engineering Graphics	1.37	1.20	0.69	1.37	-	-	-	-	-	-	-	-	-	-	-	-
PH107BS	EP LAB	1.97	1.48	1.48	-	-	-	-	-	0.99	0.99	-	-	-	-	-	-
CS106BS	PPS LAB	2.85	2.85	2.85	2.10	1.61	-	-	-	-	1.11	-	2.35	-	-	-	-
I B. Tech. II SEMESTER																	
MA202BS	Mathematics-II	2.12	1.41	1.41	-	-	1.41	-	-	-	-	-	-	2.12	1.41	0.71	-
MA203BS	Mathematics-III	2.84	1.89	1.89	-	-	1.89	-	-	-	-	-	-	2.84	1.89	0.95	-
PH201BS	Engineering Physics-II	1.89	1.89	1.89	2.84	-	-	-	0.95	-	-	-	-	1.89	1.89	-	-
CS204ES	Computer Programming in C	1.41	2.12	1.41	1.41	1.41	-	-	-	0.71	-	-	-	1.41	2.12	2.12	-
ME205ES	Engineering Graphics	1.93	1.93	1.93	1.93	-	0.97	-	-	-	-	-	0.97	0.97	0.97	-	-
CS208ES	Computer Programming in C Lab	1.93	1.93	2.90	1.93	1.93	-	-	-	1.93	-	-	1.93	1.93	2.90	2.90	-
PH207BS	Engineering Physics Lab	1.93	1.93	1.93	1.93	1.93	-	-	-	-	-	-	-	1.93	-	-	-
CH206BS	Engineering Chemistry Lab	1.93	1.93	1.93	1.93	1.93	-	-	-	-	-	-	-	-	-	-	-
II B. Tech. I SEMESTER																	
MA301BS	Mathematics-IV	2.49	1.40	1.71	1.40	1.40	-	1.40	-	1.40	0.93	1.40	1.87	2.49	1.40	0.93	-
EC304ES	Signals and Stochastic Process	1.89	1.78	1.78	1.78	1.78	1.30	1.07	-	1.07	1.07	1.78	0.71	1.89	1.78	1.07	-
EC305ES	Network Analysis	2.37	2.52	2.05	1.74	1.66	0.95	-	-	1.42	-	-	1.74	2.21	2.52	2.37	-
EC303ES	Electrical Technology	1.24	1.56	0.93	0.93	-	-	-	-	2.80	-	2.49	0.93	2.33	1.40	1.40	-
EC302ES	Analog Electronics	1.21	0.68	1.13	1.13	1.13	0.83	-	-	1.13	-	1.13	1.13	0.76	1.13	1.13	-
EC306ES	Electronic Devices and Circuits Lab	1.95	1.95	1.95	1.95	-	-	-	-	1.95	1.95	-	-	1.95	-	1.95	-
EC307ES	Basic Simulation Lab	2.92	2.92	2.92	2.92	2.92	-	-	-	1.95	1.95	-	0.97	2.92	0.97	0.97	-
EC308ES	Basic Electrical Engineering Lab	1.95	1.95	0.97	0.97	-	-	-	-	-	-	-	-	-	-	-	-

Code	Subject	Program Outcomes (PO's)												Program Specific Outcomes (PSO's)		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
MC300ES	Environmental Science and Technology	2.83	2.83	2.83	-	-	-	2.83	-	-	-	-	-	-	-	-
II B. Tech. II SEMESTER																
EE401ES	Switching Theory and Logic Design (R16)	1.94	2.10	1.94	2.18	1.74	0.97	-	-	-	1.45	-	1.78	1.94	1.94	-
EE402ES	Power Systems - I	2.00	1.60	2.00	1.00	-	-	1.00	-	-	-	1.20	1.60	1.60	1.60	-
EE403ES	Electrical Machines - II	2.00	1.60	2.00	1.00	-	-	1.00	-	-	-	1.20	1.60	1.60	1.60	-
EE404ES	Control Systems	0.35	0.28	0.35	0.28	0.21	0.14	0.07	-	-	-	-	-	0.69	0.69	-
SM405MS	Business Economics and Financial Analysis	2.03	2.03	2.40	1.66	2.07	1.84	-	-	-	-	-	-	1.84	1.84	-
EE406ES	Control Systems Lab	2.57	1.93	1.93	1.71	0.86	-	-	-	1.71	2.57	-	-	2.30	2.53	-
EE407ES	Electrical Machines Lab - II	1.15	0.92	0.81	-	0.00	-	-	-	0.99	0.99	0.00	0.58	0.82	0.52	-
EE408ES	Electronic Circuits Lab	2.00	1.60	1.40	-	0.00	-	-	-	1.00	1.00	1.42	1.00	1.42	1.00	-
*MC400HS	Gender Sensitization Lab	-	-	-	2.00	1.00	-	-	-	2.00	3.00	-	-	-	-	-
III B. TECH I SEMESTER																
EE501PC	Electrical Measurements and Instrumentation	3.00	2.00	2.00	3.00	2.00	2.00	2.00	-	-	-	-	3.00	2.00	2.00	-
EE502PC	Power Systems - II	2.00	2.00	3.00	2.00	2.00	-	-	-	-	-	1.00	2.00	3.00	2.00	-
EEI503PC	Microprocessors & Micro Controllers	3.00	2.00	3.00	-	2.00	1.00	-	1.00	-	-	-	2.00	2.00	2.00	-
SM504MS	Fundamentals of Management	-	-	-	-	-	1.00	1.00	-	-	-	-	2.00	2.00	1.00	-
ECS110E	Principles of Communications	2.00	1.00	2.00	1.00	1.00	-	1.00	-	-	-	-	1.00	1.00	1.00	-
EE505PC	Electrical Measurements and Instrumentation Lab	3.00	2.00	3.00	2.00	2.00	2.00	1.00	-	2.00	1.00	2.00	2.00	2.00	2.00	-
EE506PC	Basic Electrical Simulation Lab	3.00	2.00	2.00	2.00	1.00	1.00	-	-	-	-	2.00	3.00	3.00	3.00	-
EI507PC	Microprocessors & Micro Controllers Lab	2.00	2.00	2.00	2.00	-	-	-	-	-	-	2.00	2.00	2.00	2.00	-
MC500HC	Professional Ethics	1.00	-	-	-	-	-	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-
III B. TECH II SEMESTER																
EE601PC	Power Systems Analysis (R16)	2.38	1.83	1.14	0.91	1.83	-	-	-	-	-	-	-	-	1.83	-
EE602PC	Power Electronics	0.35	0.26	0.35	0.17	-	-	0.17	-	-	-	0.17	-	0.87	0.87	-
EE603PC	Switch Gear and Protection	0.75	0.75	0.75	0.75	0.75	-	-	-	-	-	-	-	-	0.75	-
	Linear and Digital IC Applications	2.56	2.40	2.40	2.40	2.40	1.60	1.60	-	2.40	1.92	2.40	2.40	1.28	1.92	-
136DK	PRINCIPLES OF COMPUTER COMMUNICATIONS AND NETWORKS	3.00	1.33	1.33	1.33	3.00	-	-	-	-	-	-	-	1.83	2.74	-
EE604PC	Power Systems Lab	2.00	1.60	1.40	-	0.00	-	-	-	1.00	1.00	1.42	1.00	1.39	0.98	-
EE605PC	Power Electronics Lab	2.00	1.60	1.40	-	0.00	-	-	-	1.00	1.00	1.40	1.00	1.42	1.00	-
EN606HS	Advanced English Communication Skills Lab	2.00	1.60	1.40	-	2.00	-	-	-	1.00	1.00	1.42	1.00	1.42	1.00	-

IV B.TECH I SEMESTER																
Code	Subject	Program Outcomes (PO's)												Program Specific Outcomes (PSO's)		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
A70231	Switch Gear and Protection	2.38	1.83	1.14	0.91	1.83	-	-	-	-	2.49	1.40	1.71	1.40	1.40	-
A70324	Utilization of Electrical Machines	0.35	0.26	0.35	0.17	-	-	0.17	-	-	1.89	1.78	1.78	1.78	1.78	-
A70235	Digital Signal Processing	0.75	0.75	0.75	0.75	0.75	-	-	-	-	2.37	2.52	2.05	1.74	1.66	-
A70230	Power System operating and Control	2.56	2.40	2.40	2.40	2.40	1.60	1.60	-	2.40	1.24	1.56	0.93	0.93	-	-
A70226	High Voltage Engineering (Elective 1)	3.00	1.33	1.33	1.33	3.00	-	-	-	-	1.21	0.68	1.13	1.13	1.13	-
A70228	Electrical Distribution Systems	2.00	1.60	1.40	-	0.00	-	-	-	1.00	1.95	1.95	1.95	1.95	-	-
A80498	Microprocessors & Interfacing Lab	2.00	1.60	1.40	-	0.00	-	-	-	1.00	2.92	2.92	2.92	2.92	2.92	-
A80293	Electrical Measurement Lab	2.00	1.60	1.40	-	2.00	-	-	-	1.00	1.95	1.95	0.97	0.97	-	-
IV B.TECH II SEMESTER																
A80237	Fundamentals of HVDC and FACTS Devices (R15)	2.20	2.14	2.55	2.06	1.98	-	-	-	-	-	1.83	2.38	1.83	2.06	-
A80324	Renewable Energy Sources (Elective-3)	0.39	0.31	0.31	0.39	0.39	0.23	0.16	-	0.16	0.16	0.08	0.39	0.78	0.78	-
A80235	EHVAC Transmission(Elective-4)	0.39	0.31	0.31	0.39	0.39	0.23	0.16	-	0.16	0.16	0.08	0.39	0.78	0.78	-
A80087	Industry Oriented Mini Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A80089	Seminar	1.96	1.63	1.37	-	0.00	-	-	-	0.99	0.99	0.00	0.98	1.39	0.98	-
A80088	Project Work	1.96	1.30	1.37	-	0.00	-	-	-	0.99	0.99	0.00	0.98	1.39	0.98	-
A80090	Comprehensive Viva-Voce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Count	37	36	36	26	24	12	14	2	18	23	24	31	36	35	-
	Sum	70.02	53.49	56.08	35.79	38.60	13.61	11.93	2.00	21.80	34.25	35.37	48.52	57.41	53.28	-
	Direct	1.89	1.49	1.56	1.38	1.61	1.13	0.85	-	1.21	1.49	1.47	1.57	1.59	1.52	-
	Co attainment of Pos	1.89	1.49	1.56	1.38	1.61	1.13	0.85	-	1.21	1.49	1.47	1.57	1.59	1.52	-



HOD / EEE

B. Tech – EEE / CO Attainment / Attainment Year 2018-2019		
Code	Subject	CO Attainment
I B. Tech-I Semester		
EN104HS	Professional Communication in English	2.91
MA101BS	Mathematics-I	2.85
PH103BS	Engineering Physics-I	2.85
CH102BS	Engineering Chemistry	2.88
ME105ES	Engineering Mechanics	2.85
EE106ES	Basic Electrical and Electronics Engineering	2.85
EN107HS	English Language Communication Skills Lab	2.91
ME108ES	Engineering Workshop	2.91
I B. Tech I Semester		
MA202BS	Mathematics-II	2.12
MA203BS	Mathematics-III	2.84
PH201BS	Engineering Physics-II	2.84
CS204ES	Computer Programming in C	2.90
ME205ES	Engineering Graphics	2.90
CS208ES	Computer Programming in C Lab	2.90
PH207BS	Engineering Physics Lab	2.90
CH206BS	Engineering Chemistry Lab	2.90
II B. Tech-I Semester		
MA301BS	Mathematics-IV	2.8
EC304ES	Signals and Stochastic Process	2.13
EC305ES	Network Analysis	2.84
EC303ES	Electrical Technology	2.8
EC302ES	Analog Electronics	1.36
EC306ES	Electronic Devices and Circuits Lab	2.92
EC307ES	Basic Simulation Lab	2.92
EC308ES	Basic Electrical Engineering Lab	2.92
MC300ES	Environmental Science and Technology	2.83
II B. Tech II Semester		

Code	Subject	CO Attainment
EC402ES	Pulse and Digital Circuits	2.09
EC401ES	Switching Theory and Logic Design	2.13
EC405ES	Analog Communications	2.88
EE404ES	Control Systems	2.16
SM405MS	Business Economics and Financial Analysis	2.16
EC406ES	Analog Communications Lab	2.94
EC408ES	Analog Electronics Lab	2.94
EC407ES	Pulse and Digital Circuits Lab	2.94
MC400HS	Gender Sensitization Lab	2.94
III B. Tech I Semester		
A50217	Control Systems Engineering	2.86
A50516	Computer Organization and Operating Systems	2.84
A50418	Antennas and Wave Propagation	2.13
A50422	Electronic Measurements and Instrumentation	2.88
A50408	Analog Communications	2.88
A50425	Linear and Digital IC Applications	2.8
A50482	Analog Communications Lab.	2.92
A50488	IC Applications and HDL Simulation Lab	2.93
III B. Tech II Semester		
A60010	Managerial Economics and Financial Analysis	2.8
A60018	Human Values and Professional Ethics	2.86
A60420	Digital Communications	2.83
A60432	VLSI Design	2.88
A60430	Microprocessors and Microcontrollers	1.38
A60421	Digital Signal Processing	2.1
A60494	Microprocessors and Microcontrollers Lab.	2.94
A60493	Digital Signal Processing Lab	2.94
IV B. Tech I Semester		
A70014	Management Science	2.85
A70442	Microwave Engineering	1.38

Code	Subject	CO Attainment
A70515	Switch Gear and Protection	2.85
A70434	Utilization of Electrical Machines	2.94
A70436	Digital Signal Processing	2.07
A70440	Power System operating and Control	2.88
A70086	High Voltage Engineering (Elective 1)	2.79
A70499	Electrical Distribution Systems	2.97
IV B. Tech II Semester		
A80452	Fundamentals of HVDC and FACTS Devices (R15)	2.76
A80450	Renewable Energy Sources (Elective-3)	2.79
A80437	EHVAC Transmission(Elective-4)	2.82
A80087	Industry Oriented Mini Project	2.94
A80089	Seminar	2.95
A80088	Project Work	2.75
A80090	Comprehensive Viva-Voce	2.94

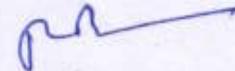

HOD, EEE

M. Tech – EPE POs/PSOs Attainment

POs/ PSOs ATTAINMENT LEVEL 2018-2019

Code	Subject	Program Outcomes (PO's)												Program Specific Outcomes (PSO's)		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
I M. Tech-I Semester																
PC-1	Advanced Power System Analysis	0.98	0.98	-	0.98	-	-	-	-	-	-	-	-	1.95	1.95	1.95
PC-2	Advanced Power System Protection	0.98	0.98	-	1.46	-	-	-	-	-	-	-	-	1.95	1.95	1.95
PC-3	Modern Control Theory	0.98	-	-	1.30	-	-	-	-	-	-	-	-	1.95	1.95	1.95
PE-1	EHV AC Transmission	0.98	-	-	1.46	-	-	-	-	-	-	-	-	1.95	1.95	1.95
PE-2	Power Quality	1.30	0.98	-	1.95	-	-	-	-	-	-	-	-	1.95	1.95	1.95
OE-1	PRINCIPLES OF ELECTRONIC COMMUNICATIONS	0.98	1.95	-	0.98	-	-	-	-	-	-	-	-	1.95	1.95	1.95
Laboratory I	Power & Energy Systems Lab - I	-	2.62	0.90	-	2.62	2.62	-	2.62	2.62	2.62	-	2.62	0.90	-	-
I M. Tech II Semester																
PC-4	Power System Dynamics and Control	0.98	1.95	0.00	0.00	0.00	-	-	-	-	0.00	-	-	1.95	1.46	-
PC-5	Flexible AC Transmission Systems	0.98	-	0.00	0.00	0.00	-	-	-	-	0.00	-	-	1.95	1.46	-
PC-6	Power System Operation and Deregulation	0.98	1.95	0.00	1.46	0.00	-	-	-	-	-	-	-	1.95	1.95	0.00

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PE-3	Energy Auditing Conservation and Management	0.98	1.95	0.00	1.46	0.00	-	-	-	-	-	-	-	1.95	1.95	0.00
PE-4	Power System Reliability	0.98	-	0.00	-	0.00	-	-	-	-	-	-	-	1.95	1.95	0.00
OE-2	Principles of computer communications and networks	0.98	0.98	0.00	0.00	0.00	-	-	-	-	0.00	-	-	1.95	1.46	-
Laboratory II	Power and Energy Systems Lab - II	1.97	2.96	0.99	2.96		2.96	2.96	2.96	2.96	2.96	-	2.96	0.99	-	-



HOD, EEE

M. Tech – EPE / CO Attainment / Attainment Year 2018-2019		
Code	Subject	CO Attainment
I M. Tech I Semester		
PC-1	Advanced Power System Analysis	2.31
PC-2	Advanced Power System Protection	2.42
PC-3	Modern Control Theory	2.5
PE-1	EHV AC Transmission	2.42
PE-2	Power Quality	2.27
OE-1	PRINCIPLES OF ELECTRONIC COMMUNICATIONS	2.96
Laboratory I	Power & Energy Systems Lab - I	2.42
I M. Tech II Semester		
PC-4	Power System Dynamics and Control	2.42
PC-5	Flexible AC Transmission Systems	2.62
PC-6	Power System Operation and Deregulation	2.38
PE-3	Energy Auditing Conservation and Management	2.38
PE-4	Power System Reliability	2.45
OE-2	Principles of computer communications and networks	2.58
Laboratory II	Power and Energy Systems Lab - II	2.58


HOD, EEE

M. Tech – PEED POs/PSOs Attainment

POs/ PSOs ATTAINMENT LEVEL 2018-2019

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		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
I M. Tech-I Semester																
PC-1	Machine modelling and analysis	0.98	0.98	0.00	1.46	0.00	-	-	-	-	0.98	-	-	1.95	1.95	-
PC-2	Modern control theory	1.46	0.98	0.00	1.46	0.00	-	-	-	-	0.98	-	-	1.95	1.95	-
PC-3	Power electronic devices and converters	0.98	0.98	0.00	1.46	0.00	-	-	-	-	0.00	-	-	1.95	1.46	-
PE-1	Special machines	0.98	1.30	0.00	0.98	0.00	-	-	-	-	0.00	-	-	1.95	1.46	-
PE-2	Electric traction systems	0.98	1.30	0.00	0.00	0.00	-	-	-	-	0.00	-	-	1.95	1.46	-
OE-1	Principles of electronic communications	0.98	0.98	0.00	0.98	0.00	-	-	-	-	0.98	-	-	1.95	1.95	0.00
Laboratory - 1	Power converters simulation lab	-	2.62	0.90	-	2.62	2.62	-	2.62	2.62	2.62	-	2.62	0.90	-	-
I M. Tech II Semester																
PC-4	Power electronic applications to renewable energy	0.98	1.46	1.95	1.46	1.95	-	-	-	-	-	-	-	1.95	1.95	1.95
PC-5	Embedded systems for power electronic applications	0.98	0.98	1.46	1.71	1.22	-	-	-	-	0.98	-	-	1.95	1.95	1.95
PC-6	Power electronic control of drives	0.98	1.46	1.95	1.95	1.95	-	-	-	-	-	-	-	1.95	1.95	1.95

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PE-3	HVDC & Facts	1.63	1.63	1.46	1.46	-	-	-	-	-	-	-	-	1.95	1.95	1.95
PE-4	Hybrid Electric Vehicles	0.98	0.98	1.46	1.71	1.22	-	-	-	-	0.98	-	-	1.95	1.95	1.95
OE-2	Principles of computer communications and networks	0.83	0.83	1.24	1.44	1.03	0.00	-	-	-	0.83	-	0.00	1.65	1.65	1.65
Laboratory II	Power converters and drives lab	1.97	2.96	0.99	2.96		2.96	2.96	2.96	2.96	2.96	-	2.96	0.99	-	-
Average		1.13	1.39	0.82	1.46	0.83	1.86	2.96	2.79	2.79	1.03	-	1.86	1.79	1.80	-
PO Attainment Level		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12			
Co attainment		1.27	1.47	0.93	1.51	0.95	1.87	2.87	2.71	2.7	1.11	-	1.87			
Direct attainment		1.13	1.39	0.82	1.46	0.83	1.86	2.96	2.79	2.79	1.03	-	1.86			
Indirect attainment		2.55	2.22	1.95	1.99	2.00	1.97	2.07	2.00	1.91	1.85	1.99	1.93			
Pso attainment level		PSO1	PSO2	PSO3												
Co attainment		1.81	-	-												
Direct attainment		1.79	-	-												
Indirect attainment		2.00	2.21	2.12												


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M. Tech – PEED / CO Attainment / Attainment Year 2018-2019		
Code	Subject	CO Attainment
I M. Tech I Semester		
PC-1	Machine modelling and analysis	2.38
PC-2	Modern control theory	2.45
PC-3	Power electronic devices and converters	2.58
PE-1	Special machines	2.38
PE-2	Electric traction systems	2.42
OE-1	Principles of electronic communications	2.38
Laboratory I	Power converters simulation lab	2.62
I M. Tech II Semester		
PC-4	Power Electronic Applications to Renewable Energy	2.31
PC-5	Embedded Systems For Power Electronic Applications	2.42
PC-6	Power electronic control of drives	2.5
PE-3	Hvdc & facts	2.42
PE-4	Hybrid electric vehicles	2.27
OE-2	Principles of computer communications and networks	2.56
Laboratory II	POWER CONVERTERS AND DRIVES LAB	2.96


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