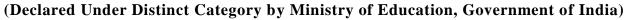


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NAAC Accredited with A++ Grade

Department of Electrical Engineering Scheme of Evaluation

M. Tech. I Semester (Industrial Systems & Drives) (for batch admitted in academic session 2024-25)

					N	Maximum M	Iarks Allot	ted			Con	ntact H	ours					
					Theor	y Block		Practical	Block		p	per week						
S.	Course	Category	Course Name	Cont	Continuous Evaluation			Continuous						Total	Mode of	Mode	Duration of	
No.	Code	Code	Course Name		Major	Major	Evaluation	Major	Marks	т	т	D	Credits	Learning	of Exam.	Exam.		
				Minor	Minor Evaluation	Quiz/	Evaluation	Lab Work &	Evaluation		L	1	P		Dearning			
				I	II	Assignment		Sessional										
1.	58241101	DC	Computational Techniques	20	20	30	30	-	-	100	3	-	-	3	Face to Face	PP	2 Hrs	
2.	58241102	DC	Advanced Electric Drives	20	20	30	30	-	-	100	2	1	-	3	Face to Face	PP	2 Hrs	
3.	58241103	DC	Modern Control System	20	20	30	30	-	-	100	2	1	-	3	Face to Face	PP	2 Hrs	
4.	582411xx	DE	Departmental Elective (DE-1)	20	20	30	30	-	•	100	3	-	-	3	Face to Face	PP	2 Hrs	
5.	582411yy	SPC	Specialization Course (SPC-1)	20	20	30	30	-	•	100	3	-	-	3	Face to Face	PP	2 Hrs	
6.	58241108	DLC	Advanced Drives Lab#	-	-	-	-	70	30	100	ı	-	4	2	Experiential	AO	-	
7.	58241109	DLC	Seminar/Presentation ^{\$}	-	-	-	-	70	30	100	ı	-	4	2	Blended	SO	-	
			Classified Novel Engaging															
8.	NECxxxxx	NEC	Course (Activity Based	-	-	-	-	-	50	50	-	1	-	1	Interactive	SO	-	
			Learning)															
	Total			100	100	150	150	140	110	750	13	03	08	20	-	-	-	

MCQ: Multiple Choice Question

PP: Pen Paper **SO:** Submission + Oral

OB: Open Book

Seminar/Presentation through SWAYAM / NPTEL (Registration in a course will be compulsory for students but assessment will be based on internal seminar presentation).

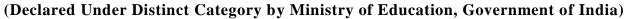
		DE-1	SPC							
S. No.	Course Code	Course Name	S. No.	Course Code	Course Name					
1.	58241104	Power Electronics Application to Power Systems	1.	58241107	Electric Drives for Hybrid Vehicles					
2.	58241105	Design, Estimation & Costing of Industrial Electrical System	2.	58241108	Smart Grid Technology					
3.	58241106	Robotics & Control	3.	58241106	Power Electronics for Renewable Energy Systems					

		Mode of Learning					T-4-1		
Theory Lab						Lab	Total Credits		
Face to Face	Online	Blended	Interactive	Experiential	PP	MCQ	OB	SO	Credits
15	-	1	2	2	15	-	-	5	20
75%	-	5%	10%	10%	75%	-	-	25%	Credits %

[#] During lab, students have to perform practical/assignments/minor projects related to the courses of respective semester using recent technologies / languages / tools etc.



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Department of Electrical Engineering Scheme of Evaluation

M. Tech. II Semester (Industrial Systems & Drives) (for batch admitted in academic session 2024-25)

						Maxi	mum Mark	s Allotted			,		C	Contact		Total	Mode	Mode	Durati
S.	Course	Category		Theory Block			Practical Block		MOOCs		Total		ours per week		Credits	of Learning	of Exam.	on of Exam.	
No.	Code	Code	Course Name	Continuous Evalua				Conti	Major			N / 1							
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	Major Evaluation	ทมดมร	Evaluati on	Assign- ment	Exam		L	T	P				
1.	58241201	DC	Advanced Power Electronics	20	20	30	30	-	-	-	-	100	3	-	-	3	Face to Face	PP	2 Hrs
2.	58241202	DC	Microcontrollers & its Applications to Power Converters	20	20	30	30	-	-	-	-	100	2	1	1	3	Face to Face	PP	2 Hrs
3.	58241203	DC	Industrial Instrumentation & Control	20	20	30	30	•	-	-	-	100	2	1	1	3	Face to Face	PP	2 Hrs
4.	582412xx	DE	Departmental Elective* (DE-2)	-	-	-	-	-	-	25	75	100	3	-	-	3	Online	MCQ	3 Hrs
5.	58241207	SPC	Specialization Course (SPC-2)	20	20	30	30	-	-	-	-	100	2	1	-	3	Face to Face	PP	2 Hrs
6.	58241208	DLC	Advanced Power Electronics Lab#	-	-	-	-	70	30	-	-	100	1	1	4	2	Experiential	so	-
7.	58241209	DLC	Seminar/Presentation ^{\$}	-	-	-	-	70	30	-	-	100	-	-	4	2	Mentoring	SO	-
8.	NECxxxxx	NEC	Classified Novel Engaging Course (Activity-Based Learning)	-	-	-	-	-	50	-	-	50	-	1	1	1	Interactive	SO	-
	Total			80	80	120	120	140	110	25	75	750	12	04	08	20	-	-	-

MCQ: Multiple Choice Question

PP: Pen Paper **SO:** Submission + Oral

OB: Open Book

Seminar/Presentation through SWAYAM / NPTEL (Registration in a course will be compulsory for students but assessment will be based on internal seminar presentation).

		DE-2* (MOOC)	SPC-2								
S.	Course	Course Name	S.	Course Code	Course Name						
No.	Code		No.								
1.	58241204		1.	58241207	Power Converters for Microgrids						
2.	58241205		2.	58241208	Smart Grid Protection						
3.	58241206		3.	58241206	Distributed Generation & Micro Grids						

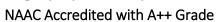
		Mode of Learning				T-4-1				
The	eory		Lab			Lab	Total Credits			
Face to Face	Online	Blended	Experiential	Interactive	PP	MCQ	OB	SO	Credits	
12	3	2	2	1	12	3	-	5	20	
60%	15%	10%	10%	5%	60%	15%	-	25%	Credits %	

^{*}This course will run through SWAYAM / NPTEL /MOOC based learning platform (with credit transfer facility). The course can be related & relevant to other domain as well. # During lab, students have to perform practical/assignments/minor projects related to the courses of respective semester using recent technologies / languages / tools etc.



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Scheme of Evaluation

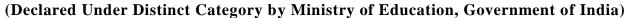
Department of Electrical Engineering

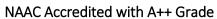
M. Tech. III Semester (Industrial Systems & Drives) (for batch admitted in academic session 2024-25)

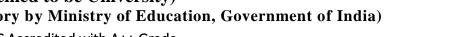
S. No.			ode Course Name Continuous Evaluation Major Minor Minor Major			Maximum 1	Marks Allot	ted		Cont	act H	ours					
				Block		pe	er wee	k		Mode	Mode	Duration					
	Course Code	Category Code		Cont					Major	Total Marks				Total Credits	of Learning	of Exam.	of Exam.
				-	-	~		240 1101114	Evaluation		L	T	P				
1.	58242101	DLC	Dissertation Part-I (Literature Review/ Problem Foundation/ Synopsis/ survey paper, etc.)	-	-	-	-	175	75	250	-	-	28	14	Interactive	so	-
	Total			-	-	-	-	175	75	250	-	-	28	14	-	-	-



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Department of Electrical Engineering

Scheme of Evaluation

M. Tech. IV Semester (Industrial Systems & Drives) (for batch admitted in academic session 2024-25)

5. No.							Maximum 1	Marks Allot	ted			Con	Contact Hours					
			Categ	Course Name	Theory Block			Practical Block			per week		ek		Mode	Mode	Duration	
	No.	. Course Code	ory Code		Cont	inuous Eva	us Evaluation Major		Continuous Evaluation	Major	Total Marks				Total Credits	of Learning	of Exam.	of Exam.
					Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	Evaluation	Lab Work & Sessional	Evaluation		L	Т	P				
	1.	58242201	DLC	Dissertation Part-II	-	-	1	-	350	150	500	-	ı	32	16	Interactive	SO	-
	Total		-	-	-	-	350	150	500	-	- 1	32	16	-	-	-		