

TEACHING SCHEME / DETAIL SYLLABUS

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ME

07 - ELECTRICAL ENGINEERING

Sem

2024-25

Select Elective / Non-Elective

Subject Code

Enter Subject Name

Search

*L=lectures,T=tutorial,P=Practical,E=TheoryExternal,M=TheoryInternal,I=Practical Internal,V=Practical External,On Job Training(OJT) is equivalent to Practical

											Hours	Credit		Max Marks				
Exp.	Subcode	Branch code	Eff from	SubjectName	Category	Sem /Year	L.	T.	P.	TW/SL	Total	E	M	I	V			
	ME0100011	007	2024-25	Research Methodology and IPR	Mandatory Learning Course (Bridge Course)	1	1	0	2	NA	2	0	0	20	80			
	ME0100021	007	2024-25	Technical Report Writing	Mandatory Non-Credit Courses – Audit Course	1	2	0	0	NA	0	50	0	0	0			
	ME01000131	007	2024-25	Computing Techniques in Power Systems	Professional Core Courses	1	3	0	2	NA	4	70	30	20	30			
	ME01000141	007	2024-25	Advance Power Electronics	Professional Core Courses	1	3	0	2	NA	4	70	30	20	30			
	ME01000151	007	2024-25	Renewable Energy	Professional Elective - I	1	3	0	2	NA	4	70	30	20	30			
	ME01000161	007	2024-25	Power Quality	Professional Elective - I	1	3	0	2	NA	4	70	30	20	30			
	ME01000171	007	2024-25	Optimization Techniques	Professional Elective - I	1	3	0	2	NA	4	70	30	20	30			
	ME01000181	007	2024-25	Smart Grid	Professional Elective - II	1	3	0	2	NA	4	70	30	20	30			
	ME01000191	007	2024-25	HVDC transmission	Professional Elective - II	1	3	0	2	NA	4	70	30	20	30			
	ME01000201	007	2024-25	Electric and Hybrid Vehicles	Professional Elective - II	1	3	0	2	NA	4	70	30	20	30			
	ME02000011	007	2024-25	Disaster Management	Mandatory Non-Credit Courses – Audit Course	2	2	0	0	NA	0	50	0	0	0			
	ME02000141	007	2024-25	Mini Project with Seminar	Core Courses	2	0	0	4	NA	2	0	0	100	0			
	ME02000731	007	2024-25	Modeling of Electrical Machines	Professional Core Courses	2	3	0	2	NA	4	70	30	20	30			
	ME02000741	007	2024-25	Advanced Power System Protection	Professional Core Courses	2	3	0	2	NA	4	70	30	20	30			
	ME02000751	007	2024-25	Restructured Power System	Professional Elective - III	2	3	0	2	NA	4	70	30	20	30			

	ME02000761	007	2024-25	Modelling and Analysis of Power Converters	Professional Elective - III	2	3	0	2	NA	4	70	30	20	30
	ME02000771	007	2024-25	AI Application in Power Systems	Professional Elective - III	2	3	0	2	NA	4	70	30	20	30
	ME02000781	007	2024-25	Power System Dynamics and Control	Professional Elective - IV	2	3	0	2	NA	4	70	30	20	30
	ME02000791	007	2024-25	Advanced Electrical Drives	Professional Elective - IV	2	3	0	2	NA	4	70	30	20	30
	ME02000801	007	2024-25	Condition Monitoring and Prognosis of Electrical Equipment	Professional Elective - IV	2	3	0	2	NA	4	70	30	20	30
	ME02000811	007	2024-25	FACTS Devices	Professional Elective - V	2	3	0	2	NA	4	70	30	20	30
	ME02000821	007	2024-25	Advanced Power Converters	Professional Elective - V	2	3	0	2	NA	4	70	30	20	30
	ME02000831	007	2024-25	Computational Electromagnetics	Professional Elective - V	2	3	0	2	NA	4	70	30	20	30
	ME03000011	007	2025-26	Internal Review Phase-I	Internal Review/Dissertation Work	3	0	0	8	NA	4	0	0	50	0
	ME03000021	007	2025-26	Dissertation Phase-I	Internal Review/Dissertation Work	3	0	0	30	NA	15	0	0	0	150
	ME03000071	007	2025-26	Waste to Energy	Multidisciplinary Open Professional Electives Courses	3	3	0	0	NA	3	70	30	0	0
	ME03000081	007	2025-26	Economics of Energy Generation and Supply	Multidisciplinary Open Professional Electives Courses	3	3	0	0	NA	3	70	30	0	0
	ME04000011	007	2025-26	Internal Review Phase-II	Internal Review/Dissertation Work	4	0	0	8	NA	4	0	0	50	0
	ME04000021	007	2025-26	Dissertation Phase-II	Internal Review/Dissertation Work	4	0	0	32	NA	16	0	0	0	150
	noc25-ee57	07	Jan-2025	Operation and Planning Of Power Distribution Systems	MOPEC-01(MOOC)	3	3	0	0	NA	3	100	0	0	0