

Course	Electrical Engineering	Code	EE
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SEMESTER III Subject Code	Title	Hrs. / Week			IA	Exam	Total
		L	T	P			
3EE1A	Electronic Devices & Circuits	3	1	Theory Subjects	20	80	100
3EE2A	Circuit Analysis-I	3	1		20	80	100
3EE3A	Digital Electronics	3	1		20	80	100
3EE4A	Object Oriented Programming	3			20	80	100
3EE5A	Electrical Machines-I	3	1		20	80	100
3EE6A	Advanced Engg. Mathematics-1	3			20	80	100
3EE7A	Electronic Devices Lab	Practical laboratory courses		2	45	30	75
3EE8A	Electrical Circuit Lab		2	30	20	50	
3EE9A	Digital Electronics Lab		2	45	30	75	
3EE10A	C++ Programming Lab		2	45	30	75	
3EE11A	Humanities & Social Sciences		2	45	30	75	
3EEDC	Discipline & Extra Curricular Activity						50
Total		18	4	10			1000

SEMESTER IV Subject Code	Title	Hrs. / Week			IA	Exam	Total
		L	T	P			
4EE1A	Analog Electronics	3	1	Theory Subjects	20	80	100
4EE2A	Circuit Analysis-II	3	1		20	80	100
4EE3A	Electrical Measurements	3	1		20	80	100
4EE4A	Generation of Electrical Power	3			20	80	100
4EE5A	Electrical Machines-II	3	1		20	80	100
4EE6A	Advanced Engineering Mathematics-II	3			20	80	100
4EE7A	Analog Electronics Lab	Practical laboratory courses		2	60	40	100
4EE8A	Electrical Measurement Lab		2	45	30	75	
4EE9A	Power System Design Lab		2	30	20	50	
4EE10A	Electrical Machines Lab		2	45	30	75	
4EE11A	Electrical Machine Design		2	30	20	50	
4EEDC	Discipline & Extra Curricular Activity						50
Total		18	4	10			1000

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SEMESTER V Subject Code	Title	Hrs. / Week			IA	Exam	Total	
		L	T	P				
5EE1A	Power Electronics	3	1	Theory Subjects	20	80	100	
5EE2A	Microprocessors & Computer Architecture	3			20	80	100	
5EE3A	Control Systems	3	1		20	80	100	
5EE4A	Data Base Management System	3			20	80	100	
5EE5A	Transmission & Distribution of Electrical Power	3	1		20	80	100	
5EE6.1A	Optimisation Techniques	3	1		20	80	100	
5EE6.2A	Principle of Communication Systems							
5EE6.3A	Introduction to VLSI							
5EE7A	Power Electronics Lab	Practical laboratory courses			2	45	30	75
5EE8A	Microprocessor Lab				2	45	30	75
5EE9A	System Programming Lab			2	45	30	75	
5EE10A	DBMS Lab			2	45	30	75	
5EE11A	Professional Ethics and Disaster Management			2	30	20	50	
5EEDC	Discipline & Extra Curricular Activity						50	
Total		18	3	10			1000	

SEMESTER VI Subject Code	Title	Hrs. / Week			IA	Exam	Total	
		L	T	P				
6EE1A	Modern Control Theory	3	1	Theory Subjects	20	80	100	
6EE2A	High Voltage Engineering	3			20	80	100	
6EE3A	Switchgear & Protection	3	1		20	80	100	
6EE4A	Advanced Power Electronics	3	1		20	80	100	
6EE5A	Smart Grid Technology	3			20	80	100	
6EE6.1A	Advanced Microprocessors	3	1		20	80	100	
6EE6.2A	Power System Instrumentation							
6EE6.3A	Digital Communication and Information Theory							
6EE7A	Control System Lab	Practical laboratory courses			2	45	30	75
6EE8A	Power System Lab				2	45	30	75
6EE9A	Advanced Power Electronics Lab			2	45	30	75	
6EE10A	Smart Grid Lab			2	45	30	75	
6EE11A	Entrepreneurship Development			2	30	20	50	
6EEDC	Discipline & Extra Curricular Activity						50	
Total		18	3	10			1000	

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SEMESTER VII Subject Code	Title	Hrs. / Week			IA	Exam	Total	
		L	T	P				
7EE1A	Power System Planning	3		Theory Subjects	20	80	100	
7EE2A	Power System Analysis	3	1		20	80	100	
7EE3A	Artificial Intelligence Techniques	3			20	80	100	
7EE4A	Non Conventional Energy Sources	3			20	80	100	
7EE5A	Power System Engineering	3	1		20	80	100	
7EE6.1A	Electromagnetic Field Theory	3	1		20	80	100	
7EE6.2A	Computer Aided Design of Electrical Machines							
7EE6.3A	Economic Operation of Power Systems							
7EE7A	Power System Planning Lab	Practical laboratory courses			2	45	30	75
7EE8A	Power System Modelling & Simulation Lab				2	45	30	75
7EE9A	Industrial Economics & Management			2	30	20	50	
7EETR	Practical Training & Industrial visit			2		100	100	
7EEPR	Project-1			2	50		50	
7EEDC	Discipline & Extra Curricular Activity							50
	Total	18	2	10			1000	

SEMESTER VIII Subject Code	Title	Hrs. / Week			IA	Exam	Total
		L	T	P			
8EE1A	EHV AC/DC Transmission	3	1	Theory Subjects	20	80	100
8EE2A	Electric Drives and Their Control	3	1		20	80	100
8EE3A	Protection of Power System	3			20	80	100
8EE4.1A	Utilization of Electrical Power	3			20	80	100
8EE4.2A	FACTS Devices & Their Applications						
8EE4.3A	Power System Transients						
8EE5A	Computer Based Power System Lab	Practical laboratory courses		3	60	40	100
8EE6A	Electrical Drives and Control Lab			3	60	40	100
8EE7A	High Voltage Engineering Lab			2			50
8EEPR	Project-2			2	120	80	200
8EESM	Seminar			2	60	40	100
8EEDC	Discipline & Extra Curricular Activity						50
	Total	12	2	12			1000