

Course	Electrical and Electronics Engineering	Code	EX
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SEMESTER III Subject Code	Title	Hrs. / Week			IA	Exam	Total
		L	T	P			
3EX1A	Electronic Devices & Circuits	3	1	Theory Subjects	20	80	100
3EX2A	Circuit Analysis and Synthesis	3			20	80	100
3EX3A	Digital Electronics	3	1		20	80	100
3EX4A	Object Oriented Programming	3			20	80	100
3EX5A	Electrical Machines-I	3	1		20	80	100
3EX6A	Advanced Engg. Mathematics-1	3			20	80	100
3EX7A	Electronic Devices Lab	Practical laboratory courses		2	45	30	75
3EX8A	Circuit Analysis Lab		2	30	20	50	
3EX9A	Digital Electronics Lab		2	45	30	75	
3EX10A	C++ Programming Lab		2	45	30	75	
3EX11A	Humanities & Social Sciences		2	45	30	75	
3EXDC	Discipline & Extra Curricular Activity						50
Total		18	3	10			1000

SEMESTER IV Subject Code	Title	Hrs. / Week			IA	Exam	Total
		L	T	P			
4EX1A	Analog Electronics	3	1	Theory Subjects	20	80	100
4EX2A	Linear Integrated Circuits	3	1		20	80	100
4EX3A	Electrical Measurements	3	1		20	80	100
4EX4A	Electrical Engineering Materials	3			20	80	100
4EX5A	Electrical Machines-II	3	1		20	80	100
4EX6A	Advanced Engineering Mathematics-II	3			20	80	100
4EX7A	Analog Electronics Lab	Practical laboratory courses		2	60	40	100
4EX8A	Electrical Measurement Lab		2	45	30	75	
4EX9A	Integrated Circuit Lab		2	30	20	50	
4EX10A	Electrical Machines Lab		2	45	30	75	
4EX11A	Electrical Machine Design		2	30	20	50	
4EXDC	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				
5EX1A	Power Electronics	3	1	Theory Subjects	20	80	100	
5EX2A	Analog Communication	3			20	80	100	
5EX3A	Control Systems	3	1		20	80	100	
5EX4A	Data Base Management System	3			20	80	100	
5EX5A	Transmission & Distribution of Electrical Power	3	1		20	80	100	
5EX6.1A	Biomedical Instrumentation	3	1		20	80	100	
5EX6.2A	Principle of Communication Systems							
5EX6.3A	Introduction to VLSI							
5EX7A	Power Electronics Lab	Practical laboratory courses			2	45	30	75
5EX8A	Communication Lab				2	45	30	75
5EX9A	System Programming Lab			2	45	30	75	
5EX10A	DBMS Lab			2	45	30	75	
5EX11A	Professional Ethics and Disasters Manag			2	30	20	50	
5EXDC	Discipline & Extra Curricular Activity						50	
Total		18	3	10			1000	

SEMESTER VI Subject Code	Title	Hrs. / Week			IA	Exam	Total	
		L	T	P				
6EX1A	Modern Control Theory	3	1	Theory Subjects	20	80	100	
6EX2A	Neural Networks	3			20	80	100	
6EX3A	Switchgear & Protection	3	1		20	80	100	
6EX4A	Advanced Power Electronics	3	1		20	80	100	
6EX5A	Microprocessor & Microcontroller	3			20	80	100	
6EX6.1A	Smart Grid Technology	3	1		20	80	100	
6EX6.2A	Power System Instrumentation							
6EX6.3A	Digital Communication and Information Theory							
6EX7A	Control System Lab	Practical laboratory courses			2	45	30	75
6EX8A	Power System Lab				2	45	30	75
6EX9A	Advanced Power Electronics Lab			2	45	30	75	
6EX10A	Microprocessor & Microcontroller Lab			2	45	30	75	
6EX11A	Entrepreneurship Development			2	30	20	50	
6EXDC	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			
7EX1A	Power System Planning	3		Theory Subjects	20	80	100
7EX2A	Power System Analysis	3	1		20	80	100
7EX3A	Artificial Intelligence Techniques	3			20	80	100
7EX4A	Non Conventional Energy Sources	3			20	80	100
7EX5A	Power System Engineering	3	1		20	80	100
7EX6.1A	Digital Signal Processing	3	1		20	80	100
7EX6.2A	Computer Aided Design of Electrical Machines						
7EX6.3A	Operating System						
7EX7A	Power System Planning Lab	Practical laboratory courses		2	45	30	75
7EX8A	Power System Modelling & Simulation Lab		2	45	30	75	
7EX9A	Industrial Economic & Management		2	30	20	50	
7EX10A			0	0			
7EXTR	Practical Training & Industrial visit		2		100	100	
7EXPR	Project-1		2	50	50		
7EXDC	Discipline & Extra Curricular Activity						50
Total		18	2	10			1000

SEMESTER VIII Subject Code	Title	Hrs. / Week			IA	Exam	Total
		L	T	P			
8EX1A	EHV AC/DC Transmission	3	1	Theory Subjects	20	80	100
8EX2A	Electric Drives & Their Control	3	1		20	80	100
8EX3A	Protection of Power System	3			20	80	100
8EX4.1A	Utilization of Electrical Power	3	1		20	80	100
8EX4.2A	Image Processing and Pattern Recognition						
8EX4.3A	VHDL						
8EX5A	Computer Based Power System Lab	Practical laboratory courses		3	75	50	125
8EX6A	Electrical Drives & Control Lab		3	75	50	125	
8EXPR	Project-2		2	120	80	200	
8EXSM	Seminar		2	60	40	100	
8EXDC	Discipline & Extra Curricular Activity						50
Total		12	3	10			1000