

TEACHING SCHEME / DETAIL SYLLABUS

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BE

09 - ELECTRICAL ENGINEERING

Sem

2018-19

Select Elective / Non-Elective

Subject Code

Enter Subject Name

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*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				
	3110001	09	Oct - 21	Chemistry	Basic Science (Elective)	1	3	0	2	NA	4	70	30	20	30				
	3110002	09	2018-19	English	Humanities and Social Science	1	2	0	2	NA	3	70	30	20	30				
	3110003	09	2018-19	Programming for Problem Solving	Engineering Science	1	3	0	2	NA	4	70	30	20	30				
	3110005	09	2018-19	Basic Electrical Engineering	Engineering Science	1	3	0	2	NA	4	70	30	20	30				
	3110006	09	2018-19	Basic Mechanical Engineering	Engineering Science	1	3	0	2	NA	4	70	30	20	30				
	3110007	09	2018-19	Environmental Sciences	Mandatory	1	2	2	0	NA	0	70	30	0	0				
	3110012	09	2018-19	Workshop/ Manufacturing Practices	Engineering Science	1	0	0	4	NA	2	0	0	20	80				
	3110013	09	2018-19	Engineering Graphics & Design	Engineering Science	1	2	0	4	NA	4	70	30	20	30				
	3110014	09	2018-19	Mathematics - 1	Basic Science	1	3	2	0	NA	5	70	30	0	0				
	3110015	09	2018-19	Mathematics - 2	Basic Science	1	3	2	0	NA	5	70	30	0	0				
	3110016	09	2018-19	Basic Electronics	Engineering Science	1	3	0	2	NA	4	70	30	20	30				
	3110017	09	2018-19	Induction Program	Mandatory	1	0	0	0	NA	0	0	0	0	0				
	3110018	09	2018-19	Physics	Basic Science (Elective)	1	3	0	2	NA	4	70	30	20	30				
	3130004	09	2018-19	Effective Technical Communication	Humanities and Social Science	3	2	0	2	NA	3	70	30	20	30				

	3130007	09	2018-19	Indian Constitution	Mandatory	3	2	0	0	NA	0	50	0	0	0
	3130008	09	2018-19	Design Engineering - I A	Project Work	3	0	0	2	NA	1	0	0	20	80
	3130905	09	2018-19	Control System Theory	Engineering Science	3	3	0	2	NA	4	70	30	20	30
	3130906	09	2018-19	Electrical Circuit Analysis	Professional Core	3	3	1	2	NA	5	70	30	20	30
	3130907	09	2018-19	Analog & Digital Electronics	Professional Core	3	4	0	2	NA	5	70	30	20	30
	3130908	09	2018-19	Applied Mathematics for Electrical Engineering	Basic Science	3	3	2	0	NA	5	70	30	0	0
	3140005	09	2018-19	Design Engineering 1 B	Project Work	4	0	0	2	NA	1	0	0	20	80
	3140911	09	2018-19	Economics for Engineers	Humanities and Social Science	4	3	0	0	NA	3	70	30	0	0
	3140912	09	2018-19	Electromagnetic Fields	Basic Science	4	3	1	2	NA	5	70	30	20	30
	3140913	09	2018-19	Electrical Machine- I	Professional Core	4	3	0	2	NA	4	70	30	20	30
	3140914	09	2018-19	Power System- I	Professional Core	4	4	0	2	NA	5	70	30	20	30
	3140915	09	2018-19	Power Electronics	Professional Core	4	4	0	2	NA	5	70	30	20	30
	3150001	09	June 2020	Design Engineering - II A	Project Work	5	0	0	2	NA	1	0	0	20	80
	3150004	09	June 2020	Contributor Personality Development Program	Personality development Elective	5	2	0	0	NA	2	70	30	20	30
	3150005	09	June 2020	Integrated Personality Development Course	Personality development Elective	5	2	0	0	NA	2	70	30	20	30
	3150709	09	June 2020	Professional Ethics	Humanities and Social Science	5	3	0	0	NA	3	70	30	0	0
	3150910	09	June 2020	Electrical Machine- II	Professional Core	5	4	0	2	NA	5	70	30	20	30
	3150911	09	June 2020	Power System- II	Professional Core	5	4	0	2	NA	5	70	30	20	30
	3150912	09	June 2020	Signals and Systems	Professional Core	5	3	0	2	NA	4	70	30	20	30
	3150913	09	June 2020	Disaster Management	Open Elective - I	5	3	0	0	NA	3	70	30	0	0
	3151108	09	June 2020	Python Programming	Open Elective - I	5	2	0	2	NA	3	70	30	20	30
	3151910	09	June 2020	Operation Research	Open Elective - I	5	3	0	0	NA	3	70	30	0	0
	3160001	09	Dec-2020	Design Engineering II B	Project Work	6	0	0	2	NA	1	0	0	20	80
	3160002	09	Dec-2020	Contributor Personality Development Program	Personality development Elective	6	2	0	0	NA	2	70	30	20	30
	3160003	09	Dec-2020	Integrated Personality Development Course	Personality development Elective	6	2	0	0	NA	2	70	30	20	30
	3160004	09	Dec-2020	Fundamental of Semiconductor Package Manufacturing and Test	Open elective - II	6	3	0	0	NA	3	70	30	0	0
	3160914	09	Dec-2020	Microprocessors and Microcontrollers	Professional Core	6	4	0	2	NA	5	70	30	20	30
	3160915	09	Dec-2020	Electrical Measurement and Measuring Instruments	Professional Core	6	4	0	2	NA	5	70	30	20	30
	3160916	09	Dec-2020	Energy Conservation	Professional Elective - I	6	3	0	0	NA	3	70	30	0	0
	3160917	09	Dec-2020	Wind And Solar Energy	Professional Elective - I	6	3	0	0	NA	3	70	30	0	0
	3160918	09	Dec-2020	Element of Electrical Design	Professional Elective - I	6	3	0	0	NA	3	70	30	0	0
	3160919	09	Dec-2020	Electric Drives	Professional Elective - II	6	3	0	2	NA	4	70	30	20	30
	3160920	09	Dec-2020	Inter Connected Power System	Professional Elective - II	6	3	0	2	NA	4	70	30	20	30
	3160921	09	Dec-2020	HVDC Transmission Systems	Professional Elective - II	6	3	0	2	NA	4	70	30	20	30
	3160922	09	Dec-2020	Object Oriented Programming	Open elective - II	6	2	0	2	NA	3	70	30	20	30

	3160923	09	Dec-2020	Electrical Materials	Open elective - II	6	3	0	0	NA	3	70	30	0	0
	3161925	09	Dec-2020	Cyber Laws and Ethics	Open elective - II	6	3	0	0	NA	3	70	30	0	0
	3170001	09	June 2021	Summer Internship	Project	7	0	0	0	NA	2	0	0	20	80
	3170906	09	June 2021	Advanced Power Electronics	Professional Elective - IV	7	3	0	2	NA	4	70	30	20	30
	3170908	09	June 2021	Switchgear And Protection	Professional Core	7	4	0	2	NA	5	70	30	20	30
	3170909	09	June 2021	AC Machine Design	Professional Elective - III	7	3	0	2	NA	4	70	30	20	30
	3170914	09	June 2021	Advanced Microcontrollers	Professional Elective - III	7	3	0	2	NA	4	70	30	20	30
	3170915	09	June 2021	Power System Dynamics and Control	Professional Elective - III	7	3	0	2	NA	4	70	30	20	30
	3170916	09	June 2021	Advanced Electric Drives	Professional Elective - IV	7	3	0	2	NA	4	70	30	20	30
	3170917	09	June 2021	High Voltage Engineering	Professional Elective - IV	7	3	0	2	NA	4	70	30	20	30
	3170918	09	June 2021	Digital Signal Processors	Professional Elective - V	7	3	0	0	NA	3	70	30	0	0
	3170919	09	June 2021	Power System Operation and Control	Professional Elective - V	7	3	0	0	NA	3	70	30	0	0
	3170920	09	June 2021	Industrial Electrical Systems	Professional Elective - V	7	3	0	0	NA	3	70	30	0	0
	3170921	09	June 2021	Power Quality and FACTS	Professional Elective - VI	7	3	0	0	NA	3	70	30	0	0
	3170922	09	June 2021	Smart Grids	Professional Elective - VI	7	3	0	0	NA	3	70	30	0	0
	3170923	09	June 2021	Electrical and Hybrid Vehicle	Professional Elective - VI	7	3	0	0	NA	3	70	30	0	0
	3170924	09	June 2021	AI and Machine Learning	Open Elective - III	7	3	0	0	NA	3	70	30	0	0
	3170925	09	June 2021	Industrial Automation	Open Elective - III	7	2	0	2	NA	3	70	30	20	30
	3171108	09	June 2021	Internet of Things	Open Elective - III	7	2	0	2	NA	3	70	30	20	30
	3180901	09	Dec 2021	Internship/Project	Project Work	8	0	0	24	NA	12	0	0	100	100