Intake:	2020 onwards	Specialization:	Electrical Engineering
	Details of the Curriculum	Stream:	

Module Code	Module Name	Category C/E/O	Time allocation [Hours/Week]		Credits offered		Norm		Evaluation %	
			Lecture	Lab / Tute	GPA	NGPA	GPA	NGPA	CA	WE
Semester 1		**Specialization requirement**					**15.0**			
MA1014	Mathematics	C	5/2	1	3.0		15.0	0.0	20	80
CS1033	Programming Fundamentals	C	2	2	3.0				20	80
EE1040	Electrical Fundamentals	C	2	2/4	2.0				20	80
ME1033	Mechanics	C	2	2/4	2.0				20	80
CE1023	Fluid Mechanics	C	2	2/4	2.0				20	80
MT1023	Properties of Materials	C	2	2/4	2.0				20	80
EL1030	Language Skills Enhancement [S1 & S2]	C	0	2	1.0				100	0
		Total			**15.0**	**0.0**	**15.0**	**0.0**		
Semester 2		**Specialization requirement**					**18.0**			
EE2094	Theory of Electricity	C	2	2	3.0		18.0	0.0	30	70
EE3954	Communication and Presentation Skills	C	1	2	2.0				100	0
MA1024	Methods of Mathematics	C	5/2	1	3.0				30	70
EN1803	Basic Electronics for Engineering Applications	C	2	2	3.0				40	60
CS2843	Computer Systems	C	2	2	3.0				40	60
ME1803	Introduction to Manufacturing Processes	C	2	2	3.0				40	60
EL1030	Language Skills Enhancement [S1 & S2]	C	0	2	1.0				100	0
		Total			**18.0**	**0.0**	**18.0**	**0.0**		
Semester 3		**Specialization requirement**					**18.0**			
EE2100	Circuits and Fields	C	2	2	3.0		18.0	0	30	70
EE3024	Digital Signal Processing	C	2	2	3.0				40	60
EE3204	Engineering Systems Design	C	2	2	3.0				100	0
MA2014	Differential Equations	C	2	0	2.0				30	70
MA2024	Calculus	C	2	0	2.0				30	70
CE1823	Aspects of Civil Engineering	C	2	0	2.0				30	70
ME1823	Fundamentals of Engineering Thermodynamics and Applications	C	5/2	2/2	3.0				30	70
		Total			**18.0**	**0**	**18**	**0**		
Semester 4		**Specialization requirement**					**19.0**			
EE2024	Electrical Machines in Power Systems	C	2	2	3.0		19.0	0.0	30	70
EE2034	Power Systems I	C	2	2	3.0				40	60
EE2044	Electrical Measurements and Instrumentation	C	2	2	3.0				40	60
EE2054	Control Systems	C	2	2	3.0				30	70
CS2833	Modular Software Development	C	2	2	3.0				50	50
MA3014	Applied Statistics	C	2	0	2.0				30	70
MA3024	Numerical Methods	C	2	0	2.0				30	70
		Total			**19.0**	**0.0**	**19.0**	**0.0**		
Semester 5		**Specialization requirement**					**22.0**			
EE2074	Electric Motors in Industry	C	2	2	3.0		19.0	0.0	30	70
EE2084	Power Systems II	C	2	2	3.0				40	60
EE3054	Power Electronics and Applications I	C	2	2	3.0				30	70
EE3074	Electrical Installations	C	2	2	3.0				30	70
EE3080	High Voltage Engineering	C	2	2	3.0				40	60
EE3880	Engineer and Society [S5 & S6]	C	0	2	1.0				100	0
EE4111	Industrial Automation	C	2	2	3.0				40	60
MN3043	Business Economics and Financial Accounting	E	3	0	3.0		3.0		30	70
MN3053	Industrial Management and Marketing	E	3	0	3.0				30	70
		Total			**25.0**	**0.0**	**22.0**	**0.0**		
Industrial Training		**Specialization requirement**					**6.0**			
EE3994	Industrial Training	C				6.0		6.0	100	0
		Total			**0.0**	**6.0**	**0**	**6**		
Semester 6		**Specialization requirement**					**8.0**			
EE3100	Workplace Skills	C	1	2	2.0		8.0	0.0	100	0
EE3880	Engineer and Society [S5 & S6]	C	1	2	2.0				100	0
HM-1	Humanities I	C	2	0	2.0				30	70
HM-2	Humanities II	C	2	0	2.0				30	70
		Total			**8.0**	**0.0**	**8.0**	**0.0**		

Intake:	2020 onwards	Specialization:	Electrical Engineering

Semester 7		Specialization requirement					18.0			
EE3044	Power Systems III	C	2	2	3.0				40	60
EE4064	Power Electronics and Applications II	C	2	2	3.0				30	70
EE4204	Design Project [S7 & S8]	C	0	8	4.0		15.0		100	0
EE4224	Renewable Energy and Environment	C	2	2	3.0				40	60
MN4023	Engineering Economics	C	2	0	2.0				30	70
EE4340	Microgrids	E	2	2	3.0			0.0	50	50
EE4360	Embedded Systems Design and Programming	E	2	2	3.0		3.0		60	40
EE4370	Lightning Protection and Earthing Design	E	2	2	3.0				30	70
EE4214	Robotics and Control	E	2	2	3.0				40	60
EE4350	Building Management Systems	E	2	2	3.0		-		40	60
EE4715	Nuclear Power and Engineering Applications	E	2	2	3.0				40	60
		Total			33.0	0.0	18.0	0.0		

Semester 8		Specialization requirement					14.0			
EE4204	Design Project [S7 & S8]	C	0	8	4.0				100	0
EE4251	Electrical Drives	C	2	2	3.0		9.0		30	70
MN4151	Project Management	C	2	0	2.0				30	70
EE3064	Energy Systems	E	2	2	3.0				40	60
EE4271	High Voltage Applications in Power Systems	E	2	2	3.0		3.0		50	50
EE4390	Intelligent systems and Machine Learning	E	2	2	3.0			0.0	50	50
EE4380	Reliability Evaluation of Engineering Systems	E	2	2	3.0				40	60
EE4410	Electrical Services for Buildings	E	2	2	3.0		-		40	60
EE4420	Industrial Networks of Things	E	2	2	3.0				40	60
MN4011	Business Plan Development	E	2	0	2.0		2.0		40	60
MN4043	Technology Management	E	2	0	2.0				30	70
		Total			31	0	14.0	0.0		
		Grand Total			167.0	6.0	132.0	6.0		

Total credit requirement for the Specialization	138.0
Faculty/Specialization Electives beyond the specialization requirements [refer faculty electives table]*	12.0
TOTAL CREDIT REQUIREMENT FOR GRADUATION	150.0

Service modules

Code	Module Name	Semeter	Time allocation [Hours/Week]		Credits		Offered to	Evaluation %	
			Lecture	Lab / Tute	GPA	NGPA		CA	WE
EE1040	Electrical Fundamentals	1	2	2/4	2		All Departments	20	80
EE2094	Theory of Electricity	2	2	2	3		CS/ENTC	30	70
EE2804	Applied Electricity	2, 3	2	2	3		ME	40	60