

ELECTRICAL ENGINEERING

Programme: B. Tech/E.E.

Semester : III

Year : July 2017

Courses to be offered:

Course No.	Course Title	Course Type	Contact Hour			Credit	Remarks
			L	T	P		
MA 201	Mathematics – III	SC	3	0	0	3	
EE 201	Electronic Devices & Circuits	DC	3	1	0	4	
EE 251	Electronic Devices & Circuits Lab	DC	0	0	2	1	
EE 202	Digital Logic Design	DC	3	1	0	4	
EE 252	Digital Logic Design Lab	DC	0	0	2	1	
EE 203	Network Analysis	DC	3	1	0	4	
EE 253	Network Analysis Lab	DC	0	0	2	1	
PH 201	Physics of Materials	SE	3	0	0	3	
CS 210	OE-I (Data Structures & Algorithms)	OE – I	3	0	0	3	
CS260	OE-I (Data Structures & Algorithms Laboratory)	OE – I	0	0	2	1	
			18	3	8		
			29			25	

Sc. Core (SC); Sc. Electives (SE); Engg. Sc. Core (ESC); HSS Core (HSC); HSS Elective (HSE); Discipline Core (DC); Discipline Elective (DE); Open Elective (OE); Project Work (PW)

Programme: B. Tech/E.E

Semester : V

Year : July 2017

Course No.	Course Title	Course Type	Contact Hour			Credit	Remarks
			L	T	P		
EE 301	Microprocessors & Interfacing	DC	3	0	2	4	
EE 302	Electrical Machines-II	DC	3	1	2	5	
EE 303	Control Systems	DC	3	0	2	4	
EE 311	DE-I (e.g. Power System Analysis)	DE	3	0	0	3	
EE 313	OE-III (Analog Electronics)	OE	3	0	2	4	
HS 301	Foundations of Management	HSC	3	0	0	3	
			18	1	8		
			27			23	

DC- Discipline Core,

SE- Science Elective,

OE- Open Elective

Programme: B. Tech/E.E.

Semester : VII

Year : July 2017

Course No.	Course Title	Course Type	Contact Hour			Credit	Remarks
			L	T	P		
EE 401	Project-I	PW	0	0	8	4	
EE 413	DE-III (High Voltage Engineering)	DE	3	0	2	4	
EE 422	DE-IV (Power System Operation & Control)	DE	3	0	2	4	
EC 303	OE-V (Digital Signal Processing)	OE	3	0	2	4	
HS 401	Professional Ethics	HSC	2	0	0	2	
HS 402	Introduction to Economics	HSE	3	0	0	3	
			14	0	14	21	
			28				

DC- Discipline Core,

SE- Science Elective,

OE- Open Elective

Programme: M. Tech/E.E.

Semester : I

Year : July 2017

Course No.	Course Title	Contact Hour			Credit	Remarks
		L	T	P		
Semester-I						
EE 501	Power System Interconnection & Control	3	0	0	3	
EE 502	Advanced Power Converters	3	0	0	3	
EE 503	Renewable and Distributed Energy Systems	3	0	0	3	
EE 515	Elective - I (Instrumentation & Control In Energy Systems)	3	0	0	3	
EE 533	Elective - II (Synchrophasor Technology)	3	0	0	3	
EE 551	Power & Energy Systems Lab	0	0	6	3	
		21			18	