

MODEL PLAN

Semester I Contact Hours: 27, Credit: 22

Course Category	Course Code	Course Title	Contact Hours			Credit
			L	T	P	
SC	MA 101	Mathematics – I	3	1	0	4
SC	CH 101	Engineering Chemistry	3	1	0	4
SC	CH 151	Engineering Chemistry Lab	0	0	2	1
ESC	ME 101	Engineering Mechanics	3	0	0	3
ESC	CE 101	Engineering Drawing	1	0	4	3
ESC	EE 101	Basic Electrical Engineering	3	0	0	3
ESC	EE 151	Basic Electrical Engg. Lab	0	0	2	1
HSC	HS 101	English Language Skills	2	0	0	2
HSC	HS 151	English Lang. Skills Lab	0	0	2	1
			15	2	10	22

Semester II Contact Hours: 27, Credit: 22

Course Category	Course Code	Course Title	Contact Hours			Credit
			L	T	P	
SC	MA 102	Mathematics – II	3	1	0	4
SC	ES 101	Environmental Science	2	0	0	2
SC	PH 101	Engineering Physics	3	1	0	4
SC	PH 151	Engineering Physics Lab	0	0	2	1
ESC	ME 102	Engineering Thermodynamics	2	0	0	2
ESC	EC 101	Basic Electronics	3	0	0	3
ESC	EC 151	Basic Electronics Lab	0	0	2	1
ESC	CS 101	Computer Programming	2	0	0	2
ESC	CS 151	Computer Programming Lab	0	0	2	1
ESC	ME 103	Workshop Practice – I	0	0	4	2
			15	2	10	22

Semester III						
Contact Hours: 29, Credit: 25						
Course Category	Course Code	Course Title	Contact Hours			Credit
			L	T	P	
SC	MA 201	Mathematics – III	3	0	0	3
DC	EE 201	Electronic Devices & Circuits	3	1	0	4
DC	EE 251	Electronic Devices & Circuits Lab	0	0	2	1
DC	EE 202	Digital Logic Design	3	1	0	4
DC	EE 252	Digital Logic Design Lab	0	0	2	1
DC	EE 203	Network Analysis	3	1	0	4
DC	EE 253	Network Analysis Lab	0	0	2	1
SE		Relevant course in Science	3	0	0	3
OE – I		Relevant course in CSE/ECE/EE	3	0	0	3
OE – I		Corresponding Lab of OE -I	0	0	2	1
			18	3	8	25

Semester IV						
Contact Hours: 30, Credit: 24						
Course Category	Course Code	Course Title	Contact Hours			Credit
			L	T	P	
SC	MA 203	Scientific Computing	3	0	0	3
SC	MA 210	Mathematics Lab	0	0	4	2
DC	EE 204	Measurement & Instrumentation	3	1	0	4
DC	EE 254	Measurement & Instrumentation Lab	0	0	2	1
DC	EE 205	Transmission & Distribution	3	1	0	4
DC	EE 255	Transmission & Distribution Lab	0	0	2	1
DC	EE 206	Electrical Machine – I	3	1	0	4
DC	EE 256	Electrical Machine – I Lab	0	0	2	1
OE – II		Relevant course in CSE/ECE/EE	3	0	0	3
OE – II		Corresponding Lab of OE -II	0	0	2	1
			15	3	12	24

Semester V						
Contact Hours: 25, Credit: 23						
Course Category	Course Code	Course Title	Contact Hours			Credit
			L	T	P	
DC	EE 301	Microprocessor & Interfacing	3	0	0	3
DC	EE 351	Microprocessor & Interfacing Lab	0	0	2	1
DC	EE 302	Electrical Machines – II	3	1	0	4
DC	EE 352	Electrical Machines – II Lab	0	0	2	1
DC	EE 303	Control Systems	3	0	0	3
DC	EE 353	Control Systems Lab	0	0	2	1
HSC	HS 301	Foundations of Management	3	0	0	3
DE - I		Relevant course in EE	3	0	0	3
OE – III		Relevant course in CSE/ECE/EE	3	0	0	3
OE – III		Corresponding Lab of OE -III	0	0	2	1
			18	1	6	23

Semester VI						
Contact Hours: 26, Credit: 23						
Course Category	Course Code	Course Title	Contact Hours			Credit
			L	T	P	
DC	EE 304	Power Electronics	3	1	0	4
DC	EE 354	Power Electronics Lab	0	0	2	1
DC	EE 305	Electromagnetic Theory	3	0	0	3
DC	EE 306	Protection & Switchgear	3	1	0	4
DC	EE 356	Protection & Switchgear Lab	0	0	2	1
HSC	HS 302	Accounting & Financial Methods	3	0	0	3
DE – II		Relevant course in EE	3	0	0	3
DE – II		Corresponding Lab of DE -II	0	0	2	1
OE – IV		Relevant course in CSE/ECE/EE	3	0	0	3
			18	2	6	23

Semester VII						
Contact Hours: 24, Credit: 19						
Course Category	Course Code	Course Title	Contact Hours			Credit
			L	T	P	
PW	EE 401	Project – I	0	0	8	4
HSC	HS 401	Professional Ethics	2	0	0	2
DE – III		Relevant course in EE	3	0	0	3
DE – III		Corresponding Lab of DE -III	0	0	2	1
DE – IV		Relevant course in EE	3	0	0	3
OE - V		Relevant course in CSE/ECE/EE	3	0	0	3
HSE		Relevant course in HSS	3	0	0	3
			14	0	10	19

Semester VIII						
Contact Hours: 27, Credit: 18						
Course Category	Course Code	Course Title	Contact Hours			Credit
			L	T	P	
PW	EE 402	Project – II	0	0	16	8
DE – V		Relevant course in EE	3	0	0	3
DE – V		Corresponding Lab of DE -III	0	0	2	1
DE - VI		Relevant course in EE	3	0	0	3
OE - VI		Relevant course in CSE/ECE/EE	3	0	0	3
			9	0	18	18