

## Model Plan: Electrical Engineering

For Batch 2016 onward

### SEMESTER- I

Course No.	Course Title	Course Type	L	T	P	C	Remarks
MA 101	Mathematics – I	SC	3	1	0	4	
ME 101	Engineering Mechanics	ESC	3	0	0	3	
CH 101	Engineering Chemistry	SC	3	1	0	4	
CE 101	Engineering Drawing	ESC	1	0	0	1	
HS 101	English Language Skills	HSC	2	0	0	2	
EE 101	Basic Electrical Engineering	ESC	3	0	0	3	
CH 151	Engineering Chemistry Lab	SC	0	0	2	1	
CE 151	Engineering Drawing Lab	ESC	0	0	4	2	
HS 151	English Language Skills Lab	HSC	0	0	2	1	
EE 151	Basic Electrical Engineering Lab	ESC	0	0	2	1	
			15	2	10		
			<b>27</b>			<b>22</b>	

### SEMESTER II

Course No.	Course Title	Course Type	L	T	P	Cr	Remarks
MA 102	Mathematics – II	SC	3	1	0	4	
EC 101	Basic Electronics	ESC	3	0	0	3	
PH 101	Engineering Physics	SC	3	1	0	4	
ME 102	Engineering Thermodynamics	ESC	2	0	0	2	
ES 101	Environmental Science	SC	2	0	0	2	
CS 101	Computer Programming	ESC	2	1	0	3	
ME 103	Workshop Practice-I	ESC	0	0	4	2	
EC151	Basic Electronics Lab	ESC	0	0	2	1	
PH151	Engineering Physics Lab	SC	0	0	2	1	
CS151	Computer Programming Lab	ESC	0	0	2	1	
			15	2	10		
		<b>Total</b>	<b>27</b>			<b>23</b>	

*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)*

**Semester-III**

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 (e.g. Data Structures & Algorithms)	OE – I	3	0	0	3	
CS260	OE-I (e.g. Data Structures & Algorithms Laboratory)	OE – I	0	0	2	1	
			<b>18</b>	<b>3</b>	<b>8</b>		
			<b>29</b>			<b>25</b>	

*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)*

**Semester-IV**

Course No.	Course Title	Course Type	L	T	P	Cr
EE 204	Measurement & Instrumentation	DC	3	1	0	4
EE 254	Measurement & Instrumentation Lab	DC	0	0	2	1
EE 205	Transmission & Distribution	DC	3	1	0	4
EE 255	Transmission & Distribution Lab	DC	0	0	2	1
EE 206	Electrical Machine I	DC	3	1	0	4
EE 256	Electrical Machine – I Lab	DC	0	0	2	1
Xnnn	OE-II	OE	3	0	2	4
MA 203	Scientific Computing	SC	3	0	0	3
MA 210	Mathematics Laboratory	SC	0	0	4	2
	Total		15	3	12	
	<b>Total Contact Hours per week</b>		<b>30</b>			<b>24</b>

*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)*

**Semester-V**

Course No.	Course Title	Course Type	Contact Hour			Credit	Remarks
			L	T	P		
EE 301	Microprocessors & Interfacing	DC	3	0	0	3	
EE 302	Electrical Machines-II	DC	3	1	0	4	
EE 303	Control Systems	DC	3	0	0	3	
	<i>Departmental Elective-I</i>	DE	3	0	0	3	
	<i>Open Elective-III</i>	OE	3	0	0	3	
HS 301	Foundations of Management	HSC	3	0	0	3	
EE 351	Microprocessor & Interfacing Lab	DC	0	0	2	1	
EE 352	Electrical Machines – II Lab	DC	0	0	2	1	
EE 353	Control Systems Lab	DC	0	0	2	1	
	<i>Open Elective-III (Lab)</i>	OE	0	0	2	1	
			18	1	8		
			<b>27</b>			<b>23</b>	