

## B.Tech Electrical Engineering Curriculum - 2016 Batch

### SEMESTER - I

S.No	Course No	Course Name	Category	L-T-P-C
1.	CS1100	Computational Engineering	BET	2-0-3-4
2.	CY1010	Chemistry – I (Physical & Theoretical)	SCY	2-1-0-3
3.	ID1100	Concepts in Engineering & Design	BET	3-0-0-3
4.	MA1010	Mathematics-I	SMA	3-1-0-4
5.	ME1120	Engineering Drawing	BES	1-0-3-3
6.	PH1010	Physics-I	SPH	2-1-0-3
7.	PH1030	Physics Lab	SPH	0-0-3-2
8.	WS1010	Workshop-I	BES	0-0-3-2
<b>Total</b>				<b>24</b>

### SEMESTER - II

S.No	Course No	Course Name	Category	L-T-P-C
1.	AM1100	Engineering Mechanics	BET	3-1-0-4
2.	CY1020	Chemistry – II (Organic & Inorganic)	SCY	2-1-0-3
3.	CY1030	Chemistry Lab	SCY	0-0-3-2
4.	GN1100	Life skills	BES	2-0-0-2
5.	ID1200	Ecology and Environment	BET	2-0-0-2
6.	MA1020	Mathematics-II	SMA	3-1-0-4
7.	ME1100	Thermodynamics	BET	2-1-0-3
8.	PH1020	Physics – II	SPH	2-1-0-3
9.	WS1020	Workshop – II	BES	0-0-3-2
<b>Total</b>				<b>25</b>

### SEMESTER - III

S.No	Course No	Course Name	Category	L-T-P-C
1.	EE1001	Electric Circuits & Networks	PMT	3-1-0-4
2.	EE2002	Signals & Systems	PMT	3-1-0-4
3.	EE2001	Digital Systems	PMT	3-1-0-4
4.	EE2702	Digital Circuits Lab	PML	0-0-3-2
5.	BT1010	Life Sciences	SLS	2-0-0-2
6.	MAE1	Mathematics Elective 1	SMA	3-0-0-3
7.	HSE1	Humanities Elective 1	HSS	3-0-0-3
<b>Total</b>				<b>22</b>

### SEMESTER - IV

S.No	Course No	Course Name	Category	L-T-P-C
1.	EE2003	Solid State devices	PMT	3-1-0-4
2.	EE2004	Digital Signal Processing	PMT	3-1-0-4
3.	EE2005	Electrical Machines	PMT	3-1-0-4
4.	EE2006	Communication Systems	PMT	3-1-0-4
5.	EE2701	Electrical Machines Lab	PML	0-0-3-2
6.	MAE2	Mathematics Elective 2	SMA	3-0-0-3
7.	HSE2	Humanities Elective 2	HSS	3-0-0-3
<b>Total</b>				<b>24</b>

**SEMESTER – V**

S.No	Course No	Course Name	Category	L-T-P-C
1.	EE3001	Electromagnetic Fields	PMT	3-1-0-4
2.	EE3002	Analog Circuits	PMT	3-1-0-4
3.	EE3003	Power Systems	PMT	3-1-0-4
4.	EE3004	Control Engineering	PMT	3-1-0-4
5.	EE3701	Microcontroller & DSP Lab	PML	0-0-3-2
6.	EE3702	Analog Circuits Lab	PML	0-0-3-2
7.	FRE1	Free Elective 1	FRE	3-0-0-3
<b>Total</b>				<b>23</b>

**SEMESTER - VI**

S.No	Course No	Course Name	Category	L-T-P-C
1.	EE3005	Power Electronics	PMT	3-0-0-3
2.	EE3006	Principles of Measurement	PMT	3-1-0-4
3.	DPE1	Department Elective 1	PMT	3-0-0-3
4.	DPE2	Department Elective 2	PMT	3-0-0-3
5.	EE3703	Electrical CAD Lab	PML	0-0-3-2
6.	FRE2	Free Elective 2	FRE	3-0-0-3
7.	FRE3	Free Elective 3	FRE	3-0-0-3
8.	EE3020	Industrial/ Research Internship	PIT	--- 2
<b>Total</b>				<b>23</b>

**SEMESTER - VII**

S.No	Course No	Course Name	Category	L-T-P-C
1.	EE4701	Advanced EE Laboratory	PML	0-0-3-2
2.	EE4900	Project - I	PMP	--- 3
3.	IL4103	Industrial Lecture	PIL	1-0-0-1
4.	DPE3	Department Elective 3	PMT	3-0-0-3
5.	DPE4	Department Elective 4	PMT	3-0-0-3
6.	FRE4	Free Elective 4	FRE	3-0-0-3
7.	HSE3	Humanities Elective 3	HSS	2-0-0-2
<b>Total</b>				<b>17</b>

**SEMESTER – VIII**

S.No	Course No	Course Name	Category	L-T-P-C
1.	EC4201	Project - II	PMP	--- 9
2.	HS3050	Professional Ethics	HPE	2-0-0-2
3.	DPE5	Department Elective 5	PMT	3-0-0-3
<b>Total</b>				<b>14</b>

Total Credits 172