

## B.Tech Electrical Engineering - Curriculum

### Semester - I

S.No	Course No	Course Name	L-T-P-C*
1	CS1100	Computational Engineering ( <a href="#">Syllabus</a> )	2-0-3-4
2	CY1010	Chemistry – I (Physical & Theoretical) ( <a href="#">Syllabus</a> )	2-1-0-3
3	ID1100	Concepts in Engineering & Design ( <a href="#">Syllabus</a> )	3-0-0-3
4	MA1010	Mathematics-I ( <a href="#">Syllabus</a> )	3-1-0-4
5	ME1120	Engineering Drawing ( <a href="#">Syllabus</a> )	0-0-3-3
6	PH1010	Physics-I ( <a href="#">Syllabus</a> )	2-1-0-3
7	PH1030	Physics Lab-I	0-0-3-2
8	WS1010	Workshop-I ( <a href="#">Syllabus</a> )	0-0-3-2

### Semester - II

S.No	Course No	Course Name	L-T-P-C*
1	AM1100	Engineering Mechanics ( <a href="#">Syllabus</a> )	3-1-0-4
2	CY1020	Chemistry – II (Organic & Inorganic) ( <a href="#">Syllabus</a> )	2-1-0-3
3	CY1030	Chemistry Lab – I ( <a href="#">Syllabus</a> )	0-0-3-2
4	GN1100	Life skills	2-0-0-2
5	ID1200	Ecology and Environment	2-0-0-2
6	MA1020	Mathematics-II ( <a href="#">Syllabus</a> )	3-1-0-4
7	ME1100	Thermodynamics ( <a href="#">Syllabus</a> )	2-1-0-3
8	PH1020	Physics – II ( <a href="#">Syllabus</a> )	2-1-0-3
9	WS1020	Workshop – II	0-0-3-2

### Semester - III

S.No	Course No	Course Name	L-T-P-C*
1	EE1001	Electric Circuits & Networks ( <a href="#">Syllabus</a> )	3-1-0-4
2	EE2002	Signals & Systems ( <a href="#">Syllabus</a> )	3-1-0-4
3	EE2001	Digital Systems ( <a href="#">Syllabus</a> )	3-1-0-4
4	EE2702	Digital Circuits Lab ( <a href="#">Syllabus</a> )	0-0-3-2
5	BT1010	Life Sciences	2-0-0-2
6	MAE1	Mathematics Elective 1 ( <a href="#">Syllabus</a> )	3-0-0-3
7	HSE1	Humanities Elective 1	3-0-0-3

### Semester - IV

S.No	Course No	Course Name	L-T-P-C*
1	CS2600	Computer Organization	3-0-0-3
2	EE2004	Digital Signal Processing	3-1-0-4
3	EE2005	Electrical Machines	3-1-0-4
4	EE2006	Electromagnetic Fields	3-1-0-4
5	EE2701	CAD Laboratory	0-0-3-2
6	MAE2	Mathematics Electives-2	3-0-0-3
7	HSE2	Humanities Electives-2	3-0-0-3

### SEMESTER V

No	Title	Credit	Instructor
EE3001	Solid State Devices	4	
EE3002	Analog Circuits	4	
EE3003	Power Systems	4	
EE3004	Control Engineering	4	
EE3701	Microprocessor Laboratory	2	
EE3702	Electrical Machines Laboratory	2	
MNS1	Minor Elective 1	3	
	TOTAL	23	

## SEMESTER VI

No	Title	Credit	Cat
EE3005	Communication Systems	4	PMT
EE3006	Principles of Measurement	4	PMT
EE3020	Industrial Training	2	PIT
EE3703	Analog Circuits Laboratory	2	PML
DPE1	Department Elective 1	3	PMT
DPE2	Department Elective 2	3	PMT
DPE3	Department Elective 3	3	PMT
MNS2	Minor Elective 2	3	MNS
	TOTAL	24	

## SEMESTER VII

No	Title	Credit	Cat
EE4701	Advanced EE Laboratory	2	PML
EE4900	B.Tech Project	9	PMP
IL4103	Industrial Lecture	1	PIL
DPE4	Department Elective 4	3	PMT
DPE5	Department Elective 5	3	PMT
DPE6	Department Elective 6	3	PMT
FRE1	Free Elective 1	3	
FRE2	Free Elective 2	3	
HSP3	Humanities Elective [Pass/Fail] 3	2	HPF
MNS3	Minor Elective 3	3	MNS
	TOTAL	32	

## SEMESTER VIII

No	Title	Credit	Cat
EC4201	Project II	8	PMP
FRE3	Free Elective 3	3	
HSE4	Humanities Elective 4	3	HSS
	TOTAL	14	