

Syllabus for B.Tech (Electrical Engineering) Up to Fourth Year

(for the students who were admitted in Academic Session 2015-2016)

IST SEMESTER

Sl. No	Code	Paper	Contact Periods / week				Total Contact Hours	Credit	Full Marks
			L	T	P	S			
1	M(EE)101	Mathematics I	3	1	-	-	4	4	100
2	CH(EE)101	Chemistry	3	1	-	-	4	4	100
3	EE 101	Basic Electrical Engineering	3	1	-	-	4	3	100
4	HU(EE)101	Professional Communication	3	1	-	-	4	3	100
5	ME(EE)101	Engineering Mechanics	3	1	-	-	4	3	100
6	CH(EE)191	Chemistry Lab	-	-	3	-	3	2	100
7	EE 191	Basic Electrical Engineering lab	-	-	3	-	3	2	100
8	DR(EE)181	Engineering Drawing Practice and Computer Graphics	1	-	-	3	4	2	100
9	X(EE)181	Extra-curricular activities (NCC/NSS training)	-	-	-	2	2	-	50
10	HU(EE)181	Language Laboratory	-	-	-	2	2	1	50
Total (Theory)							21	17	500
Total(Practical +Sessional)							13	7	400
GRAND TOTAL (THEORY+PRACTICAL+SESSIONAL)							34	24	900

2ND SEMESTER

Sl. No	Code	Paper	Contact Periods/ week				Total Contact Hours	Credit	Full Marks
			L	T	P	S			
1	M (EE)201	Mathematics II	3	1	-	-	4	4	100
2	PH(EE)201	Physics	3	1	-	-	4	4	100
3	EC(EE)201	Basic Electronics Engineering	3	1	-	-	4	3	100
4	CS(EE) 201	Computer Fundamentals & Principle of Computer Programming	3	1	-	-	4	3	100
5	ME(EE)201	Engineering Thermodynamics & Fluid Mechanics	3	1	-	-	4	3	100
6	PH(EE)291	Physics Lab.	-	-	3	-	3	2	100
7	CS(EE)291	Computer Fundamentals & Principle of Computer Programming Lab.	-	-	3	-	3	2	100
8	EC(EE)291	Basic Electronics Engineering lab	-	-	3	-	3	2	100
9	W(EE)281	Workshop Practice	1	-	-	3	4	2	100
Total(Theory)							21	17	500
Total(Practical +Sessional)							12	8	400
GRAND TOTAL (THEORY+PRACTICAL+SESSIONAL)							33	25	900

3RD SEMESTER

Sl. No.	Code	Paper	Contact Periods/ week				Total Contact Hours	Credit	Full Marks
			L	T	P	S			
1	M (EE)301	Mathematics III	3	1	-	-	4	4	100
2	CS(EE)301	Numerical Methods and Computer Programming	3	1	-	-	4	3	100
3	EC(EE)301	Analog Electronic Circuits	3	-	-	-	3	3	100
4	ME(EE)301	Thermal Power Engineering	3	-	-	-	3	3	100
5	EE301	Circuits Theory And Networks	3	1	-	-	4	3	100
6	EE302	Electrical and Electronics Measurement	3	1	-	-	4	4	100
1	CS(EE)391	Numerical Methods And Computer Programming Lab	-	-	3	-	3	2	100
2	EC(EE)391	Analog Electronics Lab	-	-	3	-	3	2	50
3	ME(EE)391	Thermal Power Engineering Lab	-	-		-			50
4	EE391	Circuit Theory and Network Lab	-	-	3	-	3	2	100
5	EE 392	Electrical and Electronics Measurements Lab.	-	-	3	-	3	2	100
Total Theory							22	20	600
Total Practical							12	8	400
GRAND TOTAL							34	28	1000

Note: Analog Electronics Lab [EC(EE)391], & Thermal Power Engineering Lab [ME(EE)391] together, will be treated as one lab.

4TH SEMESTER

Sl. No.	Code	Paper	Contact Periods/ week			Total Contact Hours	Credit	Full Marks
			L	T	P			
1	PH(EE)401	Physics II	3	1	-	4	4	100
2	EC(EE)401	Digital Electronics	3	-	-	3	3	100
3	CH(EE)401	Basic Environment & Elementary Biology	2	-	-	2	2	50
4	EE 401	Electrical Machines I	4	0	-	4	4	100
5	EE 402	Field Theory	4	-	-	4	4	100
6	CS(EE)403	Data Structure & Algorithm	3	1	-	4	3	100
1	PH(EE)401	Physics II Lab	-	-	3	3	2	100
2	EE491	Electrical machine-I lab	-	-	3	3	2	100
3	CS(EE)493	Data Structure & Algorithm Lab	-	-	3	3	2	100
4	EC(EE)491	Digital Electronics lab	-	-	3	3	2	50
5	HU(EE)481	Technical Report Writing & Language Laboratory Practice	-	-				50
Total Theory						21	21	550
Total Practical						9	7	300
TOTAL						30	27	850

Note: Digital Electronics Lab [EC(EE)491], & Technical Report Writing & Language Laboratory Practice [HU(EE)481] together, will be treated as one lab.

5TH SEMESTER

Sl. No.	Code	Paper	Contact Periods Per Weeks				Total Contact Hours	Credit	Full Marks
			L	T	P	S			
1	HU(EE)501	Financial & Industrial management	3	0	0	0	3	2	100
2	EE501	Electrical Machines-II	4	0	0	0	4	4	100
3	EE502	Power Systems-I	4	0	0	0	4	4	100
4	EE503	Control Systems	4	0	0	0	4	4	100
5	EE504	Microprocessor and Microcontroller	3	0	0	0	3	3	100
1	EE591	Electrical Machines-II Lab	0	0	3	0	3	2	100
2	EE592	Power Systems-I Lab	0	0	3	0	3	2	100
3	EE593	Control Systems Lab	0	0	3	0	3	2	100
4	EE594	Microprocessor and Microcontroller lab	0	0	3	0	3	2	100
5	EE581	Electrical System Design-I	1	0	0	3	4	2	100
Total theory							19	17	500
Total Practical & Sessional							15	10	500
TOTAL							34	27	1000

6TH SEMESTER

Sl. No.	Code	Paper	Contact Periods Per Weeks				Total Contact Hours	Credit	Full Marks
			L	T	P	S			
1	EC(EE)601	Elective I a. Digital Signal Processing (DSP) b. Digital Communication c. Cloud Computing	2	1	0	0	3	2	100
2	EE601	Modern Control Theory	3	1	0	0	4	3	100
3	EE602	Power Systems-II	4	0	0	0	4	3	100
4	EE604	Power Electronics	4	0	0	0	4	3	100
5	EE605	Elective I a. Renewable and Non-conventional Energy b. Computational Intelligence c. XXXXXX	3	0	0	0	3		100
6	CS (EE)601	Elective II a. Object oriented Programming b. Computer architecture and operating systems c. Software Engineering	3	1	0	0	4	2	100
1	EE692	Power Systems-II Lab	0	0	3	0	3	2	100
2	EE693	Modern Control System Lab	0	0	3	0	3	2	100
3	EE694	Power Electronics Lab	0	0	3	0	3	2	100
4	EE 681	Electrical System Design –II	1	0	-	3	4	2	100
5	EE671	Industrial Training	0	0	0	0	0	0	50
6	EE682	Group Discussion & Seminar	0	0	0	3	3	2	50
Total Theory							22	18	600
Total Practical/ Sessional							15	10	500
TOTAL							37	28	1100
#15 days training									

7TH SEMESTER

Sl. No.	Code	Paper	Contact Periods Per Weeks				Total Contact Hours	Credits	Full Marks
			L	T	P	S			
1	HU(EE)701	Organizational Behavior	2	0	0	0	2	2	100
2	EE 701	Electric Drives	4	0	0	0	4	3	100
3	EE 702	Elective III a. Utilization of Electric Power b. Advanced Power Electronics c. Illumination Engineering	4	0	0	0	4	3	100
4	EE703	Elective-IV a. Advanced Power Systems b. Power generation and economics c. High Voltage engineering d. Advanced Electrical Measurement & Instrumentation	4	0	0	0	4	3	100
5	CS(EE)705	Elective V a. Artificial intelligence and soft computing b. Digital Image Processing c. Computer Networking d. Data Base Management System	3	1	0	0	4	2	100
1	EE791	Electric Drives lab	0	0	3	0	3	2	100
2	EE793	Elective V lab	0	0	3	0	3	2	100
3	EE781	Assigned Project	0	0	3	0	6	2	50
4	EE771	Seminar on Industrial Training and Report	0	0	0	0	0	1	50
Total Theory							18	13	500
Total Practical							12	07	300
TOTAL							30	20	800
# 30 days training report									

8TH SEMESTER

Sl. No	Code	Paper	Contact Periods Per Weeks				Total Contact Hours	Credit	Full Marks
			L	T	P	S			
1	HU801	Values and Ethics in Profession	2	0	0	0	2	2	100
2	EE 801	Elective IV a. HVDC Transmission b. Energy Management and Audit c. Power Plant Engineering	4	0	0	0	4	3	100
3	EI(EE)802	Elective V a. Sensors & Transducers b. Process control and instrumentation c. Electronic Instrumentation & Control.	3	0	0	0	3	3	100
1	EE881	Project & Thesis	0	0	0	12	2	4	100
2	EE871	Grand Viva	0	0	0	0	0	3	100
Total Theory							09	08	300
Total Practical							12	07	200
TOTAL							21	15	500

Syllabus for B.Tech (Electrical Engineering) Up to Fourth Year

(for the students who were admitted in Academic Session 2014-2015)

IST SEMESTER

Sl. No	Code	Paper	Contact Periods / week				Total Contact Hours	Credit	Full Marks
			L	T	P	S			
1	M(EE)101	Mathematics I	3	1	-	-	4	4	100
2	CH(EE)101	Chemistry	3	1	-	-	4	4	100
3	EE 101	Basic Electrical Engineering	3	1	-	-	4	3	100
4	HU(EE)101	Professional Communication	3	1	-	-	4	3	100
5	ME(EE)101	Engineering Mechanics	3	1	-	-	4	3	100
6	CH(EE)191	Chemistry Lab	-	-	3	-	3	2	100
7	EE 191	Basic Electrical Engineering lab	-	-	3	-	3	2	100
8	DR(EE)181	Engineering Drawing Practice and Computer Graphics	1	-	-	3	4	2	100
9	X(EE)181	Extra-curricular activities (NCC/NSS training)	-	-	-	2	2	-	50
10	HU(EE)181	Language Laboratory	-	-	-	2	2	1	50
Total (Theory)							21	17	500
Total(Practical +Sessional)							13	7	400
GRAND TOTAL (THEORY+PRACTICAL+SESSIONAL)							34	24	900

2ND SEMESTER

Sl. No	Code	Paper	Contact Periods/ week				Total Contact Hours	Credit	Full Marks
			L	T	P	S			
1	M (EE)201	Mathematics II	3	1	-	-	4	4	100
2	PH(EE)201	Physics	3	1	-	-	4	4	100
3	EC(EE)201	Basic Electronics Engineering	3	1	-	-	4	3	100
4	CS(EE) 201	Computer Fundamentals & Principle of Computer Programming	3	1	-	-	4	3	100
5	ME(EE)201	Engineering Thermodynamics & Fluid Mechanics	3	1	-	-	4	3	100
6	PH(EE)291	Physics Lab.	-	-	3	-	3	2	100
7	CS(EE)291	Computer Fundamentals & Principle of Computer Programming Lab.	-	-	3	-	3	2	100
8	EC(EE)291	Basic Electronics Engineering lab	-	-	3	-	3	2	100
9	W(EE)281	Workshop Practice	1	-	-	3	4	2	100
Total(Theory)							21	17	500
Total(Practical +Sessional)							12	8	400
GRAND TOTAL (THEORY+PRACTICAL+SESSIONAL)							33	25	900

3RD SEMESTER

Sl. No.	Code	Paper	Contact Periods/ week				Total Contact Hours	Credit	Full Marks
			L	T	P	S			
1	M (EE)301	Mathematics III	3	1	-	-	4	4	100
2	CS(EE)301	Numerical Methods and Computer Programming	3	1	-	-	4	3	100
3	EC(EE)301	Analog Electronic Circuits	3	-	-	-	3	3	100
4	ME(EE)301	Thermal Power Engineering	3	-	-	-	3	3	100
5	EE301	Circuits Theory And Networks	3	1	-	-	4	3	100
6	EE302	Electrical and Electronics Measurement	3	1	-	-	4	4	100
7	CS(EE)391	Numerical Methods And Computer Programming Lab	-	-	3	-	3	2	100
8	EC(EE)391	Analog Electronics Lab	-	-	3	-	3	2	50
9	ME(EE)391	Thermal Power Engineering Lab	-	-	-	-	-	-	50
10	EE391	Circuit Theory and Network Lab	-	-	3	-	3	2	100
11	EE 392	Electrical and Electronics Measurements Lab.	-	-	3	-	3	2	100
Total Theory							22	20	600
Total Practical							12	8	400
GRAND TOTAL							34	28	1000

Note: Analog Electronics Lab [EC(EE)391], & Thermal Power Engineering Lab [ME(EE)391] together, will be treated as one lab.

4TH SEMESTER

Sl. No.	Code	Paper	Contact Periods/ week			Total Contact Hours	Credit	Full Marks	
			L	T	P				
1	PH(EE) 401	Physics II	3	1	-	4	4	100	
2	EC(EE)401	Digital Electronics	3	-	-	3	3	100	
3	CH(EE)401	Basic Environment & Elementary Biology	2	-	-	2	2	50	
4	EE 401	Electrical Machines I	3	1	-	4	4	100	
5	EE 402	Field Theory	4	-	-	4	4	100	
6	EE 403	Signal and Systems	3	1	-	4	4	100	
7	EE491	Electrical machine-I lab	-	-	3	3	2	100	
8	EE 493	Signal & Systems lab	-	-	3	3	2	100	
9	EC(EE)491	Digital Electronics lab	-	-	3	3	2	50	
10	HU(EE)481	Technical Report Writing & Language Laboratory Practice	-	-	-	-	-	50	
Total Theory							21	21	550
Total Practical							9	7	300
TOTAL							30	28	850

Note: Digital Electronics Lab [EC(EE)491], & Technical Report Writing & Language Laboratory Practice [HU(EE)481] together, will be treated as one lab.

(for the students who were admitted in Academic Session 2014-2015)

5TH SEMESTER

Sl. No.	Code	Paper	Contact Periods Per Weeks				Total Contact Hours	Credit	Full Marks
			L	T	P	S			
1	HU(EE)501	Financial & Industrial management	3	0	0	0	3	2	100
2	EE501	Electrical Machines-II	4	0	0	0	4	4	100
3	EE502	Power Systems-I	4	0	0	0	4	4	100
4	EE503	Control Systems	3	1	0	0	4	4	100
5	EE504	Microprocessor and Microcontroller	3	0	0	0	3	3	100
1	EE591	Electrical Machines-II Lab	0	0	3	0	3	2	100
2	EE592	Power Systems-I Lab	0	0	3	0	3	2	100
3	EE593	Control Systems Lab	0	0	3	0	3	2	100
4	EE594	Microprocessor and Microcontroller lab	0	0	3	0	3	2	100
5	EE581	Electrical System Design-I	1	0	0	3	4	2	100
Total theory							19	17	500
Total Practical & Sessional							15	10	500
TOTAL							34	27	1000

6TH SEMESTER

Sl. No.	Code	Paper	Contact Periods Per Weeks				Total Contact Hours	Credit	Full Marks
			L	T	P	S			
1	EC(EE)601	Elective I a. Digital Signal Processing (DSP) b. Digital Communication c. Cloud Computing	2	1	0	0	3	2	100
2	EE601	Modern Control Theory	3	1	0	0	4	3	100
3	EE602	Power Systems-II	4	0	0	0	4	3	100
4	EE604	Power Electronics	4	0	0	0	4	3	100
5	EE605	Elective I a. Renewable and Non-conventional Energy b. Computational Intelligence c. XXXXXX	4	0	0	0	3		100
6	CS (EE)601	Elective II a. Object oriented Programming b. Computer architecture and operating systems c. Software Engineering	3	1	0	0	4	2	100
1	EE692	Power Systems-II Lab	0	0	3	0	3	2	100
2	EE693	Modern Control System Lab	0	0	3	0	3	2	100
3	EE694	Power Electronics Lab	0	0	3	0	3	2	100
4	EE 681	Electrical System Design –II	1	0	-	3	4	2	100
5	EE671	Industrial Training	0	0	0	0	0	0	50
6	EE682	Group Discussion & Seminar	0	0	0	3	3	2	50
Total Theory							22	18	600
Total Practical/ Sessional							15	10	500
TOTAL							37	28	1100
#15 days training									

7TH SEMESTER

Sl. No.	Code	Paper	Contact Periods Per Weeks				Total Contact Hours	Credits	Full Marks
			L	T	P	S			
1	HU(EE)701	Organizational Behavior	2	0	0	0	2	2	100
2	EE 701	Electric Drives	4	0	0	0	4	3	100
3	EE 702	Elective III a. Utilization of Electric Power b. Advanced Power Electronics c. Illumination Engineering	4	0	0	0	4	3	100
4	EE703	Elective-IV a. Advanced Power Systems b. Power generation and economics c. High Voltage engineering d. Advanced Electrical Measurement & Instrumentation	4	0	0	0	4	3	100
5	CS(EE)705	Elective V a. Artificial intelligence and soft computing b. Digital Image Processing c. Computer Networking d. Data Base Management System	3	1	0	0	4	2	100
1	EE791	Electric Drives lab	0	0	3	0	3	2	100
2	EE793	Elective V lab	0	0	3	0	3	2	100
3	EE781	Assigned Project	0	0	3	0	6	2	50
4	EE771	Seminar on Industrial Training and Report	0	0	0	0	0	1	50
Total Theory							18	13	500
Total Practical							12	07	300
TOTAL							30	20	800
# 30 days training report									

8TH SEMESTER

Sl. No .	Code	Paper	Contact Periods Per Weeks				Total Contact Hours	Credit	Full Marks
			L	T	P	S			
1	HU801	Values and Ethics in Profession	2	0	0	0	2	2	100
2	EE 801	Elective IV a. HVDC Transmission b. Energy Management and Audit c. Power Plant Engineering	4	0	0	0	4	3	100
3	EI(EE)802	Elective V a. Sensors & Transducers b. Process control and instrumentation c. Electronic Instrumentation & Control.	3	0	0	0	3	3	100
1	EE881	Project & Thesis	0	0	0	12 2	12	4	100
2	EE871	Grand Viva	0	0	0	0	0	3	100
Total Theory							09	08	300
Total Practical							12	07	200
TOTAL							21	15	500

Syllabus for B.Tech (Electrical Engineering) Up to Fourth Year

(for the students who were admitted in Academic Session 2013-2014)

IST SEMESTER

Sl. No	Code	Paper	Contact Periods / week				Total Contact Hours	Credit	Full Marks
			L	T	P	S			
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2	CH(EE)101	Chemistry	3	1	-	-	4	4	100
3	EE 101	Basic Electrical Engineering	3	1	-	-	4	3	100
4	HU(EE)101	Professional Communication	3	1	-	-	4	3	100
5	ME(EE)101	Engineering Mechanics	3	1	-	-	4	3	100
6	CH(EE)191	Chemistry Lab	-	-	3	-	3	2	100
7	EE 191	Basic Electrical Engineering lab	-	-	3	-	3	2	100
8	DR(EE)181	Engineering Drawing Practice and Computer Graphics	1	-	-	3	4	2	100
9	X(EE)181	Extra-curricular activities (NCC/NSS training)	-	-	-	2	2	-	50
10	HU(EE)181	Language Laboratory	-	-	-	2	2	1	50
Total (Theory)							21	17	500
Total (Practical +Sessional)							13	7	400
GRAND TOTAL (THEORY+PRACTICAL+SESSIONAL)							34	24	900

2ND SEMESTER

Sl. No	Code	Paper	Contact Periods/ week				Total Contact Hours	Credit	Full Marks
			L	T	P	S			
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2	PH(EE)201	Physics	3	1	-	-	4	4	100
3	EC(EE)201	Basic Electronics Engineering	3	1	-	-	4	3	100
4	CS(EE) 201	Computer Fundamentals & Principle of Computer Programming	3	1	-	-	4	3	100
5	ME(EE)201	Engineering Thermodynamics & Fluid Mechanics	3	1	-	-	4	3	100
6	PH(EE)291	Physics Lab.	-	-	3	-	3	2	100
7	CS(EE)291	Computer Fundamentals & Principle of Computer Programming Lab.	-	-	3	-	3	2	100
8	EC(EE)291	Basic Electronics Engineering lab	-	-	3	-	3	2	100
9	W(EE)281	Workshop Practice	1	-	-	3	4	2	100
Total(Theory)							21	17	500
Total(Practical +Sessional)							12	8	400
GRAND TOTAL (THEORY+PRACTICAL+SESSIONAL)							33	25	900

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3	EC(EE)301	Analog Electronic Circuits	3	-	-	-	3	3	100
4	ME(EE)301	Thermal Power Engineering	3	-	-	-	3	3	100
5	EE301	Circuits Theory And Networks	3	1	-	-	4	3	100
6	EE302	Electrical and Electronics Measurement	3	1	-	-	4	4	100
7	CS(EE)391	Numerical Methods And Computer Programming Lab	-	-	3	-	3	2	100
8	EC(EE)391	Analog Electronics Lab	-	-	3	-	3	2	50
9	ME(EE)391	Thermal Power Engineering Lab	-	-	-	-	-	-	50
10	EE391	Circuit Theory and Network Lab	-	-	3	-	3	2	100
11	EE 392	Electrical and Electronics Measurements Lab.	-	-	3	-	3	2	100
Total Theory							22	20	600
Total Practical							12	8	400
GRAND TOTAL							34	28	1000

Note: Analog Electronics Lab [EC(EE)391], & Thermal Power Engineering Lab [ME(EE)391] together, will be treated as one lab.

4TH SEMESTER

Sl. No.	Code	Paper	Contact Periods/ week			Total Contact Hours	Credit	Full Marks	
			L	T	P				
1	PH(EE) 401	Physics II	3	1	-	4	4	100	
2	EC(EE)401	Digital Electronics	3	-	-	3	3	100	
3	CH(EE)401	Basic Environment & Elementary Biology	2	-	-	2	2	50	
4	EE 401	Electrical Machines I	3	1	-	4	4	100	
5	EE 402	Field Theory	4	-	-	4	4	100	
6	EE 403	Signal and Systems	3	1	-	4	4	100	
7	EE491	Electrical machine-I lab	-	-	3	3	2	100	
8	EE 493	Signal & Systems lab	-	-	3	3	2	100	
9	EC(EE)491	Digital Electronics lab	-	-	3	3	2	50	
10	HU(EE)481	Technical Report Writing & Language Laboratory Practice	-	-	-	-	-	50	
Total Theory							21	21	550
Total Practical							9	7	300
TOTAL							30	28	850

Note: Digital Electronics Lab [EC(EE)491], & Technical Report Writing & Language Laboratory Practice [HU(EE)481] together, will be treated as one lab.

5TH SEMESTER

Sl. No.	Code	Paper	Contact Periods Per Weeks				Total Contact Hours	Credit	Full Marks
			L	T	P	S			
1	HU(EE)501	Financial & Industrial management	3	1	0	0	4	3	100
2	EE501	Electrical Machines-II	4	0	0	0	4	4	100
3	EE502	Power Systems-I	4	0	0	0	4	3	100
4	EE503	Control System-I	3	1	0	0	4	3	100
5	EE504	Power Electronics	4	0	0	0	4	3	100
6	EE591	Electrical Machines-II Lab	0	0	3	0	3	2	100
7	EE592	Power Systems-I Lab	0	0	3	0	3	2	100
8	EE593	Control System-I Lab	0	0	3	0	3	2	100
9	EE594	Power Electronics Lab	0	0	3	0	3	2	100
10	EE581	Electrical Machine Design-I	1	0	0	3	4	2	100
Total theory							21	16	500
Total Practical & Sessional							15	10	500
TOTAL							36	26	1000

6TH SEMESTER

Sl. No.	Code	Paper	Contact Periods Per Weeks				Total Contact Hours	Credit	Full Marks
			L	T	P	S			
1	EE601	Digital Signal Processor (DSP)	3	1	0	0	4	3	100
2	EE602	Power Systems-II	4	0	0	0	4	4	100
3	EE603	Control System-II	3	1	0	0	4	3	100
4	EE604	Microprocessor and Microcontroller	3	1	0	0	4	3	100
5	CS (EE)604	Elective-I a. Computer architecture and operating systems b. VLSI c. Software Engineering d. Embedded system	3	1	0	0	4	4	100
1	EE692	Power Systems-II Lab	0	0	3	0	3	2	100
2	EE693	Control System-II Lab	0	0	3	0	3	2	100
3	EE694	Microprocessor and Microcontroller lab	0	0	3	0	3	2	100
4	EE 681	Electrical Machine Design -II	1	0	-	3	4	2	100
5	EE671	Industrial Visit and/or Survey Camp	0	0	0	0	0	0	50
6	EE682	Group Discussion & Seminar	0	0	0	3	3	2	50
Total Theory							21	17	500
Total Practical/ Sessional							15	10	500
TOTAL							36	27	1000
15 days training									

(for the students who were admitted in Academic Session 2013-2014)

7TH SEMESTER

Sl. No .	Code	Paper	Contact Periods Per Weeks				Total Contact Hours	Credit	Full Marks
			L	T	P	S			
1	EE 701	Electric Drives	3	1	0	0	4	4	100
2	EE 702	Utilization of Electric Power	3	1	0	0	4	4	100
3	EE 703	Renewable & Non Conventional Energy	4	0	0	0	4	3	100
4	EE704	Elective-II a. Advanced Power Systems b. Power generation and economics c. High Voltage engineering d. Advanced Electrical Measurement & Instrumentation	4	0	0	0	4	3	100
5	CS(EE)701	Elective III a. Data Base Management System b. Object Oriented Programming c. Embedded Systems. d. Artificial intelligence and soft computing	3	0	0	0	3	3	100
1	EE791	Electric Drives lab	0	0	3	0	3	2	100
2	CS(EE)791	Elective III lab	0	0	3	0	3	2	100
3	EE781	Project Preliminary	0	0	3	0	3	2	100
4	EE771	Industrial Training and Report	0	0	0	0	0	0	100
Total Practical							9	6	400
Total Theory							19	15	500
TOTAL							28	21	900
# 30 days training report									

8TH SEMESTER

Sl. No .	Code	Paper	Contact Periods Per Weeks				Total Contact Hours	Credit	Full Marks
			L	T	P	S			
1	HU801	Organizational Behavior	3	0	0	0	3	3	100
2	EE801	Elective IV a. HVDC Transmission b. Energy management and audit c. Power Plant Engineering	4	0	0	0	4	3	100
3	EE802	Elective V a. Sensors & Transducers b. Process control and instrumentation c. Power plant instrumentation & control	4	0	0	0	4	3	100
1	EE881	Project & Thesis	0	0	0	12	6	100	
2	EE871	Grand Viva	0	0	0	0	3	100	
Total Theory							11		300
Total Sessional							12		200
TOTAL							23	18	500