

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**B.Tech. – Electrical and Electronics Engineering (Part Time)****3rd to 8th Semester Revised Curriculum & Syllabus for 2010 – 2014 Batch
Onwards**

Semester - I					
Code	Course Title	L	T	P	C
BEEEPTR11	Mathematics – I	3	1	0	4
BEEEPTR12	Thermodynamics and Fluid Mechanics & Machinery	3	0	0	3
BEEEPTR13	Electric Circuits	3	1	0	4
BEEEPTR14	Electrical Machines – I	3	1	0	4
Total					15

Semester - II					
Code	Course Title	L	T	P	C
BEEEPTR21	Mathematics – II	3	0	0	3
BEEEPTR22	Analog Devices & Circuits	3	0	0	3
BEEEPTR23	Networks & Systems	3	1	0	4
BEEEPTR24	Electrical Machines – II	3	1	0	4
Practical					
BEEEPTRP2	Electrical Machines Lab	0	0	3	1
Total					15

Semester - III					
Code	Course Title	L	T	P	C
BEEEPTR31	Digital Electronics & HDL Programming	3	1	0	4
BEEEPTR32	Introduction to Data Structures	3	0	0	3
BEEEPTR33	Design of Electrical Machines*	3	1	0	4
BEEEPTR34	Electromagnetic Field Theory	3	1	0	4
Practical					
BEEEPTRP3	Digital Design Lab	0	0	3	1
Total					16

* The end semester examination will be conducted as Practical Examination with External and Internal Examiners.

Semester - IV					
Code	Course Title	L	T	P	C
BEEEPTR41	Linear & Digital Integrated Circuits	3	0	0	3
BEEEPTR42	Control Systems	3	1	0	4
BEEEPTR43	Electrical Measurements & Instrumentation	3	0	0	3
BEEEPTR44	Transmission & Distribution	3	1	0	4
Practical					
BEEEPTRP4	Control & Instrumentation Lab	0	0	3	1
Total					15

Semester - V					
Code	Course Title	L	T	P	C
BEEEPTR51	Microprocessor and Microcontroller	3	0	0	3
BEEEPTR52	Communication Engineering	3	0	0	3
BEEEPTR53	Power System Analysis	3	1	0	4
BEEEPTR54	Power Electronics	3	1	0	4
Practical					
BEEEPTRP5	Microprocessor & Microcontroller Lab	0	0	3	1
Total					15

Semester - VI					
Code	Course Title	L	T	P	C
BEEEPTR61	Principles of Management	3	0	0	3
BEEEPTR62	Power System Protection & Switchgear	3	0	0	3
BEEEPTRE01	Elective – I	3	0	0	3
BEEEPTRE02					
BEEEPTRE03					
BEEEPTRE04					
BEEEPTRE05					
BEEEPTRE06	Elective - II	3	0	0	3
BEEEPTRE07					
BEEEPTRE08					
BEEEPTRE09					
BEEEPTRE10					
Practical					
BEEEPTRP6	Power Electronics Lab	0	0	3	1
Total					13

Semester - VII					
Code	Course Title	L	T	P	C
BEEEPTR71	High Voltage Engineering	3	0	0	3
BEEEPTRE11	Elective – III	3	0	0	3
BEEEPTRE12					
BEEEPTRE13					
BEEEPTRE14					
BEEEPTRE15					
BEEEPTRE16	Elective - IV	3	0	0	3
BEEEPTRE17					
BEEEPTRE18					
BEEEPTRE19					
BEEEPTRE20					
Practical					
BEEEPTRP7	Project Work	0	1	15	7
				Total	16

Total Credits : 105

LIST OF ELECTIVES

ELECTIVE- I

S.No	Code	Course Title	L	T	P	C
1.	BEEEPTRE01	Advanced Control Theory	3	0	0	3
2.	BEEEPTRE02	Computer Architecture & Organization	3	0	0	3
3.	BEEEPTRE03	Operations Research	3	0	0	3
4.	BEEEPTRE04	Power System Transients	3	0	0	3
5.	BEEEPTRE05	Principles of Robotics	3	0	0	3

ELECTIVE -II

6.	BEEEPTRE06	Digital Image Processing	3	0	0	3
7.	BEEEPTRE07	Neural networks and Fuzzy Logic	3	0	0	3
8.	BEEEPTRE08	Power Quality	3	0	0	3
9.	BEEEPTRE09	Computer Networks	3	0	0	3
10.	BEEEPTRE10	Web Technology	3	0	0	3

ELECTIVE -III

11.	BEEEPTRE11	Total Quality Management	3	0	0	3
12.	BEEEPTRE12	Bio Medical Measurements & Instrumentation	3	0	0	3
13.	BEEEPTRE13	HVDC Transmission	3	0	0	3
14.	BEEEPTRE14	Programmable Logic Controllers	3	0	0	3
15.	BEEEPTRE15	Operating Systems	3	0	0	3

ELECTIVE- IV

16.	BEEEPTRE16	Non Conventional Energy sources	3	0	0	3
17.	BEEEPTRE17	Flexible AC Transmission System	3	0	0	3
18.	BEEEPTRE18	Introduction to VLSI	3	0	0	3
19.	BEEEPTRE19	Special Electrical Machines	3	0	0	3
20.	BEEEPTRE20	MEMS	3	0	0	3

Note:**Equivalent Subject Codes for Full Time & Part Time B.Tech (EEE)****Core Subjects:**

Part Time Subject Codes	Equivalent Full Time Subject Code
Semester – I	
BEEEPTR11	BMA151 Pre Revised
BEEEPTR12	BEEER33
BEEEPTR13	BEEER35
BEEEPTR14	BEEER36
Semester – II	
BEEEPTR21	BMA152 Pre Revised
BEEEPTR22	BEEER32
BEEEPTR23	BEEER44
BEEEPTR24	BEEER45
Semester – III	
BEEEPTR31	BEEER42
BEEEPTR32	BEEER34
BEEEPTR33	BEEER55
BEEEPTR34	BEEER46
Semester – IV	
BEEEPTR41	BEEER52
BEEEPTR42	BEEER53
BEEEPTR43	BEEER43
BEEEPTR44	BEEER54
Semester – V	
BEEEPTR51	BEEER62
BEEEPTR52	BEEER56
BEEEPTR53	BEEER63
BEEEPTR54	BEEER64
Semester – VI	
BEEEPTR61	BEEER61
BEEEPTR62	BEEER66
Semester – VII	
BEEEPTR71	BEEER74

Electives:

Part Time Subject Codes	Equivalent Full Time Subject Code
BEEPTRE01	BEEERE01
BEEPTRE02	BEEERE02
BEEPTRE03	BEEERE03
BEEPTRE04	BEEERE04
BEEPTRE05	BEEERE05
BEEPTRE06	BEEERE06
BEEPTRE07	BEEERE07
BEEPTRE08	BEEERE08
BEEPTRE09	BEEERE09
BEEPTRE10	BEEERE10
BEEPTRE11	BEEERE11
BEEPTRE12	BEEERE12
BEEPTRE13	BEEERE13
BEEPTRE14	BEEERE14
BEEPTRE15	BEEERE15
BEEPTRE16	BEEERE16
BEEPTRE17	BEEERE17
BEEPTRE18	BEEERE18
BEEPTRE19	BEEERE19
BEEPTRE20	BEEERE20