Department of Electrical and Electronics Engineering
Subjectwise Comparision from R13 to R16
1-1 SEMESTER

Programme Name	Course Name	R16	R13
BTECH/EEE	English – I	✓	✓
BTECH/EEE	Mathematics - I	✓	✓
BTECH/EEE	Applied Chemistry	✓	X
BTECH/EEE	Engineering Mechanics	✓	X
BTECH/EEE	Computer Programming	✓	X
BTECH/EEE	Environmental Studies	✓	X
BTECH/EEE	Applied / Engineering Chemistry Laboratory	✓	X
BTECH/EEE	English- Communication Skills Laboratory - I	✓	✓
BTECH/EEE	Computer Programming Laboratory	✓	X
BTECH/EEE	Mathematics – II (Mathematical Methods)	X	✓
BTECH/EEE	Engineering Physics	X	✓
BTECH/EEE	Professional Ethics and Human Values	X	✓
BTECH/EEE	Engineering Drawing	X	✓
BTECH/EEE	Engineering Physics Laboratory	X	✓
BTECH/EEE	Engineering Physics – Virtual Labs - Assignments	X	✓
BTECH/EEE	Engineering Workshop & IT Workshop	X	✓

1-2 SEMESTER

Programme Name	Course Name	R16	R13
BTECH/EEE	English – II	✓	✓
BTECH/EEE	Mathematics – II (Mathematical Methods)	✓	X
BTECH/EEE	Mathematics – III	✓	✓
BTECH/EEE	Applied Physics	✓	X
BTECH/EEE	Electrical Circuit Analysis - I	✓	✓
BTECH/EEE	Engineering Drawing	✓	X
BTECH/EEE	English - Communication Skills Laboratory - II	✓	✓
BTECH/EEE	Applied / Engineering Physics Laboratory	✓	X
BTECH/EEE	Applied / Engineering Physics – Virtual Labs - Assignments	✓	X
BTECH/EEE	Engg.Workshop & IT Workshop	✓	X
BTECH/EEE	Engineering Chemistry	X	✓
BTECH/EEE	Engineering Mechanics	X	✓
BTECH/EEE	Computer Programming	X	✓
BTECH/EEE	Engineering Chemistry Lab	X	✓
BTECH/EEE	C Programming lab	X	✓

Department of Electrical and Electronics Engineering
Subjectwise Comparision from R13 to R16

2-1 SEMESTER

Programme Name	Course Name	R16	R13
BTECH/EEE	Electrical Circuit Analysis - II	✓	✓
BTECH/EEE	Electrical Machines-I	✓	✓
BTECH/EEE	Basic Electronics and Devices	✓	✓
BTECH/EEE	Electro Magnetic Fields	✓	✓
BTECH/EEE	Thermal and Hydro Prime Movers	✓	✓
BTECH/EEE	Managerial Economics & Financial Analysis	✓	X
BTECH/EEE	Thermal and Hydro Laboratory	✓	✓
BTECH/EEE	Electrical Circuits Laboratory	✓	✓
BTECH/EEE	Complex Variables and Statistical Methods	X	✓

2-2 SEMESTER

Programme Name	Course Name	R16	R13
BTECH/EEE	Electrical Measurements	✓	X
BTECH/EEE	Electrical Machines-II	✓	✓
BTECH/EEE	Switching Theory and Logic Design	✓	✓
BTECH/EEE	Control Systems	✓	✓
BTECH/EEE	Power Systems-I	✓	✓
BTECH/EEE	Management Science	✓	X
BTECH/EEE	Electrical Machines -I Laboratory	✓	✓
BTECH/EEE	Electronic Devices & Circuits Laboratory	✓	✓
BTECH/EEE	Environmental studies	X	✓
BTECH/EEE	Pulse & Digital Circuits	X	✓

Department of Electrical and Electronics Engineering
Subjectwise Comparision from R13 to R16
3-1 SEMESTER

Programme Name	Course Name	R16	R13
BTECH/EEE	Power Systems-II	✓	✓
BTECH/EEE	Renewable Energy Sources	✓	X
BTECH/EEE	Signals and Systems	✓	X
BTECH/EEE	Pulse & Digital Circuits	✓	X
BTECH/EEE	Power Electronics	✓	✓
BTECH/EEE	Electrical Machines-II Laboratory	✓	✓
BTECH/EEE	Control Systems Laboratory	✓	✓
BTECH/EEE	Electrical Measurements Laboratory	✓	X
BTECH/EEE	IPR & Patents	✓	✓
BTECH/EEE	Managerial Economics and Financial Analysis	X	✓
BTECH/EEE	Electrical Measurements	X	✓
BTECH/EEE	Electrical Machines-III	X	✓
BTECH/EEE	Linear & Digital IC Applications	X	✓

3-2 SEMESTER

Programme Name	Course Name	R16	R13
BTECH/EEE	Power Electronic Controllers & Drives	✓	X
BTECH/EEE	Power System Analysis	✓	✓
BTECH/EEE	Micro Processors and Micro controllers	✓	✓
BTECH/EEE	Data Structures	✓	X
BTECH/EEE	Unix and Shell Programming	✓	X
BTECH/EEE	OOPS Through JAVA	✓	X
BTECH/EEE	VLSI Design	✓	X
BTECH/EEE	Robotics	✓	X
BTECH/EEE	Neural Networks &Fuzzy Logic	✓	X
BTECH/EEE	Energy Audit and Conservation& Management	✓	X
BTECH/EEE	Power Electronics Laboratory	✓	✓
BTECH/EEE	Microprocessors & Microcontrollers Laboratory	✓	X
BTECH/EEE	Data Structures Laboratory	✓	X
BTECH/EEE	Professional Ethics & Human Values	✓	X
BTECH/EEE	Switchgear and Protection	X	✓
BTECH/EEE	Utilization of Electrical Energy	X	✓
BTECH/EEE	Power Semiconductor Drives	X	✓
BTECH/EEE	Management Science	X	✓
BTECH/EEE	Electrical Measurements Lab	X	✓

Department of Electrical and Electronics Engineering
Subjectwise Comparision from R13 to R16
4-1 SEMESTER

Programme Name	Course Name	R16	R13
BTECH/EEE	Utilization of Electrical Energy	✓	X
BTECH/EEE	Linear IC Applications	✓	X
BTECH/EEE	Power System Operation & Control	✓	X
BTECH/EEE	Switchgear and Protection	✓	X
BTECH/EEE	Electrical Machine Modeling and Analysis	✓	X
BTECH/EEE	Advanced Control Systems	✓	X
BTECH/EEE	Programmable Logic Controllers& Applications	✓	X
BTECH/EEE	Instrumentation	✓	✓
BTECH/EEE	Optimization Techniques	✓	✓
BTECH/EEE	Electric Power Quality	✓	X
BTECH/EEE	Special Electrical Machines	✓	X
BTECH/EEE	Electrical Simulation Laboratory	✓	✓
BTECH/EEE	Power Systems & Simulation Laboratory	✓	✓
BTECH/EEE	Renewable Energy Sources and Systems	X	✓
BTECH/EEE	HVAC & DC Transmission	X	✓
BTECH/EEE	Power System Operation & Control	X	✓
BTECH/EEE	Energy Audit, Conservation and Management	X	✓
BTECH/EEE	Non Conventional Sources of Energy	X	✓
BTECH/EEE	VLSI Design	X	✓
BTECH/EEE	Electrical Distribution Systems	X	✓
BTECH/EEE	Microprocessors & Microcontrollers Lab	X	✓

4-2 SEMESTER

Programme Name	Course Name	R16	R13
BTECH/EEE	Digital Control Systems	✓	✓
BTECH/EEE	HVDC Transmission	✓	X
BTECH/EEE	Electrical Distribution Systems	✓	X
BTECH/EEE	High Voltage Engineering	✓	X
BTECH/EEE	Flexible Alternating Current Transmission Systems	✓	✓
BTECH/EEE	Power System Reforms	✓	✓
BTECH/EEE	Seminar	✓	X
BTECH/EEE	Project	✓	✓
BTECH/EEE	Advanced Control Systems	X	✓
BTECH/EEE	Extra High Voltage Transmission	X	✓
BTECH/EEE	Special Electrical Machines	X	✓
BTECH/EEE	Electric Power Quality	X	✓
BTECH/EEE	Digital Signal Processing	X	✓
BTECH/EEE	OOPS Through Java	X	✓
BTECH/EEE	UNIX and Shell Programming	X	✓
BTECH/EEE	AI Techniques	X	✓
BTECH/EEE	Power System Reforms	X	✓
BTECH/EEE	Systems Engineering	X	✓