

**Department of Electronics and Communication Engineering**  
**Subjectwise Comparision from R13 to R16**

**1-1 SEMESTER**

<b>Programme Name</b>	<b>Course Name</b>	<b>R16</b>	<b>R13</b>
BTECH/ECE	English – I	✓	✓
BTECH/ECE	Mathematics - I	✓	✓
BTECH/ECE	Mathematics -II (Numerical Methods and Complex Variables)	✓	✓
BTECH/ECE	Applied Physics	✓	✓
BTECH/ECE	Computer Programming	✓	X
BTECH/ECE	Engineering Drawing	✓	✓
BTECH/ECE	English - Communication Skills Lab -1	✓	✓
BTECH/ECE	Applied / Engineering Physics Laboratory	✓	✓
BTECH/ECE	Applied / Engineering Physics – Virtual Labs - Assignments	✓	✓
BTECH/ECE	Engineering Workshop& IT Workshop	✓	✓
BTECH/ECE	Professional Ethics and Human Values	X	✓

**1-2 SEMESTER**

<b>Programme Name</b>	<b>Course Name</b>	<b>R16</b>	<b>R13</b>
BTECH/ECE	English – II	✓	✓
BTECH/ECE	Mathematics -III	✓	✓
BTECH/ECE	Applied Chemistry	✓	✓
BTECH/ECE	Electrical and Mechanical Technology	✓	X
BTECH/ECE	Environmental Studies	✓	X
BTECH/ECE	Data Structures	✓	X
BTECH/ECE	Applied / Engineering Chemistry Laboratory	✓	✓
BTECH/ECE	English - Communication Skills Lab -2	✓	✓
BTECH/ECE	Computer Programming Lab	✓	✓
BTECH/ECE	Engineering Mechanics	X	✓
BTECH/ECE	Computer Programming	X	✓
BTECH/ECE	Network Analysis	X	✓

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<b>2-1 SEMESTER</b>			
<b>Programme Name</b>	<b>Course Name</b>	<b>R16</b>	<b>R13</b>
BTECH/ECE	Electronic Devices and Circuits	✓	✓
BTECH/ECE	Switching Theory and Logic Design	✓	X
BTECH/ECE	Signals and Systems	✓	✓
BTECH/ECE	Network Analysis	✓	X
BTECH/ECE	Random Variables and Stochastic	✓	X
BTECH/ECE	Managerial Economics & Financial	✓	✓
BTECH/ECE	Electronic Devices and Circuits Lab	✓	✓
BTECH/ECE	Networks & Electrical Technology Lab	✓	✓
BTECH/ECE	Data Structures	X	✓
BTECH/ECE	Environmental Studies	X	✓
BTECH/ECE	Electrical Technology	X	✓

**2-2 SEMESTER**

<b>Programme Name</b>	<b>Course Name</b>	<b>R16</b>	<b>R13</b>
BTECH/ECE	Electronic Circuit Analysis	✓	✓
BTECH/ECE	Control Systems	✓	X
BTECH/ECE	Electromagnetic Waves and Transmission Lines	✓	✓
BTECH/ECE	Analog Communications	✓	✓
BTECH/ECE	Pulse and Digital Circuits	✓	X
BTECH/ECE	Management Science	✓	✓
BTECH/ECE	Electronic Circuit Analysis Lab	✓	✓
BTECH/ECE	Analog Communications Lab	✓	✓
BTECH/ECE	Random Variables & Stochastic Processes	X	✓
BTECH/ECE	Switching Theory & Logic Design	X	✓

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**3-1 SEMESTER**

Programme Name	Course Name	R16	R13
BTECH/ECE	Computer Architecture and Organization	✓	X
BTECH/ECE	Linear I C Applications	✓	✓
BTECH/ECE	Digital I C Applications	✓	X
BTECH/ECE	Digital Communications	✓	X
BTECH/ECE	Antenna and Wave Propagation	✓	✓
BTECH/ECE	Pulse and Digital Circuits Lab	✓	✓
BTECH/ECE	Linear I C Applications Lab	✓	✓
BTECH/ECE	Digital I C Applications Lab	✓	X
BTECH/ECE	Professional Ethics & Human Values	✓	X
BTECH/ECE	Pulse & Digital Circuits	X	✓
BTECH/ECE	Control Systems	X	✓
BTECH/ECE	Digital System Design & Digital IC Applications	X	✓
BTECH/ECE	Digital System Design & DICA Lab	X	✓
BTECH/ECE	IPR& Patents	X	✓

**3-2 SEMESTER**

Programme Name	Course Name	R16	R13
BTECH/ECE	Micro Processors & Micro Controllers	✓	✓
BTECH/ECE	Micro Wave Engineering	✓	✓
BTECH/ECE	VLSI Design	✓	X
BTECH/ECE	Digital Signal Processing	✓	✓
BTECH/ECE	OOPs through Java	✓	X
BTECH/ECE	Data Mining	✓	X
BTECH/ECE	Industrial Robotics	✓	X
BTECH/ECE	Power Electronics	✓	X
BTECH/ECE	Bio-Medical Engineering	✓	✓
BTECH/ECE	Artificial Neural Networks	✓	X
BTECH/ECE	Micro Processors & Micro Controllers Lab	✓	✓
BTECH/ECE	VLSI Lab	✓	X
BTECH/ECE	Digital Communications Lab	✓	✓
BTECH/ECE	IPR & Patents	✓	X
BTECH/ECE	Digital Communications	X	✓
BTECH/ECE	Fuzzy & Neural Networks	X	✓
BTECH/ECE	Digital Communications Lab	X	✓
BTECH/ECE	Digital Signal Processing Lab	X	✓
BTECH/ECE	Seminar	X	✓

**Department of Electronics and Communication Engineering**  
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**4-1 SEMESTER**

<b>Programme Name</b>	<b>Course Name</b>	<b>R16</b>	<b>R13</b>
BTECH/ECE	Radar Systems	✓	✓
BTECH/ECE	Digital Image Processing	✓	✓
BTECH/ECE	Computer Networks	✓	✓
BTECH/ECE	Optical Communications	✓	✓
BTECH/ECE	TV Engineering	✓	X
BTECH/ECE	Electronic Switching Systems	✓	✓
BTECH/ECE	System Design through Verilog	✓	X
BTECH/ECE	Embedded Systems	✓	X
BTECH/ECE	Analog IC Design	✓	✓
BTECH/ECE	Network Security & Cryptography	✓	✓
BTECH/ECE	Micro Wave Engineering & Optical Lab	✓	✓
BTECH/ECE	Digital Signal Processing Lab	✓	X
BTECH/ECE	VLSI Design	X	✓
BTECH/ECE	Computer Architecture & Organization	X	✓
BTECH/ECE	Object Oriented Programming & O S	X	✓
BTECH/ECE	Advanced Computer Architecture	X	✓
BTECH/ECE	Digital IC Design	X	✓
BTECH/ECE	Speech Processing	X	✓
BTECH/ECE	Artificial Neural Network & Fuzzy Logic	X	✓
BTECH/ECE	VLSI sing Lab	X	✓

**4-2 SEMESTER**

<b>Programme Name</b>	<b>Course Name</b>	<b>R16</b>	<b>R13</b>
BTECH/ECE	Cellular Mobile Communication	✓	✓
BTECH/ECE	Electronic Measurements and Instrumentation	✓	✓
BTECH/ECE	Satellite Communication	✓	✓
BTECH/ECE	Wireless Sensors and Networks	✓	✓
BTECH/ECE	Digital IC Design	✓	X
BTECH/ECE	Operating Systems	✓	X
BTECH/ECE	Project & Seminar	✓	✓
BTECH/ECE	Mixed signal Design	X	✓
BTECH/ECE	Embedded systems	X	✓
BTECH/ECE	RF Circuit Design	X	✓
BTECH/ECE	Cloud Computing	X	✓
BTECH/ECE	System on Chip	X	✓
BTECH/ECE	Low Power IC Design	X	✓
BTECH/ECE	Bio-Medical Instrumentation	X	✓
BTECH/ECE	EMI/EMC	X	✓