Department of Computer Science and Enginnering
Subjectwise Comparision from R16 to R19
1-1 SEMESTER

Programme Name	Course Name	R19	R16
BTECH/CSE	English	✓	✓
BTECH/CSE	Mathematics - I	✓	✓
BTECH/CSE	Applied Chemistry	✓	X
BTECH/CSE	Fundamentals of Computer Science	✓	X
BTECH/CSE	Engineering Drawing	✓	✓
BTECH/CSE	English Lab	✓	X
BTECH/CSE	Applied Chemistry Lab	✓	X
BTECH/CSE	IT Workshop	✓	X
BTECH/CSE	Environmental Science	✓	X
BTECH/CSE	Mathematics – II (Mathematical Methods)	X	✓
BTECH/CSE	Applied Physics	X	✓
BTECH/CSE	Computer Programming	X	✓
BTECH/CSE	English - Communication Skills Lab - 1	X	✓
BTECH/CSE	Applied / Engineering Physics Lab	X	✓
BTECH/CSE	Applied / Engineering Physics – Virtual Labs– Assignments	X	✓
BTECH/CSE	Computer Programming Lab	X	✓

1-2 SEMESTER

Programme Name	Course Name	R19	R16
BTECH/CSE	Mathematics – II	✓	X
BTECH/CSE	Mathematics – III	✓	✓
BTECH/CSE	Applied Physics	✓	X
BTECH/CSE	Programming for Problem Solving using C	✓	X
BTECH/CSE	Digital Logic Design	✓	X
BTECH/CSE	Applied Physics Lab	✓	X
BTECH/CSE	Communication Skills Lab	✓	X
BTECH/CSE	Programming for Problem Solving using C Lab	✓	✓
BTECH/CSE	Engineering Exploration Project	✓	X
BTECH/CSE	Constitution of India	✓	X
BTECH/CSE	English – II	X	✓
BTECH/CSE	Applied Chemistry	X	✓
BTECH/CSE	Object Oriented Programming through C++	X	✓
BTECH/CSE	Environmental Studies	X	✓
BTECH/CSE	Engineering Mechanics	X	✓
BTECH/CSE	Applied / Engineering Chemistry Laboratory	X	✓
BTECH/CSE	English - Communication Skills Lab – 2	X	✓
BTECH/CSE	Object Oriented Programming Lab	X	✓

2-1 SEMESTER

Programme Name	Course Name	R19	R16
BTECH/CSE	Mathematical Foundations of Computer Science	✓	✓
BTECH/CSE	Software Engineering	✓	X
BTECH/CSE	Python Programming	✓	✓
BTECH/CSE	Data Structures	✓	✓
BTECH/CSE	Object Oriented Programming through C++	✓	X
BTECH/CSE	Computer Organization	✓	X
BTECH/CSE	Python Programming Lab	✓	✓
BTECH/CSE	Data Structures through C++ Lab	✓	✓
BTECH/CSE	Essence of Indian Traditional Knowledge	✓	X
BTECH/CSE	Employability Skills- I*	✓	X
BTECH/CSE	Statistics with R Programming	X	✓
BTECH/CSE	Digital Logic Design	X	✓
BTECH/CSE	Computer Graphics	X	✓

2-2 SEMESTER

Programme Name	Course Name	R19	R16
BTECH/CSE	Probability and Statistics	✓	X
BTECH/CSE	Java Programming	✓	✓
BTECH/CSE	Operating Systems	✓	X
BTECH/CSE	Database Management Systems	✓	X
BTECH/CSE	Formal Languages and Automata Theory	✓	✓
BTECH/CSE	Java Programming Lab	✓	✓
BTECH/CSE	UNIX Operating System Lab	✓	X
BTECH/CSE	Database Management Systems Lab	✓	X
BTECH/CSE	Professional Ethics & Human Values	✓	X
BTECH/CSE	Socially Relevant Project	✓	X
BTECH/CSE	Software Engineering	X	✓
BTECH/CSE	Advanced Data Structures	X	✓
BTECH/CSE	Computer Organization	X	✓
BTECH/CSE	Principles of Programming Languages	X	✓
BTECH/CSE	Advanced Data Structures Lab	X	✓