B.Tech. in Communication and Computer Engineering (CCE)

1st Semester

Courses	T	L	T	P	C
Classical Physics	IC	3	1	0	4
UG Physics Laboratory	IC	0	0	3	2
Mathematics – I	IC	3	1	0	4
Basic Electronics	IC	3	1	0	4
Basic Electronics Lab	IC	0	0	3	2
Computer Programming	IC	3	0	0	3
Computer Programming Lab	IC	0	0	3	2
Technical Comm. in English	IC	3	0	0	3

2nd Semester

Courses	T	L	T	P	C
Mathematics – II	IC	3	1	0	4
Data Structures & Algorithms	IC	3	0	0	3
Data Structures & Algorithms Lab	IC	0	0	2	1
Environmental Ecology & Biology	IC	2	0	2	3
Value Education and Ethics	IC	3	0	0	3
Analog Electronics	PC	3	0	0	3
Discrete Mathematical Structures	PC	3	0	0	3
Introduction to Modern Physics*	OE	3	0	0	3

3rd Semester

Courses	T	L	T	P	C
Mathematics – III	IC	3	1	0	4
Com. Organization & Architecture	PC	3	0	2	4
Advanced Programming	PC	3	0	2	4
Signals and Systems	PC	3	0	0	3
Digital Circuits and Systems	PC	3	0	0	3
Digital Circuits and Systems Lab	PC	0	0	3	2
IDBMS	PC	3	0	2	4

4th Semester

Courses	T	L	T	P	C
Design and Analysis of Algorithms	PC	3	0	0	3
Operating Systems	PC	3	0	2	4
Control System Engineering	PC	3	0	0	3
Principles of Communication	PC	3	0	0	3
Signals & Systems and Comm. Lab	PC	0	0	3	2
Probability and Statistics	PC	3	1	0	4

5th Semester

Courses	T	L	T	P	C
Economics for Engineers / Psychology, Technology & Society	IC	3	0	0	3
Introduction to Data Science	PC	3	0	0	3
Artificial Intelligence	PC	3	0	0	3
Digital Communication	PC	3	0	0	3
Digital Communication Lab	PC	0	0	3	2
Digital Signal Processing	PC	3	0	0	3
Digital Signal Processing Lab	PC	0	0	3	2
Software Engineering	PC	3	0	0	3

6th Semester

Courses	T	L	T	P	C
Economics for Engineers / Psychology, Technology & Society	IC	3	0	0	3
Computer Networks	PC	3	0	2	4
Internet of Things	PC	3	0	2	4
B.Tech. Project	IC	3	0	0	3
Program Elective – 1	PE	3	0	0	3
Other Elective – 1	OE	3	0	0	3

7th Semester

Courses	T	L	T	P	C
B.Tech. Project	IC	3	0	0	3
Program Elective – 2	PE	3	0	0	3
Program Elective – 3	PE	3	0	0	3
Other Elective – 2	OE	3	0	0	3
Other Elective – 3	OE	3	0	0	3

8th Semester

Courses	T	L	T	P	C
Program Elective – 4	PE	3	0	0	3
Other Elective – 4	OE	3	0	0	3