

Curricula of B.Tech CSE
Admitted 2015 onwards

FIRST SEMESTER

S.No.	Course Code	Course Title	Contact Hours				Credits
			L	T	P	Total	
1	15B11HS111	Life Skills	1	1	0	2	2
2	15B11MA111	Mathematics-1	3	1	0	4	4
3	15B11PH111	Physics-1	3	1	0	4	4
4	15B11EC111	Electrical Science -1	3	1	0	4	4
5	15B11CI111	Software Development Fundamentals-I	3	1	0	4	4
6	15B11HS112	English	2	1	0	3	3
7	15B17PH171	Physics Lab-1	0	0	2	2	1
8	15B17EC171	Electrical Science Lab -1	0	0	2	2	1
9	15B17CI171	Software Development Lab-I	0	0	4	4	2
Total						29	25

SECOND SEMESTER

S.No.	Course Code	Course Title	Contact Hours				Credits
			L	T	P	Total	
1	15B11HS211	Economics	2	1	0	3	3
2	15B11MA211	Mathematics-2	3	1	0	4	4
3	15B11PH211	Physics-2	3	1	0	4	4
4	15B11EC211	Electrical Science -2	3	1	0	4	4
5	15B11CI211	Software Development Fundamentals-II	3	1	0	4	4
6	15B11CI212	Theoretical Foundations of Computer Science	3	1	0	4	4
7	15B17PH271	Physics Lab-2	0	0	2	2	1
8	15B17EC271	Electrical Science Lab -2	0	0	2	2	1
9	15B17CI271	Software Development Lab-II	0	0	2	2	1
Total						29	26

THIRD SEMESTER							
S.No.	Course Code	Course Title	Contact Hours			Total	Credits
			L	T	P		
1	Xxxxx	HSS Elective - 1	2	1	0	3	3
2	15B11CI311	Data Structures	3	1	0	4	4
3	15B11EC314	Introduction to Digital Systems	3	1	0	4	4
4	15B11CI312	Database Systems and Web	3	1	0	4	4
5	15B11CI313	Computer Organisation and Architecture	3	1	0	4	4
6	15B17CI371	Data Structures lab	0	0	2	2	1
7	15B17EC374	Digital Systems Lab	0	0	2	2	1
8	15B17CI372	Database Systems and Web lab	0	0	2	2	1
9	15B17CI373	Computer Organisation and Architecture Lab	0	0	2	2	1
Total						27	23

FOURTH SEMESTER							
S.No.	Course Code	Course Title	Contact Hours			Total	Credits
			L	T	P		
1	Xxxxx	HSS Elective - 2	2	1	0	3	3
2	15B11MA301	Probability and Random Processes	3	1	0	4	4
3	15B11CI411	Algorithms and Problem Solving	3	1	0	4	4
4	15B11CI412	Operating Systems and Systems Programming	3	1	0	4	4
5	Xxxxx	IT Elective-1	3	1	0	4	4
6	15B11GE301	Environmental Science	3	0	0	3	3
7	15B17CI471	Algorithms and Problem Solving Lab	0	0	4	2	2
8	15B17CI472	Operating Systems and Systems Programming Lab	0	0	2	2	1
Total						28	25

FIFTH SEMESTER							
S.No.	Course Code	Course Title	Contact Hours			Total	Credits
			L	T	P		
1	Xxxxx	HSS Elective-3	2	1	0	3	3

2	15B11CI511	Computer Networks OR	3	1	0	4	4
	Or 14B1NCI731	Embedded Systems					
3	15B11CI513	Software Engineering OR	3	1	0	4	4
	OR 15B11CI514	Artificial Intelligence					
		Selected Foreign Language	2 3	0	0	2 3	Audit
4	Xxxxx	Science Elective - 1	3	1	0	4	4
5	15B19CI591	Minor Project – 1	0	0	0	0	5
6	15B17CI571	Computer Networks Lab OR	0	0	2	2	1
	OR 15B17CI572	Embedded Systems Lab					
7	15B17CI573	Software Engineering Lab OR	0	0	2	2	1
	OR 15B17CI574	Artificial Intelligence Lab					
8	15B17CI575	Open Source Software Lab	0	0	2	2	1
9	15B17CI576	Information Security Lab	0	0	2	2	1
Total						25/26+	24

SIXTH SEMESTER							
S.No.	Course Code	Course Title	Contact Hours			Total	Credits
			L	T	P		
1	Xxxxx	HSS Elective -4	2	1	0	3	3
2	15B11CI611	Theory of Computation and	3	1	0	4	4
	OR	Compiler Design OR					
3	Xxxxx	CS Elective-2	3	1	0	4	4
4	Xxxxx	CS Elective-3	3	1	0	4	4
5	Xxxxx	Science Elective - 2	3	1	0	4	4
		Selected Value Added Course	2 3	0	0	2 3	Audit
6	15B17CI671	Compiler Design Lab OR	0	0	2	2	1
	OR 15B17CI672	Programming Languages Lab					

7	15B19CI691	Minor Project-2	0	0	0	0	5
Total						24	25

SEVENTH SEMESTER

S.No.	Course Code	Course Title	Contact Hours				Credits
			L	T	P	Total	
1	Xxxxx	CS Elective-4	3	1	0	4	4
2	Xxxxx	CS Elective-5	3	1	0	4	4
3	Xxxxx	CS Elective-6	3	1	0	4	4
4	Xxxxx	Open Elective - 1	3	0	0	3	3
5	15B19CI791	Major Project Part-1	0	0			4
6	15B19CI792	Term Paper	0	0	0	0	3
	15B29CI793	Summer Training Viva	0	0	0	0	2
Total						15+	24

EIGHTH SEMESTER

S.No.	Course Code	Course Title	Contact Hours				Credits
			L	T	P	Total	
1	Xxxxx	CS Elective-7	3	1	0	4	4
2	Xxxxx	CS Elective-8	3	1	0	4	4
3	Xxxxx	Open Elective - 2	3	0	0	3	3
4	15B19CI891	Major Project Part-2	0	0			12
Total						11+	23

Total Credits for B. Tech. –195