

Curricula of B.Tech IT
Admitted 2015 onwards

FIRST SEMESTER

S.No.	Course Code	Course Title	Contact Hours			Total	Credits
			L	T	P		
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			Total	Credits
			L	T	P		
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				Credits
			L	T	P	Total	
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				Credits
			L	T	P	Total	
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				Credits
			L	T	P	Total	
1	Xxxxx	HSS Elective-3	2	1	0	3	3
2	15B11CI511	Computer Networks	3	1	0	4	4

3	15B22CI521	Cloud based Enterprise Systems	3	1	0	4	4
		Selected Foreign Language	2 3	0	0	2 3	Audit
4	Xxxxx	Science Elective - 1	3	1	0	4	4
5	15B29CI591	Minor Project – 1	0	0	0	0	5
6	15B17CI571	Computer Networks Lab	0	0	2	2	1
7	15B28CI581	Cloud based Enterprise Systems Lab	0	0	2	2	1
8	15B28CI582	Multimedia 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
		Flexi Core:					
	15B22CI621	a. Data Mining and Web Algorithms					
	OR	OR					
2	15B22CI622	b. Mobile Applications and Internet of Things	3	1	0	4	4
3	Xxxxx	IT Elective-2	3	1	0	4	4
4	Xxxxx	IT 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
	15B28CI681	a. Data Mining and Web Algorithms Lab OR					
	OR	b. Mobile Applications and Internet of Things Lab					
6	15B28CI682		0	0	2	2	1
7	15B29CI691	Minor Project-2	0	0	0	0	5
		Total				23/24+	25

SEVENTH SEMESTER

S.No.	Course Code	Course Title	Contact Hours			Total	Credits
			L	T	P		
1	Xxxxx	IT Elective-4	3	1	0	4	4

2	Xxxxx	IT Elective-5	3	1	0	4	4
3	Xxxxx	IT Elective-6	3	1	0	4	4
4	Xxxxx	Open Elective - 1	3	0	0	3	3
5	15B29CI791	Major Project Part-1	0	0			4
6	15B29CI792	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	IT Elective-7	3	1	0	4	4
2	Xxxxx	IT Elective-8	3	1	0	4	4
3	Xxxxx	Open Elective - 2	3	0	0	3	3
4	15B29CI891	Major Project Part-2	0	0			12
Total						11+	23

Total Credits for B. Tech. –195