

Mathematics and Computing							
SEMESTER - I (Common for all B.Tech Courses)							
S.No	C. Code	Course	L	T	P	C	
1	MA 101	Calculus	3	1	0	8	
2	PH 101	Quantum Physics and Applications	2	1	0	6	
3	CH 102	Fundamental Concepts and Applications of Chemistry	3	0	0	6	
4	BB 103	Introduction to Modern biology	3	0	0	6	
5	PH 113	Hands on Science Laboratory - I	0	0	3	3	
6	CS 101	Computer Programming	3	0	2	8	
7	HS 106	Design Thinking and Creativity	1	0	0	PP/NP	
8	NO107/ NO105/ NO 106/ NO 108	NSO/NSS/NCC/NCA	0	0	2	2	
	First Semester Total Credits						37
Semester - II							
S. No	Course Code	Course Name	L	T	P	C	
1	MA 102	Linear Algebra (1st Half)	3	1	0	4	
2	MA 103	Differential Equations - I (2nd Half)	3	1	0	4	
3	ME 111	Engineering Graphics Laboratory	1	0	3	5	
4	EE 101	Introduction to Electrical Systems and Electronics	3	0	0	6	
5	CS 201	Data Structures and Algorithms	3	0	0	6	
6	CS 211	Data Structures and Algorithms Laboratory	0	0	3	3	
7	ME 113	Hands on Engineering Laboratory	0	0	3	3	
8	PH 102	Electricity and magnetism	2	1	0	6	
9	NO107/ NO105/ NO 106/ NO 108	NSO/NSS/NCC/NCA	0	0	2	2	
		Total Credits					37
Semester III							
S.No	Course code	Course name	L	T	P	C	
1	CS203T	Design and analysis of algorithms	3	0	0	6	
2	CS202T	Discrete structures	3	0	0	6	
3	EE205T	Introduction to Probability (1st Half)	3	0	0	3	
4	EE 227	Data Analysis (2nd Half)	3	0	0	3	
5	HS201T	Economics	3	0	0	6	
6	CS201C	Software Systems Lab	1	3	0	8	

Semester VIII						
S.No	Course Code	Course Name	L	T	P	C
1		CSE Elective /Mathematics Elective				6
2		Institute Elective/BTP				6
3		Institute Elective				6
Overall Credits Required (Minimum)						18
	Overall Credits Required (Minimum)					252