

Computer Science and Engineering

SEMESTER - I (Common for all B.Tech Courses)

S.No	C. Code	Course	L	T	P	C
1	MA108T	Calculus	3	1.5	0	9
2	EE101T	Introduction to Electrical Systems and Electronics	3	0	0	6
3	CY101T	Fundamental Concepts and Applications of Chemistry	3	0	0	6
5	PH101L	Hands on Science Laboratory - I	0	0	3	3
6	CS101C	Computer Programming	3	0	2	9
7	HS101T	Design Thinking and Creativity	1	0	0	PP/N P
8	NO107/ NO105/ NO 106/ NO 108	NSO/NSS/NCC/NCA	0	0	2	2
First Semester Total Credits						35

Semester - II

S. No	Course Code	Course Name	L	T	P	C
1	MA109T	Linear Algebra and Differential Equations	3	1.5	0	9
2	EE103T	Digital Systems	3	0	0	6
3	EE101L	Digital Circuits Lab	0	0	3	3
4	CS101T	Data Structures and Algorithms	3	0	0	6
5	CS202T	Discrete Structures	3	0	0	6
6	CS101L	Data Structures and Algorithms Laboratory	0	0	3	3
9	NO107/ NO105/ NO 106/ NO 108	NSO/NSS/NCC/NCA	1	0	0	2
Total Credits						35

Semester III

S.No	Course code	Course name	L	T	P	C
1	CS 205	Design and analysis of algorithms	3	0	0	6
2	EE205T	Introduction to Probability (1st Half)	3	0	0	3
3	EE207T	Data Analysis (2nd Half)	3	0	0	3
4	CS201T	Automata Theory	3	1.5	0	9
5	CS201C	Software Systems Lab	3	0	3	9
6	PH101T	Quantum Physics and Applications	3	0	0	6
Total credits						36

Semester IV

S.No	Course code	Course name	L	T	P	C
1	CS204T	Artificial intelligence	3	0	0	6
2	CS501C	Computer Architecture	3	0	0	6
3	CE301T	Environmental Studies	3	0	0	6
4	CS205T	Data Bases and Information Systems	3	0	0	6

5	CS201L	Artificial Intelligence lab	0	0	3	3
6	CS202L	Data Bases and Information Systems Laboratory	0	0	3	3
7	CS301L	Computer Architecture lab	0	0	3	3
Total credits						33
Semester V						
S.No	Course code	Course name	L	T	P	C
1	CS303T	Operating systems	3	0	0	6
2	CS305T	Computer Networks	3	0	0	6
3	CS303L	Computer Networks lab	0	0	3	3
4	CS302L	Operating systems lab	0	0	3	3
5	BB101T	Introduction to Modern Biology	3	0	0	6
6		Electives	3	0	0	6
	HS201T	Economics	3	0	0	6
Total credits						36
Semester VI						
S.No	Course code	Course name	L	T	P	C
1	CS304T	Compilers	3	0	0	6
2	CS304L	Compilers lab	0	0	3	3
3	EE301O	Technical Writing (P/NP) No Graded	1	0	0	2
4		Electives				24
5	EE101O	Formal Communication No Graded	1	0	0	2
Total credits						37
Semester VII						
S.No	Course Code	Course Name	L	T	P	C
1		Elective IV				30
Total credits						24
Semester VIII						
S.No	Course Code	Course Name	L	T	P	C
1		Elective				6
Total credits						18
Overall Credits Required (Minimum)						254