		Mathematics and Computing				
		EMESTER - I (Common for all B.Tech Courses)	_			
S.No	C. Code	Course	L	T	-	C
1	MA108T	Calculus	3	1.5	0	9
2	PH101T	Quantum Physics and Applications	2	1	0	6
3	EE101T	Introduction to Electrical Systems and Electronic Circuits	-	0	0	6
4	ME101L	Hands on Engineering Laboratory	0	0	3	3
5	CS101C	Computer Programming	3	0	2	9
6	HS101T	Design Thinking and Creativity	1	0	0	PP/NP
7	NO	NSO/NSS/NCC/NCA	0	0	2	2
	Total Credits					35
		Semester - II				
S.			Ļ	-		~
No	Course Code	Course Name	L	T	P	C
1	MA109T	Linear Algebra and Diffrential Equations	3	1.5	0	9
2	CS101T	Data Structures and Algorithms	3	0	0	6
3	CS101L	Data Structures and Algorithms Laboratory	0	0	3	3
4	EE103T	Digital Systems				6
5	EE XXX	Digital Systems Lab				3
6	CS202T	Discrete Structures	3	0	0	6
7	CE301T	Environmental studies	3	0	0	6
8	NO	NSO/NSS/NCA/NCC	0	0	0	2
		Total Credits				39+2
		Semester III				
S.No	Course code	Course name	L	T	P	C
1	MA401T	Introduction to probability Theory	3	1.5	-	9
2	CS201T	Automata Theory	3	15	0	9
3	CS407T	Mathematics for Data Science				6
4	CS203T	Design and Analysis of Algorithms	3	0	0	6
5	CS201C	Software Systems Lab	2	0	2	6
Total	credits					36
		Semester IV				
S.No	Course code	Course name	L	T	P	1
1	MA402T	Statistics	3	0	+	6
2	MA302T	Real Analysis	2	1	0	6
3	CS204T	Artificial Intelligence	3	0	0	6

			_	1	_	1					
4	CS201L	Artificial Intelligence Laboratory	0	0	3	3					
5	CS301L	Computer Architecture Laboratory	0	0	3	3					
6	CS302T	Computer Architecture	3	0	0	6					
7	MA 210	Statistics	3	0	0	6					
Total credits											
		Semester V									
S.N	o Course code	Course name	L	Т	P	С					
1	MA407T	Stochastic Models	3	0	0	6					
2	MA404T	Introduction to Mathematical Finance I	3	0	0	6					
3	CS403T	Introduction to Graph Theory	3	0	0	6					
4	1	Elective				6					
5	1	Elective				6					
6	HS 201	Economics	3	0	0	6					
Total credits											
						36					
Semester VI											
S.N	O Course code	Course name	L	Т	P	С					
1	MA303T	Group Theory	3	1	0	6					
2	MA408T	Introduction to Mathematical Finance 2	3	0	0	6					
3	MA107T	Advanced Linear Algebra	3	1	0	6					
4		Elective	+	1	+	6					
5	+	Elective			1	6					
	MA409T	numerical Linear Algebra	3	0	0	6					
Tot	al credits	numerical Emedi Aigeora	15	10	10	36					
Total credits											
		Semester VII									
SN	o Course Code	Course Name	T.	Т	P	С					
1	o course coue	Elective		1	+	6					
2		Elective			+	6					
3		Elective			<u> </u>	6					
4		Elective			1	6					
	al credits	Licetive		ļ		24					
101	il credits					24					
		Semester VIII									
C N	o Course Code		т	т	ъ	C					
	O Course Code	Course Name Elective	L	T	P	C					
2	+	Elective			+						
_	+				+	6					
3	and Chadita Da	Elective				6 18					
Overal Credits Required (Minimum)											
	0 1 0 11:	Description 1 (Minimum)				262					
Overal Credits Required (Minimum)											