	Civi	l and Infrastructure Engineering				
	SFMFST	ER - I (Common for all B.Tech Courses)				
S.No	C. Code	Course	L	Т	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
/	NO107/ NO105/ NO 106/	Design Tilliking and Creativity	- 1	10	U	FF/INF
8	NO 108	NSO/NSS/NCC/NCA	0	0	2	2
	First Semester Total Credi			10	<u> -</u>	37
	This Semester Total Crear					37
		Semester II				
				T	Τ	Total
S.No	Course Code	Course Name	L	T	P	Credits
1	CE 101	Introduction to Civil Engineering	2	1	0	6
2	CS 201	Data Structures & Algorithms	3	0	0	6
3	CS 211	Data Structures & Algorithms Lab	0	0	3	3
4	MA 103	Differential Equations I (2nd Half Semester)	3	1	0	4
5	MA 406	Introduction to Numerical Methods (1st Half Semester)	3	1	0	4
6	ME 201	Engineering Mechanics	2	1	0	6
7	ME 111	Engineering Graphics Lab	1	0	3	5
8	ME 113	Hands-on Engineering Lab	0	0	3	3
9	NO107/ NO105/ NO 106/ NO 108	NSO/NSS/NCC/NCA	1	0	0	2
7	NO 108	Total Number of Credits	1	10	IO	37
		Total Number of Cledits				37
		Semester III				
S.No	Course Code	Course Name	L	Т	P	C
1	ME208T	Fluid Mechanics	2	1	0	6
2	ME205T	Mechanics of Materials	2	1	0	6
3	CE201C	Building and Construction Materials	1	1	2	6
4	HS201T	Economics	2	1	+	6
5	CE201T	Hydraulics Engineering	2	1	0	6
6	CE202C	Building Planning and Drawing	2	0	2	6
0	CH202C	Total Credits		10		36
		Total Cicuits				30
		Semester IV				
S.No	Course Code	Course Name	L	Т	P	C
1	CE202T	Surveying and Geomatics	2	1	0	6
2	CE202L	Surveying and Geomatics Laboratory	0	0	3	3
3	CE203T	Structural Analysis	2	1	0	6
4	ME204L	Solid Mechanics Laboratory	0	0	3	3
5	ME202L	Fluid Mechanics Laboratory	0	0	3	3
J	MEZUZL	riuid Mechanics Laboratory		U	5	3

6	CE301T	Environmental Studies	3	0	0	6
7	CE208T	Water Resources Engineering	2	1	0	6
		Institute Elective-I	2	1	0	6
		Total Credits			•	39
		Semester V				
S.No	Course Code	Course Name	L	T	P	С
1	CE302T	Design of Concrete Structures	2	1	0	6
2	CE303T	Geotechnical Engineering	2	1	0	6
3	CE304T	Transportation Engineering	2	1	0	6
4	CE302L	Transportation Engineering Laboratory	0	0	3	3
5	CE303L	Geotechnical Engineering Laboratory	0	0	3	3
6	CE305T	Environmental Engineering	2	1	0	6
7	CE304L	Environmental Engineering Laboratory	0	0	3	3
8	CE305L	Civil Engineering Software Laboratory	0	0	3	3
		Total Credits		-		36
		Semester VI				
S.No	Course Code	Course Name	L	T	P	C
1	CE306T	Design of Steel Structures	2	1	0	6
	CE301C	Sensor Technologies & Instrumentation				
2		in Civil Engineering	2	0	2	6
3	CE307T	Foundation Engineering	2	1	0	6
4	CE308T	Estimation and Costing in Civil Engineering	1.5	0	0	3
5		Institute Elective-II	2	1	0	6
6		HSS Elective-I [from Basket: 1 OR 2] (Professional/Applied Ethics)	2	1	0	6
		Total Credits				33
		Semester VII				
S.No	Course Code	Course Name	L	T	P	C
1	CE309T	Construction Engineering and Management	2	1	0	6
2	CE401C	Civil and Infrastructure Engineering Design	1	0	1	3
3		Institute Elective-V				6
4		HSS Basket 1 or 2 (Elective-II)				6
5		BTP-I/Program Elective-I	0	0	6	6
		Total Credits				27
		Semester VIII				
S.No	Course Code	Course Name	L	T	P	C
1		BTP-II/Program Elective-II	0	0	6	6
		Total Credits	Credits			6
	Overal Credits Requi	red (Minimum)				254