		Civil and Infrastructure Engineering				
	SEI	MESTER - I (Common for all B.Tech Courses)				
S.No	C. Code	Course	L	Т	P	C
1	CY101T	Fundamental concepts and Applications of Chemistry	3	0	0	6
2	MA108T	Calculus	3		0	9
3	ME201T	Engineering Mechanics	2	1	0	6
4	PH101T	Quantum Physics and Applications	2	1	0	6
5	CS101C	Computer Programming	3	0	3	9
6	HS101T	Design Thinking and Creativity	1	0	0	PP/NP
7	NO 101/NO 103	National Sports Organization	0	0	2	2
,	100 101/100 103	Total Credits				38
		Semester II				
		Semester II	T	Τ		Total
S.No	<b>Course Code</b>	Course Name	L	T	P	Credits
1	CE101T	Introduction to Civil Engineering	2	1	0	6
2	CE301T	Environmental Studies	3	0	0	6
3	MA109T	Linear Algebra and Differential Equations	3	1.3	0	9
4	ME101C	Engineering Graphics Lab	1	0	3	5
5	CS101T	Data Structures and Algorithms	3	0	0	6
6	CS101L	Data Structures and Algorithms Laboratory	0	0	3	3
7	ME101L	Hands on Engineering Lab	0	0	3	3
	NO107/ NO105/ NO					
8	106/ NO 108	NSO/NSS/NCC/NCA	1	0	0	2
		Total Number of Credits		_		40
		Semester III				
S.No	Course Code	Course Name	L	T	P	C
1	CE205T	Building Materials and Construction	3	0	0	6
2	CE206T	Sustainable Infrastructure Planning	2	1	0	6
3	ME208T	Fluid Mechanics	2	1	0	6
4	ME205T	Mechanics of Materials	2	1	0	6
5	HS201T	Economics	2	1	0	6
6	CE204L	Construction Materials Laboratory	0	0	3	3
7	CE203L	Building Drawing Practice	0	0	3	3
		Total Credits				36
		Semester IV				
S.No	Course Code	Course Name	L	Т	P	C
1	CE202T	Surveying and Geomatics	3	0	0	6
2	CE2021 CE202L	Surveying and Geomatics Laboratory	$\frac{3}{0}$	0	3	3
3	CE202E CE203T	Structural Analysis	3	0	0	6
4	ME204L	Solid Mechanics Laboratory	$\frac{3}{0}$	0	3	3
5	ME202L	Fluid Mechanics Laboratory	0	0	3	3
6	CE207T	Hydraulics and hydraulic Machinery	3	0	0	6

CE302T	7	CE208T	Water Resources Engineering	3	0	0	6	
Course Code   Course Name			Total Credits			•	33	
Course Code   Course Name								
CE302T			Semester V					
CE303T   Geotechnical Engineering   3   0   0   6	S.No	<b>Course Code</b>	Course Name	L	T	P	C	
CE304T	1	CE302T	Design of Concrete Structures	3	0	0	6	
CE304T	2	CE303T	Geotechnical Engineering	3	0	0	6	
CE303L   Geotechnical Engineering Laboratory   0   0   3   3   3   6   CE305T   Environmental Engineering   3   0   0   6   6   7   CE304L   Environmental Engineering Laboratory   0   0   3   3   3   3   3   3   3   4   5   5   5   5   5   5   5   5   5	3	CE304T		3	0	0	6	
CE305T	4	CE302L	Transportation Engineering Laboratory	0	0	3	3	
CE304L	5	CE303L	Geotechnical Engineering Laboratory	0	0	3	3	
Total Credits   33   33   33   34   35   35   35   35	6	CE305T	Environmental Engineering	3	0	0	6	
Semester VI	7	CE304L	Environmental Engineering Laboratory	0	0	3	3	
Course Code   Course Name   L T P C					•	•	33	
Course Code   Course Name   L T P C								
CE306T			Semester VI					
CE309T   Construction Engineering and management   3   0   0   6	S.No	<b>Course Code</b>	Course Name	L	T	P		
CE307T   Foundation Engineering   3   0   0   6	1	CE306T	Design of Steel Structures	3	0	0	6	
Institute Elective-I/R&D Project in Civil Engineering	2	CE309T	Construction Engineering and management	3	0	0	6	
CE306L   Sensors Technologies & Instrumentation in Civil   Engineering   0   0   3   3   3   5   5   Institute Elective-II   2   1   0   6   5   5   5   5   5   5   5   5   5	3	CE307T	Foundation Engineering	3	0	0	6	
Engineering	4		Institute Elective-I/R&D Project in Civil Engineering	3	0	0	6	
Institute Elective-II		CE306L	Sensors Technologies & Instrumentation in Civil					
Total Credits   33	5		Engineering	0	0			
Semester VII   S.No   Course Code   Course Name   L   T   P   C	6		Institute Elective-II	2	1	0	6	
Course Code   Course Name   L   T   P   C			Total Credits				33	
Course Code   Course Name   L   T   P   C								
CE401C   Civil and Infrastructure Engineering Design   1   0   2   6			Semester VII					
CE401P   BTP-I/Intensive BTP-1*   0   0   6/9   6/9     CE308T   Estimation and Costing in civil Engineering   2   1   0   6     Institute Elective-III/ Program Elective-I   2   1   0   6     Institute Elective-IV   2   1   0   6     Total Credits   30/33     Semester VIII	S.No		Course Name	L	T	P		
CE308T   Estimation and Costing in civil Engineering   2   1   0   6	1			1	0	2	6	
Institute Elective-III/ Program Elective-I   Solution   Institute Elective-IV	2		BTP-I/Intensive BTP-1*	0	0	6/9	6/9	
Institute Elective-IV   2   1   0   6	3	CE308T	Estimation and Costing in civil Engineering	2	1	0		
Total Credits   30/33     30/33	4		Institute Elective-III/ Program Elective-I	2	1	0		
Semester VIII           S.No         Course Code         Course Name         L         T         P         C           CE404         BTP-II/Program Elective-II         0         0         6/9         6/9           Institute Elective-V/Program Elective-II         0         0         0         6           Total Credits         12/15	5		Institute Elective-IV	2	1	0	6	
S.NoCourse CodeCourse NameLTPCCE404BTP-II/Program Elective-II006/9Institute Elective-V/Program Elective-II0006Total Credits12/15			Total Credits				30/33	
S.NoCourse CodeCourse NameLTPCCE404BTP-II/Program Elective-II006/9Institute Elective-V/Program Elective-II0006Total Credits12/15								
CE404         BTP-II/Program Elective-II         0         0         6/9           Institute Elective-V/Program Elective-II         0         0         0         6           Total Credits         12/15			Semester VIII					
Institute Elective-V/Program Elective-II 0 0 0 6 Total Credits 12/15	S.No				+		_	
Total Credits 12/15	1	CE404	Š		+	+	_	
			,	0	0	0		
Overal Credits Required (Minimum) 255/26							12/15	
		Overal Credits Required (Minimum)						