02 Yr M. Tech. Programme (Structural Engineering) with CBCS

			<u> </u>		
		SEMESTER-I			
Sr. No.	Subject Code	Courses	L-T-F	Credits	
		THEORY	The state of the s		
1	-	Generic Elective	3-1-0	4	GE1
2	CE541	Advanced Construction Materials	2-1-0	3.	Cl
3	CE543	Applied Elasticity and Plasticity	2-1-0	3 ·	
4	CE545	Structural Dynamics	2-1-0	3	C2 C3
5		Elective – I	2-1-0	3	DSE1
<u>6</u>		Open Elective I	3-0-0	3	OEI
	27777	PRACTICALS			OEI
<u>/</u>	CE553	CAD Lab	0-0-3	2	C4
Ü	CE511	Seminar	0-0-3	2	SEC1
9	GP	General Proficiency	tua .	Non Credit	
		Total	12-5-5	2.3	
		Total Contact Hours	2:		

Elective – I

1. CE 547: Finite Element Method

2. CE 549: Solid Mechanics

Generic Elective (GE1)

- 1. MA 406 Operation Research
- 2. MA 507 Optimization Techniques
- 3. MA 402 Modeling and Simulation

Open Elective I

Courses offered from other schools

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02 Yr M.Tech. Programme (Structural Engineering) with CBCS

		SEMESTER-II(Batch 2015	5 onwards)		
Sr.	Subject	Courses	L-T-P	Credits	
No.	Code				
		THEORY			
Ĭ	CE542	Prestressed Concrete	3-1-0	4	C5
2.	CE544	Advanced Structural Analysis	2-1-0	3	C6 .
3	CE546	Advanced Concrete Design	3-1-0	4	C7
Zļ.	CE548	Bridge Design	3-1-0	4	C8
5		Specialization Elective - I	3-1-0	4	DSE2
		PRACTICALS			
6	CE556	Structural Analysis Lab – I	0-0-3	. 2	C9
7	CE516	Project	0-0-10	5	DP1
8	GP	General Proficiency	-	Non Credit	
		'Total	12-5-13	26	
		Total Contact Hours	3	0	

Specialization Elective I (DSE 2)

• CE 552: Design of Tall Buildings

• CE 554: Earthquake Resistant Design of Structures

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or Yr M.Tech. Programme (Structural Engineering) with CBCS

		SEMESTER-III			
Sr.	Subject	Courses	L-T-P	Credits	
No.	Code				
		THEORY			710
	CE641	Plates and Shells	2-1-0	3	C10
$\frac{1}{2}$	CE643	Advanced Steel Design	3-1-0	4	C11
	<u>CE043</u>	Specialization Elective - II	3-1-0	4	DSE3
		PRACTICALS	-		
4	CE617	Dissertation Fart - I	2* -0-16	8	DP2
	GP GP	General Proficiency		Non Credit	
		Total	8-3-16	19	
		Total Contact Hours	27	7	

^{*}This will not be a usual lecture session, but this one is one to one interaction of each student with the concerned faculty member

Specialization Elective II(DSE 3)

CE645: Building Services

o CE647: Hydraulic Structures

CE649: Rock Mechanics and Tunneling

Sr.	Subject	Courses	L-T-P	Credits	
No.	Code				
		THEORY	r Hiladi Besi		
1	CE620	Dissertation Part - II		22	DP3
2	GP	General Proficiency	-	Non Credit	
		Total		22	
		Total Contact Hours	_		

Grand Total Credits: 90

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