

03 year batch 2023 onwards

**03 Year M.Tech. Programme (Structural Engineering) with CBCS
(Weekend/Online/Offline Classes)**

SEMESTER-I-Structural Engineering (2023 batch onwards)					
Sr. No.	Subject Code	Courses	L-T-P	Credits	
		Theory			
1.		Generic Elective*	3-1-0	4	GE1
2.	CEE501	Advanced Construction Materials	2-1-0	3	C1
3.	CEE503	Applied Elasticity and Plasticity	2-1-0	3	C2
4.	CEE505	Structural Dynamics	2-1-0	3	C3
		Practicals			
7.	CEE507	CAD Lab	0-0-3	2	C4
8.	CEE509	Seminar	0-0-2	1	SEC1
9.	GP	General Proficiency	-	Non Credit	
		Total	9-4-5	16	
		Total Contact Hours	18		

*Course from other departments with the permission of Head of Department

SEMESTER-II-Structural Engineering (2023 batch onwards)					
Sr. No.	Subject Code	Courses	L-T-P	Credits	
		Theory			
1.		Elective-I	3-1-0	4	DSE1
2.		Open Elective-I	3-0-0	3	OE1
3.	CEE502	Prestressed Concrete	3-1-0	4	C5
4.	CEE504	Advanced Structural Analysis	2-1-0	3	C6
		Practicals			
7.	CEE506	Structural Analysis Lab-I	0-0-3	2	C7
9.	GP	General Proficiency	-	Non Credit	
		Total	11-3-3	16	
		Total Contact Hours		17	

Elective-I(DSE1)

1. CEE502 Finite Element Method
2. CEE508 Advanced Solid Mechanics

Open Elective-I

- Course from other departments with the permission of Head of Department

SEMESTER-III-Structural Engineering (2023 batch onwards)					
Sr. No.	Subject Code	Courses	L-T-P	Credits	
		Theory			
1.	CEE601	Advanced Concrete Design	3-1-0	4	C8
2.	CEE603	Bridge Design	3-1-0	4	C9
3.		Specialization Elective -I	3-1-0	4	DSE2
		Practicals			
9.	GP	General Proficiency	-	Non Credit	
		Total	9-3-0	12	
		Total Contact Hours	12		

Specialization Elective -I (DSE2)

1. CEE605 Design of Tall Buildings
2. CEE607 Earthquake Resistant Design of Structures
3. CEE609 Off Shore Structures

SEMESTER-IV-Structural Engineering (2023 batch onwards)					
Sr. No.	Subject Code	Courses	L-T-P	Credits	
		Theory			
1.	CEE602	Plate and Shells	2-1-0	3	C10
2.	CEE604	Advanced Steel Design	3-1-0	4	C11
		Practicals			
7.	CEE606	Project	0-0-10	5	DP1
9.	GP	General Proficiency	-	Non Credit	
		Total	5-2-10	12	
		Total Contact Hours	17		

SEMESTER-V-Structural Engineering (2023 batch onwards)					
Sr. No.	Subject Code	Courses	L-T-P	Credits	
		Theory			
1.		Specialization Elective -II	3-1-0	4	DSE2
		Practicals			
7.		Dissertation Part-I	2*-0-16*	8	DP2
9.	GP	General Proficiency	-	Non Credit	
		Total	5-1-16	12	
		Total Contact Hours	22		

Specialization Elective -II (DSE2)

1. CEE701 Building Services
2. CEE703 Hydraulic Structures
3. CEE705 Rock Mechanics and Tunneling

SEMESTER-VI-Structural Engineering (2023 batch onwards)					
Sr. No.	Subject Code	Courses	L-T-P	Credits	
		Theory			
		Practicals			
7.	CEE702	Dissertation Part-II	-	22	DP3
9.	GP	General Proficiency	-	Non Credit	
		Total	-	22	
		Total Contact Hours	-		

Grand Total Credits = 90