

Curriculum for M.Tech in Structural Engineering (SE)

Course Code	Course Title	Total Number of contact hours				Core / Elective	Credits
		Lecture (L)	Tutorial (T)	Practical# (P)	Total Hours		
CE 5001	Advanced Structural Analysis	3	0	0	3	Core	6
CE 5002	Behaviour and Design of RC Structures	3	0	0	3	Core	6
CE 527	Theory of Vibration	3	0	0	3	Core	6
CE 5003	Concrete Lab	0	0	2	2	Core	2
CE 532	Advanced Concrete Technology	3	0	0	3	Elective-I	6
CE 526	Numerical Methods for Dynamical Systems						
CE 5041	Design of Masonry Structures						
CE 5042	Theory of Plates and Shells						
CE 536	Soil Structure Interaction	3	0	0	3	Elective-II	6
CE 580	Advanced Foundation Engineering						
CE 5051	Composite Structures						
CE 5052	Constitutive Modelling of Materials						
CE 5011	Behaviour and Design of Steel Structures	3	0	0	3	Core	6
CE 541	Earthquake Resistant Design of Structures	3	0	0	3	Core	6
CE 5012	Applied Elasticity and Plasticity	3	0	0	3	Core	6
CE 5013	Seminar	0	0	2	2	Core	2
CE 540	Finite Element Method for Static and Dynamic Systems	3	0	0	3	Elective-III	6
CE 544	Optimization Methods in Engineering						
CE 5061	Design of Pre-stressed Concrete Structures						
CE 5062	Design of Special Structures						
CE 604	Bridge Engineering	3	0	0	3	Elective-IV	6
CE 5071	Structural Optimization						
CE 5072	High Rise Structures						
CE 5073	Stability and Reliability of Structures						
CE 553	Performance based seismic design structure						
CE 5022	Project (Part-I)	0	0	-	-	Core	12
CE 5032	Project (Part-II)	0	0	-	-	Core	24