

List of Program Electives

S. No.	Subject	Subject Code
1	Nonlinear Analysis and computer aided methods	MTST-601
2	Finite Element Methods	MTST-602
3	Non-destructive Testing and Composite Materials	MTST-603
4	High Rise Buildings	MTST-604
5	Structural Reliability	MTST-605
6	Structural Optimisation	MTST-606
7	Pre-stressed Concrete Structures	MTST-607
8	Analysis & Design of substructures	MTST-608
9	Soil-Structure Interaction	MTST-609
10	Earthquake Resistant Design of Masonry and RC Buildings	MTST-610
11	Buried Structures	MTST-611
12	Design of Highway and Airport Pavements	MTST-612
13	Environmental Impact assessment & Management	MTST-613
14	Disaster Reduction and Management	MTST-614
15	Site Investigations	MTST-615
16	Advanced Structure Design and detailing	MTST-616
17	Industrial Structures	MTST-617
18	Theory of elasticity and plasticity	MTST-618
19	Structural Stability	MTST-619
20	Ground Improvement	MTST-620

List of subjects to be offered as 'Open Electives'

1	Experimental Methods in Engineering	MTST-621
2	Numerical Methods in Engineering	MTST-622
3	Instrumentation and model simulation	MTST-623
4	Advanced Engineering Mathematics	MTST-624
5	Probabilistic Methods in Engineering	MTST-625
6	Limit Analysis	MTST-626

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