

### List of Program Electives

S. No.	Subjects	Subject Code
1 ✓	Soil-Structure Interaction ✓	MTGT-601 ✓
2 ✓	Rock Mechanics ✓	MTGT-602 ✓
3 ✓	Geosynthetic Engineering ✓	MTGT-603 ✓
4 ✓	Structural Design of Foundations ✓	MTGT-604 ✓
5 ✓	Clay Mineralogy ✓	MTGT-605 ✓
6 ✓	Retaining Structures ✓	MTGT-606 ✓
7 ✓	Slope Stability Analysis ✓	MTGT-607 ✓
8 ✓	Case Histories in Geotechnical Engineering ✓	MTGT-608 ✓
9 ✓	Earth Anchors ✓	MTGT-609 ✓
10 ✓	Design of Highway and Airport Pavements ✓	MTGT-610 ✓
11 ✓	Strength of Materials ✓	MTGT-611 ✓
12 ✓	Buried Structures ✓	MTGT-612 ✓
13 ✓	Environmental Impact assessment & Management ✓	MTGT-613 ✓
14 ✓	Soil chemistry, pollution & Control ✓	MTGT-614 ✓
15 ✓	Disaster Reduction and management ✓	MTGT-615 ✓
16 ✓	Environmental Geotechnology ✓	MTGT-616 ✓
17 ✓	Ground Improvement ✓	MTGT-617 ✓
18 ✓	Earthen Embankment ✓	MTGT-618 ✓
19 ✓	Geomechanics ✓	MTGT-619 ✓
20 ✓	Highway Materials & Construction ✓	MTGT-620 ✓

### List of subjects to be offered as 'Open Electives'

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

OTC