

**INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI**  
**M. Tech. Curriculum: Geotechnical Engineering**  
**From the Academic Year 2020-21**

**Semester-I**

S.No.	Course Code	Course Name	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	CE524L	Geotechnical Investigations and Foundation Design	3-0-0-3	CE5027	8
2.	CE506L	Pavement Analysis and Design	3-0-0-3	CE5117	3
3.	CE534L	Advanced Soil Mechanics	3-0-0-3	CE5112	11
4.	CE534P	Advanced Soil Mechanics Laboratory	0-0-3-2	CE5199	11
5.		Mathematics Elective-1	2-0-0-2	MAE1	
6.		Mathematics Elective-2	2-0-0-2	MAE2	
<b>Total Credits</b>			<b>15</b>		

**Semester-II**

S.No.	Course Code	Course Name	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	CE526L	Ground Improvement and Geosynthetics	3-0-0-3	CE5206	8
2.	CE526P	Ground Improvement and Geosynthetics Laboratory	0-0-3-2	CE5294	11
3.	CE507L	Soil Dynamics and Geotechnical Earthquake Engineering	3-0-0-3	CE5211	3
4.		Department Elective-1	3-0-0-3	DPE1	
5.		Department Elective-2	3-0-0-3	DPE2	
6.		Free Elective-1	3-0-0-3	FRE1	
<b>Total Credits</b>			<b>17</b>		

**Semester-III**

S.No.	Course Code	Course Name	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	CE691G	Project Phase-I	- - -10	CE6150	4
2.	CE693G	Seminar	- - - 1	CE6110	4
<b>Total Credits</b>			<b>11</b>		

**Semester-IV**

S.No.	Course Code	Course Name	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1.	CE692G	Project Phase-II	- - -15	CS6250	4
2.		Free Elective-2	3-0-0-3	FRE2	
<b>Total Credits</b>			<b>18</b>		

**Total Credits - 61**