

**M.Tech Curriculum**  
**Transportation & Infrastructure Engineering**  
 From Academic Year 2019-20

**Semester I**

S. No.	Course No.	Course Name	L-T-P-C
1.	CE5109	Traffic Engineering and Road Safety	3-0-0-3
2.	CE5117	Pavement Analysis and Design	3-0-0-3
3.	CE5195	Pavement Engineering Lab	0-0-3-2
4.	CE5197	Traffic Engineering Lab	0-0-3-2
5.	DEP1	Department Elective-1	3-0-0-3
6.	MAE	Mathematics Elective	3-0-0-3
<b>Total</b>			<b>16</b>

**Semester II**

S. No.	Course No.	Course Name	L-T-P-C
1.	CE5101	Pavement Materials and Construction	3-0-0-3
2.	CE5022	Traffic Flow Modeling and Simulation	3-0-0-3
3.	CE5206	Ground Improvement and Geosynthetics	3-0-0-3
4.	DPE2	Department Elective-2	3-0-0-3
5.	FRE1	Free Elective-1	3-0-0-3
<b>Total</b>			<b>15</b>

**Semester III**

S. No.	Course No.	Course Name	L-T-P-C
1.	CE6112	Seminar	- - -1
2.	CE6152	Project Phase-I	- - -10
<b>Total</b>			<b>11</b>

**Semester IV**

S. No.	Course No.	Course Name	L-T-P-C
s1.	CE6252	Project Phase-II	- - -15
2.	FRE2	Free Elective-2	3-0-0-3
<b>Total</b>			<b>18</b>

**Total Credits - 60**

**Department Electives**

- 1) CE5023 Integrated Impact Assessment
- 2) CE5026 GIS and Remote Sensing
- 3) CE5027 Geotechnical Investigations and Foundation Design
- 4) CE5031 Air Pollution Control Engineering

**Mathematics Electives**

- 1) MA5101 Mathematics for Engineers
- 2) MA5103 Statistical Methods for Engineers