

Course Structure: M. Tech. 2022-24

Semester - I

S. No.	Course Code	Course Title	L	T	P	Credit(s)
1	MAS4103	Application of Statistical Methods	3	1	0	4
2	CEE4109	Pavement Materials	3	0	1	4
3	CEE4106	Advanced Concrete Science & Technology	3	0	0	3
4	CEE4110	Traffic Engineering	3	0	0	3
5	CEE4103	Environmental Impact Assessment	3	0	0	3
6	PE-I	Professional Elective - I	3	0	0	3
Total Credits						20
Total Contact hours/week						21

Semester - II

S. No.	Course Code	Course Title	L	T	P	Credit(s)
1	CEE4206	Pavement Analysis and Design	3	1	0	4
2	CEE4202	Research Methodology and IPR	3	0	0	3
3	CEE4207	Urban Transportation Planning	3	0	0	3
4	PE-II	Professional Elective - II	3	0	0	3
5	PE-III	Professional Elective - III	3	0	0	3
6	PE-IV	Professional Elective - IV	3	0	0	3
Total Credits						19
Total Contact hours/week						19

List of Professional Elective(s) - I

S. No.	Course Code	Course Title	L	T	P	Credit
1	CEE4141	Global Climate Change Adaptation & Mitigation measures	3	0	0	3
2	CEE4153	Advanced Foundation Design	3	0	0	3

List of Professional Elective(s) - II

S. No.	Course Code	Course Title	L	T	P	Credit
1	CEE4242	Environmental Health & Safety	3	0	0	3
2	CEE4252	Ground Improvement Techniques	3	0	0	3
3	CEE4205	Advanced Construction Techniques & Management	3	0	0	3
4	CEE4261	Pavement Maintenance and Management Systems	3	0	0	3

List of Professional Elective(s) - III

S. No.	Course Code	Course Title	L	T	P	Credit
1	CEE4254	Advanced Bridge Engineering	3	0	0	3
2	CEE4262	Advanced Traffic Engineering	3	0	0	3

List of Professional Elective(s) - IV

S. No.	Course Code	Course Title	L	T	P	Credit
1	CEE4247	Advanced Environmental Management	3	0	0	3
2	CEE4259	Repair and Rehabilitation of Structures	3	0	0	3
3	CEE4260	Cost Management of Engineering Projects	3	0	0	3
4	CEE4263	Advanced Soil Mechanics	3	0	0	3