

DEPARTMENT OF CIVIL ENGINEERING

Curriculum M.Tech. (Civil Engineering)

SPECIALIZATION: TRANSPORTATION ENGINEERING

FIRST SEMESTER

Sl. No.	Subj. Code	Subjects	L-T-P	Credit	Class work	Theory	Practical	Total	Duration of Exam (Hours)
1	CE 641	Transportation Systems Planning	3-1-0	4	50	100	-	150	3
2	CE 643	Highway and Airport Pavement Materials	3-1-0	4	50	100	-	150	3
3		Professional Elective-I	3-1-0	4	50	100	-	150	3
4		Professional Elective-II	3-1-0	4	50	100	-	150	3
5		Professional Elective-III	3-1-0	4	50	100	-	150	3
6	CE 681	Computational Laboratory	0-0-3	2	50	-	50	100	-
7	CE 677	Transportation Engineering Laboratory	0-0-3	2	50	-	50	100	-
8	CE 685	Seminar & Technical Writing-I	0-0-3	2	50	-	50	100	-
		TOTAL		26					

SECOND SEMESTER

Sl. No.	Subj. Code	Subjects	L-T-P	Credit	Class work	Theory	Practical	Total	Duration of Exam (Hours)
1	CE 640	Analysis and Structural Design of Pavements	3-1-0	4	50	100	-	150	3
2	CE 604	Finite Element Method	3-1-0	4	50	100	-	150	3
3		Professional Elective-III	3-1-0	4	50	100	-	150	3
4		Professional Elective-IV	3-1-0	4	50	100	-	150	3
5		Professional Elective-V	3-1-0	4	50	100	-	150	3
6	CE 676	Transportation Engineering Design Practice	0-0-3	2	50	-	50	100	-
7	CE 686	Traffic & Transportation Engineering Laboratory	0-0-3	2	50	-	50	100	-
8	CE 689	Seminar & Technical Writing-II	0-0-3	2	50	-	50	100	-
		TOTAL		26					

THIRD SEMESTER

Sl. No.	Subj. Code	Subjects	L-T-P	Credit	Class work	Theory	Practical	Total	Duration of Exam (Hours)
1	CE 691	Seminar & Technical Writing - III	0-0-3	2	50	-	100	150	-
2	CE 693	Summer Research/Industrial Project		4	50	-	100	150	-
3	CE 695	Research Project Work - I		8	100	-	200	300	-
4	CE 697	Research Project Review -I		8	100	-	200	300	-
		TOTAL		22					

FOURTH SEMESTER

Sl. No.	Subj. Code	Subjects	L-T-P	Credit	Class work	Theory	Practical	Total	Duration of Exam (Hours)
1	CE 692	Seminar & Technical Writing - IV	0-0-3	2	50	-	100	150	-
2	CE 694	Comprehensive Viva Voce		4	50	-	100	150	-
3	CE 696	Research Project Work -II		8	100	-	200	300	-
4	CE 698	Research Project Review -II		4	50	-	100	150	-
5	CE 699	Dissertation		8	100	-	200	300	-
		TOTAL		26					