



School of Engineering & Technology

Department of Civil Engineering

Course – M.Tech Transportation Engineering and Planning
Semester – I

Sr. No.	Core	Course Code	Course Name	Teaching Scheme (Hrs./Week)				Examination Scheme				Total Marks
				L	T	P	C	Formative Assessment CIA		Summative Assessment ESE		
								Course	Lab	Course	Lab	
01	PC	PTR101	Research Methodology	4	--	--	4	50	--	100	--	100
02	PC	PTR102	Transportation Economics and Evaluation	4	--	--	4	50	--	100	--	100
03	PC	PTR103	Highway Materials and Construction	4	--	--	4	50	--	100	--	100
04	PC	PTR104	Urban Transportation Planning	4	--	--	4	50	--	100	--	100
Elective – I												
05	PE	PTRE01	Traffic Flow Theories	4	--	--	4	50	--	100	--	100
06	PE	PTRE02	Bridge & Tunnel Engineering									
07	PE	PTRE03	Decision Models in Management									
08	PE	PTRE04	Transportation Software Laboratory.									
09	PE	PTRE05	Ground Improvement Technin									
07	PC	PTR111	Lab practice-I	--	--	4	2	--	50	--	50*	100
TOTAL				20	--	4	22	250	50	500	50	600

CIA: Continuous Internal Assessment L: Theory Lecture T: Tutorial P: Practical TH: Theory Exam.	#: Internship for 15 days. *:: Oral Examination UC: University Core PC: Programme Core PE: Programme Elective	CIA	Weightage	Description
		CIA 1	10%	Home Assignment
		CIA 2	20%	Mid-Term Exam (MTE)
		CIA 3	10%	Seminar Presentation
		CIA 4	10%	Research Based Activity
		TOTAL	50%	

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School of Engineering & Technology

Department of Civil Engineering

**Course – M.Tech Transportation Engineering and Planning
Semester – II**

Sr. No.	Core	Course Code	Course Name	Teaching Scheme (Hrs./Week)				Examination Scheme				Total Marks
				L	T	P	C	Formative Assessment CIA		Summative Assessment ESE		
								Course	Lab	Course	Lab	
01	PC	PTR201	Traffic Engineering & Road Safety	4	--	--	4	50	--	100	--	100
02	PC	PTR202	Pavement Analysis & Design	4	--	--	4	50	--	100	--	100
03	PC	PTR203	Operation, Maintenance & Management of Pavements	4	--	--	4	50	--	100	--	100
04	PC	PTR204	Regional Transport System & Planning	4	--	--	4	50	--	100	--	100
Elective – II												
05	PE	PTRE206	Railway and Airport Engineering	4	--	--	4	50	--	100	--	100
06	PE	PTRE207	Bridge & Tunnel Engineering									
07	PE	PTRE208	Decision Model in Management									
08	PE	PTRE209	Transpiration Softwear Laboratory									
09	PC	PTRE211	Lab Practice II	--	--	4	2	--	50	--	50*	100
TOTAL				20	--	4	22	250	50	500	50	600

CIA: Continuous Internal Assessment L: Theory Lecture T: Tutorial P: Practical TH: Theory Exam.	#: Internship for 15 days. *: Oral Examination UC: University Core PC: Programme Core PE: Programme Elective	CIA	Weightage	Description
		CIA 1	10%	Home Assignment
		CIA 2	20%	Mid-Term Exam (MTE)
		CIA 3	10%	Seminar Presentation
		CIA 4	10%	Research Based Activity
		TOTAL	50%	

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School of Engineering & Technology

Department of Civil Engineering

**Course – M.Tech Transportation Engineering And Planning
Semester – III**

Sr. No.	Core	Course Code	Course Name	Teaching Scheme (Hrs./Week)				Examination Scheme				Total Marks
				L	T	P	C	Formative Assessment CIA		Summative Assessment ESE		
								Course	Lab	Course	Lab	
01	PC	PTR311	Project Stage-I	--	--	10	10	--	50	--	50	100
02	PC	PTR312	Presentation Stage-II	--	--	10	10	--	50	--	50	100
TOTAL				--	--	20	20	--	100	--	100	200

CIA: Continuous Internal Assessment L: Theory Lecture T: Tutorial P: Practical TH: Theory Exam.	#: Internship for 15 days. * : Oral Examination UC: University Core PC: Programme Core PE: Programme Elective	CIA	Weightage	Description
		CIA 1	10%	Home Assignment
		CIA 2	20%	Mid-Term Exam (MTE)
		CIA 3	10%	Seminar Presentation
		CIA 4	10%	Research Based Activity
		TOTAL	50%	





School of Engineering & Technology

Department of Civil Engineering

**Course – M.Tech Transportation Engineering And Planning
Semester – IV**

Sr. No.	Core	Course Code	Course Name	Teaching Scheme (Hrs./Week)				Examination Scheme				Total Marks
				L	T	P	C	Formative Assessment CIA		Summative Assessment ESE		
								Course	Lab	Course	Lab	
01	PC	PTR411	Project Stage-III	--	--	10	10	--	50	--	50	100
02	PC	PTR412	Final Presentation and Viva Voce	--	--	10	10	--	100	--	100	200
TOTAL				--	--	20	20	--	150	--	150	300

CIA: Continuous Internal Assessment	#: Internship for 15 days.	CIA	Weightage	Description
L: Theory Lecture	*: Oral Examination	CIA 1	10%	Home Assignment
T: Tutorial	UC: University Core	CIA 2	20%	Mid-Term Exam (MTE)
P: Practical	PC: Programme Core	CIA 3	10%	Seminar Presentation
TH: Theory Exam.	PE: Programme Elective	CIA 4	10%	Research Based Activity
		TOTAL	50%	
		L		

