

Sr. No.	Branch	Year	Sem.	Course Code	Course Name	Category	Teaching & Learning Scheme				Exam Hrs.	Marks			Credit	
							Classroom Instruction (CI) (in hours per semester)	Lab Instruction (LI) (in hours per semester)	Term Work (TW) and Self Learning (SL) (TW+ SL) (in hours per semester)	Total no. of Hours per semester		CIE	SEE	Total		
L	T	P	SL													
1	TE	I	I	CEPL101	Transportation Planning	PCC	45	0	0	45	90	3	40	60	100	3
2	TE	I	I	CEPL102	Pavement Materials and Construction	PCC	45	0	0	45	90	3	40	60	100	3
3	TE	I	I	CEPL111	Advanced Concrete Technology	PEC	45	0	0	45	90	3	40	60	100	3
4	TE	I	I	CEPL112	Ground Improvement Techniques		45	0	0	45	90	3	40	60	100	
5	TE	I	I	CEPL113	Environmental Impact and Risk Assessment		45	0	0	45	90	3	40	60	100	
6	TE	I	I	CEPL114	Geometric Design of Highways	PEC	45	0	0	45	90	3	40	60	100	3
7	TE	I	I	CEPL115	Design of Rural Roads		45	0	0	45	90	3	40	60	100	
8	TE	I	I	CEPL116	Transportation Infrastructure Design		45	0	0	45	90	3	40	60	100	
9	TE	I	I	NP40.01	Optimization Techniques	MCC	45	0	0	45	90	3	40	60	100	3
10	TE	I	I	NP99.XX	AUDIT COURSE	MCC	-	-	-	-	-	-	-	-	-	-
11	TE	I	I	CEPP130	Pavement Material Testing Laboratory	PCC	0	0	60	-	60	2	60	40	100	2
12	TE	I	I	CEPP131	Transportation Software Lab	PCC	0	0	60	-	60	2	60	40	100	2
13	TE	I	I	CEPA100	Social Outreach, Discipline & Extra Curricular Activities (SODECA)	SODECA	-	-	-	-	-	-	-	-	100	1
Total Credit																20

Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur
(An Autonomous Institute Affiliated to Rajasthan Technical University, Kota)

Teaching and Examination Scheme (For Students Admitted in A.Y. 2024-25 & onwards)

M.Tech.-Transportation Engineering (TE)

M.Tech. I Year (Semester II)

Sr. No.	Branch	Year	Sem.	Course Code	Course Name	Category	Teaching & Learning Scheme					Exam Hrs.	Marks			Credit
							Classroom Instruction (CI) (in hours per semester)		Lab Instruction (LI) (in hours per semester)	Term Work (TW) and Self Learning (SL) (TW+ SL) (in hours per semester)	Total no. of Hours per semester		CIE	SEE	Total	
							L	T	P	SL						
1	TE	I	II	CEPL201	Pavement Analysis and Design	PCC	45	0	0	45	90	3	40	60	100	3
2	TE	I	II	CEPL202	Traffic Engineering	PCC	45	0	0	45	90	3	40	60	100	3
3	TE	I	II	CEPL211	Urban Mass Transportation System	PEC	45	0	0	45	90	3	40	60	100	3
4	TE	I	II	CEPL212	Application of GIS in Transportation Engineering		45	0	0	45	90	3	40	60	100	
5	TE	I	II	CEPL213	Road Safety Engineering		45	0	0	45	90	3	40	60	100	
6	TE	I	II	CEPL214	Transportation Economics and Management	PEC	45	0	0	45	90	3	40	60	100	3
7	TE	I	II	CEPL215	Pavement Maintenance and Management Systems		45	0	0	45	90	3	40	60	100	
8	TE	I	II	CEPL216	Non-Motorized Transport and Management		45	0	0	45	90	3	40	60	100	
9	TE	I	II	NP99.XX	AUDIT COURSE	MCC	-	-	-	-	-	-	-	-	-	0
10	TE	I	II	CEPP230	Pavement Design and Evaluation Lab	PCC	0	0	60	-	60	2	60	40	100	2
11	TE	I	II	CEPP231	Traffic Studies and Analysis Lab	PCC	0	0	60	-	60	2	60	40	100	2
12	TE	I	II	CEPD250	Mini Project with Seminar	REW	0	0	60	-	60	2	60	40	100	2
13	TE	I	II	CEPA200	Social Outreach, Discipline & Extra Curricular Activities (SODECA)	SODECA	-	-	-	-	-	-	-	-	100	1
Total Credit																19

Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur
 (An Autonomous Institute Affiliated to Rajasthan Technical University, Kota)
Teaching and Examination Scheme (For Students Admitted in A.Y. 2024-25 & onwards)
M.Tech.-Transportation Engineering (TE)

M.Tech. II Year (Semester III)

Sr. No.	Branch	Year	Sem.	Course Code	Course Name	Category	Teaching & Learning Scheme				Exam Hrs.	Marks			Credit	
							Classroom Instruction (CI) (in hours per semester)	Lab Instruction (LI) (in hours per semester)	Term Work (TW) and Self Learning (SL) (TW+ SL) (in hours per semester)	Total no. of Hours per semester						
												L	T	P		SL
1	TE	II	III	CEPL311	Logistics and Freight Management	PEC	45	0	0	45	90	3	40	60	100	3
2	TE	II	III	CEPL312	Sustainable Construction Engineering		45	0	0	45	90	3	40	60	100	
3	TE	II	III	CEPL313	Road Asset Management System		45	0	0	45	90	3	40	60	100	
4	TE	II	III	NP40.02	Research Methodology and IPR	MCC	45	0	0	45	90	3	40	60	100	3
5	TE	II	III		Open Elective (Choose subject from the list)	MCC	45	0	0	45	90	3	40	60	100	3
6	TE	II	III	CEPD360	Pre-Dissertation	REW	0	0	300			4	240	160	400	12
Total Credit																21

M.Tech. II Year (Semester IV)

Sr. No.	Branch	Year	Sem.	Course Code	Course Name	Category	Teaching & Learning Scheme				Exam Hrs.	Marks			Credit	
							Classroom Instruction (CI) (in hours per semester)	Lab Instruction (LI) (in hours per semester)	Term Work (TW) and Self Learning (SL) (TW+ SL) (in hours per semester)	Total no. of Hours per semester		CIE	SEE	Total		
																L
1	TE	II	IV	CEPD470	Dissertation	REW	0	0	480			4	360	240	600	20
Total Credit															20	