




JSPM UNIVERSITY PUNE

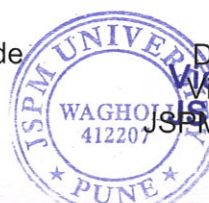
Faculty of Science and Technology School of Civil Engineering and Environmental Sciences Course Structure: M. Tech. (Transportation Engineering)


Semester – I Level - 6.5

Sr. No.	Course Type	Course Code	Course Name	Teaching Scheme (Hrs. per week)				Examination and Marking Scheme			Credits
				L	T	P	EL	TH	PR	OR	
01	PSMC	230GMAM03_01	Probability and Statistics	2	1	-	-	100	-	-	3
02	PSBC	230GTEM01_01	Traffic Engineering	3	-	-	2	100	-	-	3.5
03	PCC	230GTEM02_01	Pavement Materials and Construction	2	-	-	-	100	-	-	2
04	PCC	230GTEM03_01	Applications of Remote Sensing and Geographic Information System	2	-	-	-	100	-	-	2
05	MMC	230GRAM24_01	Sensors and Automation	1	-	2	-	-	50	50	2
06	SEC	230GTEM19_01	Geospatial Analysis	2	-	2	-	-	50	50	3
07	VSC (HSMC)	230IDCB01_01	Design Thinking and Creativity	1	-	-	2	-	-	50	1.5
08	AEC (HSMC)	230UENM01_01	Communicative English for Professionals	1	-	2	-	50	-	-	2
09	RMC	230IRMM01_01	Research Methodology	2	-	-	-	50	-	-	2
10	LC	230GTEM20_01	Transportation Engineering lab	-	-	2	-	-	50	-	1
Total Academic Engagement and Credits				16	1	8	4	500	150	150	22
				25				800			


 Dr. M. Nithya
 Programme Coordinator
 FST


 Dr. R. S. Deshpande
 Dean
 FST




 Dr. B. B. Ahuja
 Vice-Chancellor
 JSPM University
 Pune



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Faculty of Science and Technology School of Civil Engineering and Environmental Sciences Course Structure: M. Tech. (Transportation Engineering)

Semester – II Level – 6.5

Sr. No.	Course Type	Course Code	Course Name	Teaching Scheme (Hrs. per week)				Examination and Marking Scheme			Credits
				L	T	P	EL	TH	PR	OR	
01	PCC	230GTEM04_02	Pavement Analysis and Design	2	1	-	-	100	-	-	3
02	PCC	230GTEM05_02	Highway Structures	2	-	-	2	100	-	-	2.5
03	PCC	230GTEM06_02	Highway Geotechnology	3	-	-	-	100	-	-	3
04	MMC	230GETM16_02	IoT Basics and Applications	1	-	2	-	-	50	50	2
05	SEC	230GSEM20_02	MATLAB for Engineers	2	-	2	-	-	50	50	3
06	VSC (HSMC)	230IINB02_02	Innovation	1	-	-	2	-	-	50	1.5
07	AEC (HSMC)	230UENM02_02	Business Communication	1	-	2	-	50	-	-	2
08	RMC	230IRMM02_02	Research Design and Techniques	2	-	-	-	50	-	-	2
09	LC	230GTEM21_02	Traffic and Pavement Engineering lab	-	-	2	-	-	50	-	1
10	IITP/FE/CEP	230GTEM22_02	Internship / Field Project / Community Engagement Programme	4 to 6 weeks				-	-	50	2
Total Academic Engagement and Credits				14	1	8	4	400	150	200	22
				23				750			

Note: A Postgraduate Diploma will be awarded if a student exits after first year.
For Exit at the end of first year the student must complete: (Total credits = 8)
a) An internship / OJT of 8 - 10 weeks (4 credits)
b) Additional Course 1 (4 credits) (Vocational Skill Course (VSC) / Skill Enhancement Course (SEC))

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