



Course Outcomes		Department -	Civil Engineering
Course Title:	Quantitative Techniques		
Subject Code:	MTUP- 101		
Program:	M.Tech	Semester : I	
Credits:	T-3+1	P-NIL	Total : 04
Course Outcome			
1	Student should able to know Data Collection: Primary and Secondary Sources of data		
2	Student should able to know characteristics of a Good Average, Arithmetic		
3	Student should able to know Sampling: Purpose and Principle of Sampling		
4	Student should able to know Difference between Correlation and Regression, Linear Bivariate		
5	Student should able to know • Time Series Analysis: Components of Time Series		

Course Outcomes		Department -	Civil Engineering
Course Title:	History & Theory of Urban Planning		
Subject Code:	MTUP- 102		
Program:	M.Tech	Semester : I	
Credits:	T-3+1	P-NIL	Total : 04
Course Outcome			
1	Student should able to know Brief history of human settlements		
2	Student should able to know Settlements and Physical Form, Town plans, during Sumerian		
3	Student should able to know The form of the modern city in the age of automobile		
4	Student should able to know Scope, purpose and methods of Planning		
5	Student should able to know Urban concentrations and growth characteristics factors		
Course Outcomes		Department -	Civil Engineering
Course Title:	Housing and Community Planning		

Subject Code:	MTUP- 103		
Program:	M.Tech	Semester : I	
Credits:	T-3+1	P-NIL	Total : 04
Course Outcome			
1	Student should able to know . Housing as integral component of comprehensive urban		
2	Student should able to know Housing situation in India in quantitative and qualitative terms		
3	Student should able to know Basic considerations for the formulation of viable housing policy		
4	Student should able to know Housing in the informal sector		
5	Student should able to know Public housing programmes, site and services and slums up		

Course Outcomes		Department -	Civil Engineering
Course Title:	Traffic and Transportation Planning		
Subject Code:	MTUP- 104		
Program:	M.Tech	Semester : I	
Credits:	T-3+1	P-NIL	Total : 04
Course Outcome			
1	Student should able to know Transport Systems: National, Regional and Local requirements for Transport		
2	Student should able to know Design of Urban Roads in relation to different types of traffic		
3	Student should able to know Traffic management, principles, methods		
4	Student should able to know Concepts of basic needs, formation of objectives		
5	Student should able to know Solid waste disposal, site selection and management		

Course Outcomes		Department -	Civil Engineering
Course Title:	Evolution and Planning Thought		
Subject Code:	MTUP- 105		
Program:	M.Tech	Semester : I	
Credits:	T-3+1	P-NIL	Total : 04
Course Outcome			
1	Student should able to know Development of planning thought and principles from ancient times		
2	Student should able to know City as a living spatial entity, Ekistics and the city		
3	Student should able to know Aims and objectives of physical planning, levels of planning in India		
4	Student should able to know Models of planning process		

5	Student should able to know Different types of Urban plans at micro and macro level Study		
Course Outcomes			
		Department -	Civil Engineering
Course Title:	Lab I (Planning Studio-I)		
Course Code:	MTUP-106		
Program:	M.Tech.	Semester - I	
Credits:	T - Nil	P - 06	Total - 06
Course Outcome			
1	To understand the basic knowledge of Preparation Detailed Layout Plan with Model		
2	To be able to understand the Detailed Layout Plan with Model for Commercial		
3	To get to know about the Site Visit to Town Planning Scheme in Bhopal City		
4	To understand the Urban Renewal/Redevelopment project for an urban area including surveys, analysis, costing, phasing and methodology of implementation		

Course Title:	Lab II (Planning Studio Seminar- I)		
Course Code:	MTUP-107		
Program:	M.Tech.	Semester : I	
Credits:	T-Nil	P-6	Total-6
Course Outcome			
1	To be able to understand the Design and lay out for an Industrial, Commercial, Institutional areas		
2	To understand the Design of dwelling units		
3	To get to know about the study of Planning Proposals		
4	To be able to understand the Study of an existing Town for its Urban Development and Planning		

