

	<b>School of Planning and Architecture: Vijayawada</b>	
	(An institution of National Importance under the Ministry of Education, Govt. of India)	
	Survey No.4/4, ITI Road, Vijayawada-520008, Andhra Pradesh, India	
<b>Department of Architecture   Master of Urban Design</b>		
<b>Course:</b>	<b>MUD211 - Urban Mobility</b>	<b>Class:</b> 2nd Year III- Semester 2024
<b>Instructors:</b>	Ar.Dheeraj Ch	<b>Internal Assessment: 50</b>
		<b>External Theory Exam: 50</b>
<b>Contact Periods/ week:</b> 03 periods.(55 min each)		<b>Total Marks: 100</b>
<b>Time Table:</b>	Thursday (03 periods)	<b>Credits: 3</b>
<p><b>Objective:</b> This course aims to expose the student to urban mobility networks and how the movement corridors directly influence the urban design of different cities in India. At the same time a more nuanced understanding of issues related with urban mobility especially related to public transport, pedestrian spaces and emerging trends are to be provided in this course.</p>		

<b>Week</b>	<b>Lecture Plan</b>	<b>Remarks/Topic of Assignment</b>
Week 1	Introduction to the Urban Mobility	Lecture
Week 2	Importance and Role of transport in Urban Design, Accessibility v/s Mobility	Lecture + Discussion
Week 3	Urban Transport Types of Urban Mobility Systems	Lecture
Week 4	Land Use & Transport Sustainable Planning and Design for Mobility	Lecture + Assignment
Week 5	Urban Form and Movement Networks Environmental and Social Sustainability in Transport	Lecture + Discussion
Week 6	Sustainable Urban Mobility Plan Street Design Guidelines	Lecture + Assignment

Week 7	Group Exercise	<b>MID SEM Assessment</b>
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Week 8	Transport Modes in Cities IPT to Public Transport, Public v/s Private Modes	Lecture
Week 9	IPT to Public Transport, Public v/s Private Modes	Lecture + Discussion
Week 10	Design for Transit - TOD, Last mile connectivity, Walkability & Pedestrian environments	Lecture
Week 11	Mobility Systems and ITC interfaces Smart Transportation	Lecture
Week 12	Case Studies Presentation	Assignment
Week 13	Role Play Discussion/Debate	Student Activity
Week 14	Design Tools and Methods	Lecture
Week 15	Application of Geo-informatics & Space syntax	Lecture + <b>Assessment 3</b>

S. No.	Stages of Evaluation	Weightage
1	First stage: Assessment	15
2	Mid Semester Examination	20
3	Third stage: Assessment	15
	Total	50

**Outcome:** A Critical overview of urban mobility and its impact on achieving a liveable city.

<b>Course Instructors:</b> sd/- (Ar. Dheeraj Ch)	<b>Head of Department :</b> sd/- (Dr. Srinivas Daketi)
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