Event Brief on

Workshop on "VISSIM Traffic Simulation Software"

Date: 28th May, 2025
Time: 9:00 am – 5:00 pm
Venue: Studio 203 (M.Plan. 2 Classroom), 2nd Floor, IDPT

Course: Transportation Planning & Urban Mobility
Course Faculty: Prof. Rikta Desai, Prof. Kuldeepsinh Jadeja
Organized by: Sarvajanik School of Planning, Institute of Design, Planning & Technology (IDPT), Sarvajanik University, Surat
Target Students: First Year students of M.Arch. (Urban Design) and M.Plan. (Urban & Regional Planning)
Total Attendees: 30

No. of Students	No. of Faculties	Other Invitees	**Total**
26	4	0	**30**

Overview:

A full-day workshop on the VISSIM Multimodal Traffic Simulation Software was conducted on Wednesday, 28th May 2025, for first-year M.Arch. (Urban Design) and M.Plan. (Urban & Regional Planning) students. The workshop aimed to provide practical exposure and simulation techniques in the domain of transportation planning using VISSIM software. The sessions were curated as part of the curriculum for the course "Transportation Planning and Urban Mobility Exercise."

The Workshop was conducted in 2 sessions
Session 1 – Introduction to Urban Mobility & VISSIM
Session 2 – VISSIM Interface and Stimulation Demonstration
Session 3 – Hands-on Exercise by Students

The lecture was well-received by the Students, sparking thoughtful discussions on the future of Traffic Stimulation. Students left with a deeper understanding of the complexities of Transportation Planning Process & development and a renewed commitment to fostering balanced growth across the Cities.

Speaker Details:

1. **Dr. Chetan Patel**, Associate Profesor, CED, SVNIT – Delivered Session 1
2. **Prof. Dhaval Barot**, Assistant Professor, CED, Government Engineering College - Valsad – Delivered Session 2 and 3

Outline of Session

Workshop on VISSIM Multimodal Traffic Simulation Software			
Date - 28th May, 2025 (Wednessday)			
From	***To***	***Perticular***	***Conducted by***
9:00 AM	*9:05 AM*	*Welcome Address & Introduction to Speaker and Topic*	
9:00 AM	*11AM*	*Session 1*	*Dr. Chetan Patel, SVNIT*
11:00 AM	*11.15 AM*	*Tea Break*	
11.15 AM	*1.15 PM*	*Session 2*	*Prof. Dhaval T. Barot, GEC - Valsad*
1.15 PM	*2:00 PM*	*Lunch Break*	
2:00 PM	*4:55 PM*	*Session 3*	*Prof. Dhaval T. Barot, GEC - Valsad*
4:55 PM	*5:00 PM*	*Vote of Thanks*	

Key Topics Covered:

- Introduction to PTV VISSIM Software
- Applications of VISSIM in Urban Transport Planning
- Multimodal Traffic Simulation Techniques
- Network Coding and Calibration
- Case Studies and Practical Demonstrations

Outcome:

Participants gained hands-on understanding and application-based exposure to simulation modeling in multimodal transport networks. The workshop facilitated critical thinking in planning efficient traffic systems and enhanced students' proficiency with industry-relevant tools.

Finance:

Event Sponsored by: IDPT
Total Expenses Incurred: 10,000/-

Photographs from Event

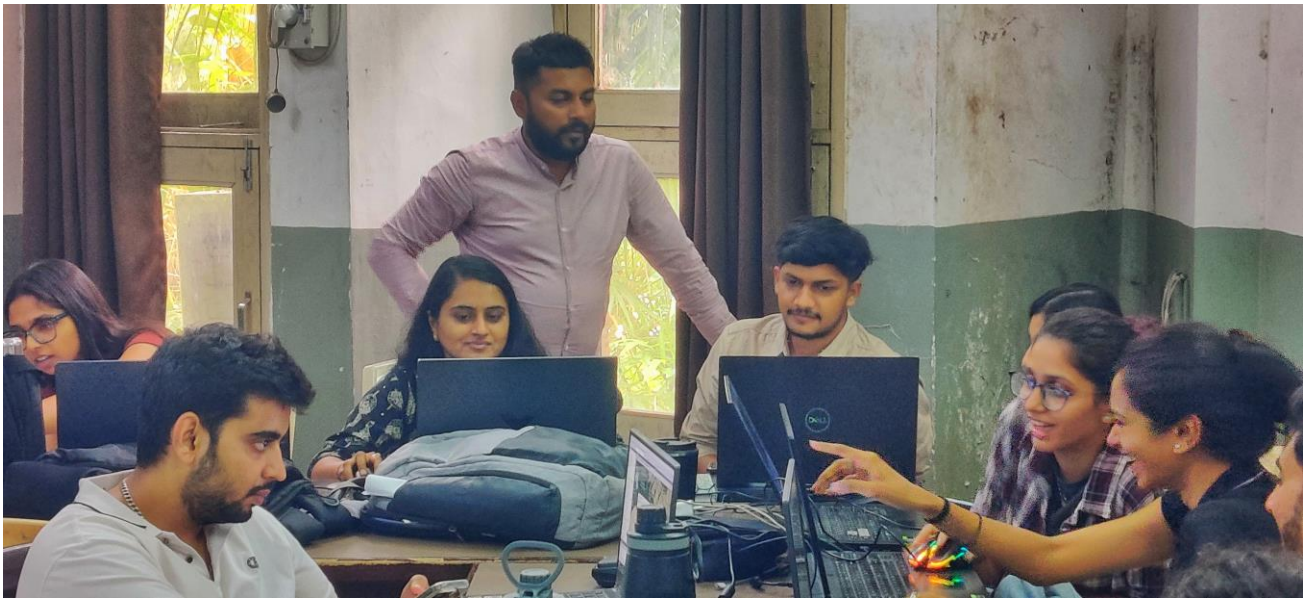







Travel Demand Modeling
– Explain the current travel behavior
• How many trips
• From where to where
• On what mode
• On what route





Attendance Report

Sr. No.	Enrolment No.	Name of Attendee
Master of Planning (Urban & Regional Planning) – 1st Year		
1	DP24MUUP001	AHIR NIKHIL VINAYBHAI
2	DP24MUUP002	BORICHA ARTIBEN SAVJIBHAI
3	DP24MUUP003	DESAI JASH PRASHANT
4	DP24MUUP004	KANDOI SRUSHTI RAJENDRA
5	DP24MUUP005	LAD PARTHKUMAR DHIRAJBHAI
6	DP24MUUP006	MANGUKIYA KRIS DINESHBHAI
7	DP24MUUP007	MANIYA ARJUN RANCHHODBHAI
8	DP24MUUP008	MEHTA CHERRYKUMARI RAJENDRABHAI
9	DP24MUUP009	MODI SAKSHI RAJESH
10	DP24MUUP010	MOVALIYA RIDDHI RAMESHBHAI
11	DP24MUUP011	PAREKH JHANVI DARSHANKUMAR
12	DP24MUUP012	PATEL BRINDA TUSHARCHANDRA
13	DP24MUUP013	PATEL HETVIKUMARI HEMANTKUMAR
14	DP24MUUP014	PINDIWALA ABHISHEK PANKAJKUMAR
15	DP24MUUP015	PRAJAPATI DISALI ASHOKBHAI
16	DP24MUUP016	RATHOD AYUSHI HARESHBHAI
17	DP24MUUP017	SHAH NIRALEE DHARMESHKUMAR
18	DP24MUUP018	SURTI DEV ASHWIN
Master of Architecture (Urban Design) – 1st Year		
19	DP24MRUD001	CHAUHAN VARISHA VIJAY
20	DP24MRUD002	KHOLWADWALA FERIL PRAFULKUMAR
21	DP24MRUD003	MALAVIA YESHA BRIJESH
22	DP24MRUD004	MIT JAYESH SHAH
23	DP24MRUD005	SALECHA DHRUVI JAYANTILAL
24	DP24MRUD006	SHAH AYUSH KEYUR
25	DP24MRUD007	SHUBHANGI AGRAWAL
26	DP24MRUD008	TANK BHAVTIK DILIP