



Report on PTV VISSIM Online Training

Date: March 21-23, 2023

Venue: Online via MUP Lab Computers

The PTV VISSIM online training program was held over three days, from March 21 to March 23, 2023. The training sessions were conducted in the morning from 10:00 AM to 12:30 PM, followed by a 90-minute lunch break, and resumed in the afternoon from 2:00 PM to 4:30 PM. The training was conducted online, utilizing the computers located in the MUP lab, and participants were required to bring their own headphones/earphones for the online sessions. The software was already installed and operational on the computers in the lab.

The online training on PTV VISSIM software covered a comprehensive range of topics related to traffic simulation and modeling. The training sessions were structured in a sequential manner, with each day building upon the concepts covered in the previous day's sessions. The content of the training included:

Day 1: Introduction to PTV VISSIM

- Overview of traffic simulation and modeling
- Understanding VISSIM user interface
- Creating a new network
- Defining network elements such as lanes, and intersections
- Basic editing and manipulation of network elements
- Running basic simulations

Day 2: Advanced VISSIM Features

- Advanced editing and manipulation of network elements
- Defining complex intersection layouts and signal control
- Modifying traffic demand and behaviour
- Advanced analysis and interpretation of simulation results
- Calibration and validation of simulation models
- Troubleshooting and common issues in VISSIM

Day 3: Real-World Applications of VISSIM

- Application of VISSIM in traffic planning
- Modeling and analyzing various traffic scenarios such as signalized intersections, roundabouts, and freeways
- Evaluating the impacts of traffic control strategies and operational improvements
- Case studies and practical examples of VISSIM applications in real-world projects
- Q&A and open discussion on VISSIM-related topics

The training sessions were conducted online via the computers located in the MUP lab. The participants were provided with access to the installed and operational PTV VISSIM software on the lab computers. The trainer used a combination of presentations, live demonstrations, and hands-on exercises to deliver the training content. Participants were encouraged to actively participate by asking questions and engaging in discussions during the sessions. The trainer also provided



guidance and support to participants during the hands-on exercises to ensure that they were able to practice the concepts and techniques covered in the training.

The online training on PTV VISSIM software held from March 21 to March 23, 2023, was successfully completed by the participants. The training covered a wide range of topics related to traffic simulation and modeling, including basic and advanced features of VISSIM, real-world applications, and practical examples. The training methodology, which included presentations, live demonstrations, and hands-on exercises, facilitated effective learning and understanding of the VISSIM software. Participants actively participated in the sessions and were able to practice the concepts and techniques covered. Overall, the training provided valuable knowledge and skills to the participants, which can be applied in their professional work related to traffic engineering and planning

The training was successfully completed by the following participants:

| Sl. No. | Name | Roll Number/ECN | Program | Department |
|---------|---------------------|------------------|---------|--------------------------|
| 1. | Dr. Prashant Prasad | 10868 | - | Architecture & Planning |
| 2. | Manish M Nair | MUP/10002/21 | MUP | Architecture & Planning |
| 3. | Jinal Boricha | MUP/10003/21 | MUP | Architecture & Planning |
| 4. | Ashwani Kumar | MUP/10004/21 | MUP | Architecture & Planning |
| 5. | Antriksh Khadgata | MUP/10005/21 | MUP | Architecture & Planning |
| 6. | Vishwam Chandrayan | MUP/10010/21 | MUP | Architecture & Planning |
| 7. | Sorabh Verma | MUP/10016/21 | MUP | Architecture & Planning |
| 8. | Krishna Varma | MUP/10018/21 | MUP | Architecture & Planning |
| 9. | Ashutosh Jena | MUP/10019/21 | MUP | Architecture & Planning |
| 10. | Kajal Sarkar | MUP/10020/21 | MUP | Architecture & Planning |
| 11. | Tanima | MUP/10024/21 | MUP | Architecture & Planning |
| 12. | Surbhi Ranjan | MUP10001/22 | MUP | Architecture & Planning |
| 13. | Rohit Kumar | MUP10003/22 | MUP | Architecture & Planning |
| 14. | Rupak Sagar | MUP10004/22 | MUP | Architecture & Planning |
| 15. | Deo Kumar Raj | MUP10005/22 | MUP | Architecture & Planning |
| 16. | Zenit Agarwalla | MUP10006/22 | MUP | Architecture & Planning |
| 17. | Satish Kumar | MUP10007/22 | MUP | Architecture & Planning |
| 18. | Kartik | MUP10008/22 | MUP | Architecture & Planning |
| 19. | Aditi Antad | MUP10010/22 | MUP | Architecture & Planning |
| 20. | Bhaskar Bhushan | PhD/CEE/10002/20 | PhD | Civil & Env. Engineering |
| 21. | Aarohi Kumar Munshi | PhD/CEE/10051/20 | PhD | Civil & Env. Engineering |
| 22. | MD. Zeeshan Ashraf | PhD/CEE/10003/22 | PhD | Civil & Env. Engineering |

Dr. Prashant Prasad
Assistant Professor
(Faculty coordinator for the PTV Training)

Dr. Smriti Mishra
Associate Professor & Head