PTV PARTNER

PTV Visum

UNITRANS MOBILITY SOLUTIONS

Sole distribution partner for India

PTV VISUM 2025 Training

January 9-10, 2025

Training Course: Introduction to macroscopic modelling using PTV Visum

SHORT DESCRIPTION	Target Groups	PREREQUISITES
During the three-day course you will learn how to handle the network objects and the processing of demand matrices. Moreover, operating various graphical analyses and evaluation is in the focus. We will acquaint you with the description of procedure sequences including the procedures for private transport assignment as well as a common procedure for public transport assignment. We will use the PTV Visum Scenario manager to illustrate how to construct a base scenario and multiple planning scenarios and how to handle with these scenarios. This course serves as the basis for any PTV Visum application and further training courses.	The PTV Visum introductory course addresses to transport planners with academic professional knowledge in the field of transport planning and engineering with practical experience in traffic and transport expertise. To specialist engineers, this training course provides an introduction into the PTV Visum practice for efficient processing and evaluation of traffic studies by means of a standard software.	You are familiar with the standard Office software tools (MS-Excel, MS-Word, OpenOffice.org, LibreOffice) that run with the operating system MS-Windows. You are able to use a conventional text editor (Notepad, Editor, TextPad, Notepad ++, etc.) for data editing. According to your professional background or due to your practical experience you are well-grounded in the field of transport planning. **Training mode** Online

Booking information
www.unitrans.in
mail: ptvsupportindia@unitrans.in

Vissim forum & learning videos

http://ptv.to/visum-user-forum

http://ptv.to/youtube-playlists

http://ptv.to/webinar

Course Content	
Day 1 ▪ Introduction to the fundamentals of transport planning and to PTV Visum ▪ PTV Visum network model – structure and processing. Explanation of network objects and correlation of basic elements ▪ PTV Visum network check and validation ▪ Network data import from third-party systems (e.g., shape file import) ▪ PTV Visum graphic parameters – simple introduction ▪ Introduction to Demand Modelling ▪ Setting up a demand model	**Day 2** ▪ Skim matrices and vectors Travel time, travel distance, access and egress times ▪ Volume-delay functions ▪ Impedance functions ▪ Assignment procedures in detail: Incremental assignment, Equilibrium assignment ▪ Basic public transport assignment procedure for PuT demand segments ▪ Matrix correction by T-Flow Fuzzy ▪ Graphical visualization of the assignment results as flow bundles, isochrones, turn volumes, or one of the difference display variants ▪ Scenario Management

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Schedule

Know your Trainer

Manraj Singh Bains
Director, Unitrans Mobility Solutions
B.Tech (Hons) Civil, MSc Transport planning and engineering,
PTV Certified Trainer

Expertise: Traffic Simulation and Transport Demand Modelling Expert

Countries of work experience: India, UAE, Mauritius, New Zealand, Senegal,
Australia, Bahrain, Jordon, Nepal, Bangladesh, Qatar, Bangladesh, Bhutan, UK

Manraj Singh Bains is a Traffic and Transportation Consultant with more than 11 years of experience in working in numerous industries as well as research projects related to transport planning and traffic engineering in Indian and across the world. Mr. Bains has core expertise in passenger and freight travel demand modelling traffic and traffic and pedestrian's micro simulation modelling.

His experience covers variety of projects ranging from comprehensive mobility plans, public transport operational modelling, traffic impact assessment studies, freight travel demand modelling, signal coordination and optimization, to multi modal integration studies, metro station and railway station level of service and evacuation studies for pedestrians, and traffic impact assessment studies. His research works are published in established journals including Transportation Research Record.

Mr. Bains is also a PTV Vision Certified trainer for PTV VISSIM, PTV VISUM, PTV VISWALK and PTV VISTRO for micro simulation and travel demand modelling software's for over 8 years and given over 100 training sessions around the world. He has keen interest in research initiatives related to application of new technologies and methods in transport modelling.

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