

29th - 31st October 2025
3 Days | 11 Sessions
24 Contact Hrs | 1.5 Credit Equivalent

Traffic Management & Simulation Techniques for Transport Planning

JOIN US

Target Audience

- Urban and Transport Planners
- Architects & Engineers
- DTCP & Municipal Planners
- Municipal Engineers
- Development officers
- Academicians
- Young Planners
- Researchers

Day 1 – Fundamentals of Traffic Management

- Principles of traffic flow
- Traditional control techniques
- Signal optimization strategies

Day 2 – Traffic Simulation

- Introduction to PTV VISSIM/AnyLogic/SUMO
- Traffic modelling and analysis
- Hands-on simulation workshop

Day 3 – Intelligent Transport Systems & Future Trends

- Traditional vs. Simulation-based approaches
- Role of AI & Smart mobility
- ITS tools and applications

Patrons

Prof. Dr. Ramesh Srikonda

Director, SPA Vijayawada

Prof. Dr. Ayon Kumar Tarafdar

Head A-CUPCB SPAV

Coordinated by

Dr. MNV Pavan Kumar

Principal Instructor
Faculty, Dept of Planning SPA Vijayawada

Mr. Sandeep P.

Principle Co- Instructor
Faculty, Dept of Planning SPA Vijayawada

Mr. Bharagava Teja S.

Principle Co- Instructor
Faculty, Dept of Planning SPA Vijayawada

Purpose of the Programme

Growing congestion and safety concerns on urban roads stress the need for efficient traffic management. Enhancing mobility, cutting travel time, and improving overall urban quality of life require combining traditional methods with modern transport simulation techniques.

SPA Vijayawada offers a three-day Executive Development Programme on “Traffic Management Methods Using Traditional Techniques and Transport Simulation Software.” The course blends conventional strategies with advanced simulation tools to study traffic flow, improve safety, and reduce delays. It is designed for both professionals and academicians seeking to strengthen expertise in transportation.

Participants will learn traffic flow analysis, level of service evaluation, and practical use of simulation software. The programme also introduces smart mobility and Intelligent Transportation Systems (ITS), preparing attendees to tackle evolving urban transport challenges through effective planning, research, and application.

Registration Open Now...!!



For Registration, Fees, etc Scan/Visit

Visit : https://acupcb.spav.ac.in/capacity-building/edp_25_01/

Registration deadline : 25/10/2025 , 05:00 pm

Further details, contact email: pavanmachavarapu@spav.edu.in

