योजना तथा वास्तुकला विद्यालय, विजयवाड़ा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Gov. of India

Executive Development Programme
On
SIMULATION TECHNIQUES FOR INTERSECTION DESIGN IN URBAN TRANSPORT PLANNING
05.07.2023 – 11.07.2023; 05.00 pm onwards

Programme Objective:
The overall objective of this programme is to equip the participants with the knowledge and technical skillsets for identification, evaluation and solving of urban transportation issues in our cities.

Programme details:
Mode: Online with hands on exposure

Fees: ₹1000 (General Participant); **₹500** (OBC(NCL)/EWS/SC/ST/PwD participants)

Last date of registration: 04.07.2023, 11.00 pm

Certificates will be provided on successful completion of the programme

Target Participants:
The programme is designed for Professionals working in the field of Transportation and Urban Planning, Researchers and Students pursuing higher education.

Benefits:
The Department of Planning is conducting a 6 day online "Executive Development Programme" to impart advanced skills and expertise on urban transport planning. Realising the present need for capacity building this online executive development programme will help in development of key technical skills and gain advance knowledge, and increase the productivity of working professionals in the field of urban transport planning

Programme Coordinator:
Prof. Dr. Ramesh Srikonda
Director, SPA Vijayawada
Professor,
Department of Architecture

Co-coordinator 1:
V Sai Sesidhar
Assistant Professor
Department of Planning
SPA Vijayawada

Co-coordinator 2 :
Dr. Adinarayanane R
HoD,
Department of Planning,
SPA Vijayawada

About SPA Vijayawada:
SPA Vijayawada is one of the three institutes of national importance, under the Ministry of Education (MoE), Government of India, offering education in the fields of Planning and Architecture. The School has distinguished itself and has grown as a role model in the professional education offering undergraduate, post graduate and doctoral programs in the fields of planning and architecture, while at the same time fostering quality research in these domains.

Department of Planning:
The Department of Planning at SPAV envisions the furthering of existing knowledge and creation of new frontiers in the field of 'Development and Planning' through providing enabling education and training, cutting edge research and professional consultancy in the region. Since 2008, the Department of Planning is involved in shaping young minds through quality education towards making them technically equipped, socially responsible and ethical professionals in the field of Planning.

Contact Details:
Survey No.4/4, ITI Road,
Vijayawada-520008,
Andhra Pradesh, India.
Phone: 0866 2469 463
Email:
headplanning@spav.ac.in

Registration link: https://forms.gle/ERSe3MLwzXT2aMVr8

Executive Development Programme on

SIMULATION TECHNIQUES FOR INTERSECTION DESIGN IN URBAN TRANSPORT PLANNING

Organised by

School of Planning and Architecture, Vijayawada

An Institute of National Importance, Ministry of Education Govt. of India

Course Objective:

The overall objective of this course is to equip the participants with the knowledge and technical skillsets for identification, evaluation and solving of urban transportation issues in our cities with hands-on exposure.

Target participants of the course:

The course is designed for Researchers, Students and Professionals working in the field of Transportation and Urban Planning.

Course Description

This course begins with an overview of transportation planning and related concerns in Indian cities, Transportation Plans, Transport Surveys, Applications of Intelligent Transport Systems and followed by detailed lectures and tutorials on application of simulation in transportation planning. There are a series of lectures scheduled with each lecture for 120-150 minutes duration. The reference material list (the journal articles, names of the books, and links to online tutorials) for each lecture will be shared.

Course Modules

04.07.2023: Urban Mobility

Introduction, Objectives of Transport Planning, Land Use and Transport Integration, Existing and Upcoming Concerns of Transport in Indian Cities, Policies, Programmes and Plans on Transport Planning, data needs and Outputs; Concept of Benchmarking.

05.07.2023: Traffic Management Systems

Introduction to traffic signals, warrant for signals, phasing and inter green period, saturation flow, optimization of signals, Vehicle actuated signal facilities, co-ordination of traffic signal, area traffic control system

06.07.2023: PTV Vissim – Modelling an Intersection

Introduction to software Interface, Generation of Links and Connectors, Vehicle Inputs, Static Route Assignment and Traffic Compositions, Signal Control - Fixed time signals

07.07.2023: PTV Vissim – Modelling Pedestrian Infrastructure

Pedestrian Areas, Obstacles, Pedestrian Inputs, Pedestrian Routing, Obstacles, Resolving Vehicle and Pedestrian Conflicts, Pedestrian Signals

09.07.2023: PTV Vissim – Evaluations Based on Traffic Capacity

Definition of capacity and level of service, factors affecting capacity and level of service, static and dynamic PCU, design service volume, capacity norms for urban roads with different widths, and Benchmarking of Transport Infrastructure.

10.07.2023: **Assessment and Discussion**

Software to be used: PTV VISSIM