शिक्षा मंत्रालय
MINISTRY OF EDUCATION
सत्यमेव जयते

GIAN
GLOBAL INITIATIVE OF ACADEMIC NETWORKS

UNSW SYDNEY

A 5-days GIAN Course on

Decision Support to Prioritize Smart City Projects

Organized by Department of Civil Engineering, NIT Warangal, **April 21-25, 2025**

About this Course

Transportation infrastructure in urban areas is critical for socio-economic development and improving resiliency to natural and man-made disasters. The technological advances in the fields of transportation provide a unique opportunity to transform existing urban mobility which demands various transport infrastructure to cater the needs of urban commuters. The course will focus on training public and private professionals and academics in India to assess transportation infrastructure and its consequences for benefits realised in the form of socio-economic, resiliency, and sustainability outcomes. It will rely on scientific transport economic modelling and data analytics. Adhering to a consistent cost-benefit assessment methodology for infrastructure will provide policymakers and technical implementation teams with the ability to undertake evidence-based decisions for Smart City projects and infrastructure investments.

Foreign Faculty

Dr. Vinayak Dixit is Professor of Transport Systems in the School of Civil and Environmental Engineering at the University of New South Wales (UNSW)

His key research interest lies in studying risk in the transportation infrastructure system ranging from crash risks, travel time uncertainty to resilient transportation infrastructure. He is the founding Director of the largest multi-modal networked driving simulator lab in the world, that is being used to study human factors in driving including interactions with automated vehicles. He has deployed transportation network models, policies and technologies globally.

Indian Faculty

Prof. CSRK Prasad is Professor in the Department of Civil Engineering, NIT, Warangal.

Dr B Raghuram Kadali, is Assistant Professor, in the Department of Civil Engineering, NIT, Warangal.

You Should Attend If…

- You are students at all levels (BTech/MSc/MTech/PhD).
- You are a Transportation engineering professional from State and Central Government agencies and industry
- You are faculty from reputed academic, and technical institutions.

Modules

Lectures: Transport Economics topics, travel demand models in infrastructure, project evaluation and forecasting, economic impact analysis and externalities, Computed general equilibrium models

Hands-on Sessions: Marginal cost estimation, travel time cost estimation, economic evaluation, estimation of congestion cost, Hands on practice of CGE model development

Number of participants for the course will be limited to 50.

The participation fee for the course is as follows:

Students: INR 1,000 + 18% GST
Student with Grade: INR 1,500 + 18% GST
Academic Institutions: INR 2,000 + 18% GST
Industry/ Research Organizations: INR 5,000 + 18% GST
Participants from abroad: US $500

Details for NEFT

Account Name	**DIRECTOR RESEARCH ACCOUNT**
Account No.	**62266262236**
Bank	**State Bank of India**
Branch	**REC Warangal (NIT Campus)**
Branch Code	**20149**
IFSC	**SBIN0020149**
MICR Code	**506002030**
SWIFT Code	**SBININBB**

The above fee includes all instructional materials, computer use for tutorials and assignments, 24 h free internet facility. The participants will be provided with accommodation on payment basis.

Register by 20-February-2025
Link: https://forms.gle/dMPfWBbCm7h8qaAJ8

Contact Details

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https://gian.iith.ac.in/lectures/upcoming

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