



# National Institute of Technology Warangal Karyashala



## Training on Advanced Methods for Transportation Data Analysis

A High-End Workshop under the Karyashala Scheme - a SERB Initiative

05<sup>th</sup> – 11<sup>th</sup> February 2024

### About NIT Warangal

NIT Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 13 Departments offering eight undergraduate and 34 post-graduate programmes besides doctoral programmes. About 5000 students across the country and about 500 international students study on the campus.

The Department of Civil Engineering was established as one of the major departments of NITW, in the year 1959. It offers B.Tech in Civil Engineering, 8 M.Tech programmes and PhD programme. It is a recognized QIP centre since 1978. The Department has well established and well equipped laboratories. The Department has experienced faculty engaged in teaching, research, capacity building activities and industry extension services. Faculty members represent several policy making and professional bodies. The Department has liaison with reputed industries and R&D organizations.

### About the Workshop

This workshop is planned to disseminate the knowledge on advanced method of transportation data collection using various advance tools and technologies in the area of transportation, includes smart mobility plan data collection, collection of travel time using V-box, autonomous vehicle application related data using LiDAR, GPS based data for location histories and travel time. Further, analysis of the collected data using various methods such as AI and ML techniques, Discrete choice model techniques and advanced modelling techniques. The following topics are to be covered in the workshop are:

- Advanced data collection methods for transportation planning data
- Advanced methods for data collection techniques on sustainable transport modes
- Exploring the freight demand estimation using advanced analytics
- Data collection and methods to analyse the smart and green mobility related data

### Who can Attend

PG and Ph.D. students of Civil Engineering or any other specialization studying/working in the area of Transportation Engineering.

Recently completed PG scholars are also eligible to apply. **Candidates who have completed Ph.D. will not be considered.**

The number of seats is limited to 25 (15 PG + 10 Ph.D.)

### Registration

Application Deadline: 15<sup>th</sup> January 2024

Announcement to Shortlisted Candidates: 20<sup>th</sup> January 2024

Application Link: <https://forms.gle/xQnmma4YMWSuSdzB9>

Scan here to apply



### Speakers

**Dr. CSRK Prasad**  
Professor (HAG)  
NIT Warangal

**Dr. Digvijay S. Pawar**  
Associate Professor  
IIT Hyderabad

**Dr. Suvin P**  
Assistant Professor  
IIT Hyderabad

**Dr. Prasanta Sahu**  
Associate Professor  
BITS Hyderabad

**Dr. K. V. R. Ravi Shankar**  
Associate Professor  
NIT Warangal

**Dr. Saladi Subbarao**  
Associate Professor  
Mahindra University

**Dr Adarsh K**  
Aigen Labs LLP  
Hyderabad

**Dr Ishant Sharma**  
Assistant Professor  
BITS Hyderabad

**Dr. Arpan Mehar**  
Associate Professor  
NIT Warangal

**Dr. Shashi Mesapam**  
Associate Professor  
NIT Warangal

**Dr. Raghuram K**  
Assistant Professor  
NIT Warangal

### Event Organizer

**Dr. Raghuram Kadali**

Assistant Professor  
Civil Engineering Department  
NIT Warangal  
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Email ID: brkadali@nitw.ac.in

- **No registration fee**
- **Free accommodation and food**
- **Travelling allowance will be included**