

Centre for Transportation Systems (CTrans) Indian Institute of Technology Roorkee

Are you **passionate** about pursuing cutting-edge research and actions for the improvement of India's transportation infrastructure under the supervision of experts? Are you excited to work in an **interdisciplinary** environment to tackle emerging transport challenges? Interested in conducting research with a **system-level** impact? Are you ready to align your **career** with the context specific research actions relevant for India?

If so, you are **welcome to apply** for the **fully funded PhD position in CTRANS**, a Centre of Excellence set up in IIT Roorkee, one of the oldest engineering colleges in India.



Important Dates

- Start of Online Application Process:
September 21, 2026
- Last Date for Filling up Application Form:
October 20, 2026
- Tentative Dates for Interview and/or Written Test:
November 16–21, 2026
- Date of Academic Registration (In-person):
January 07–08, 2027
- Commencement of Classes: **January 11, 2027**



Eligibility Criterion

The minimum educational qualifications (MEQs) for PhD admission is given in the advertisement of the institute should be considered for Centre for Transportation Systems:

<https://iitr.ac.in/Academics/Admission%20To%20Doctoral%20Programmes.html>



Faculty Profile

Explore the faculty profiles in the 'People' section in the following link (or scan the QR code):

<https://iitr.ac.in/Centres/Centre%20for%20Transportation%20Systems/index.html>



Potential Research Areas

- Smart & Sustainable Mobility
- Multimodal Transport & First/Last Mile Connectivity
- Public Transport Planning and Management
- Pedestrian Facility and NMT Planning
- Universal Accessibility and Public Space Design
- Transport and Infrastructure Policy
- E-mobility: Policy, Planning, and Designs
- Freight Transport & Logistics
- Intelligent Transportation Systems (ITS)
- Connected & Automated Mobility
- Road Design Safety & Risk Assessment
- Human Factors & Driver Behavior Modelling



Application Process

- Candidates are required to apply online through the **Official Admission Portal**:
<https://admission.iitr.ac.in/>
- Detailed information regarding the application fee, document requirements, and step-by-step instructions is available at the above link.
- Schedule for interview and/or written test will be intimated by the Centre.

Contact:

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CTrans Office: +91-01332-284230

Email Id: ctrans@iitr.ac.in



**LIST OF FACULTY MEMBERS WITH THEIR EXPERTISE/RESEARCH AREAS AVAILABLE
FOR RESEARCH GUIDANCE IN SPRING 2026-27 SESSION**

SN	Name of Faculty Member	Research Areas / Specializations for Guiding Ph.D.
Core Faculty		
1	Prof. Dhivyabharathi	Intelligent Transportation Systems, Traffic Flow Modelling, Public Transportation, AI/ML in Transportation, Connected and Automated Mobility
2	Prof. Hemant K. Suman	Operations Research & Optimization, Public Transport, Urban Freight & Logistics, Inland Waterway Transport, Sustainable & Electric Mobility
3	Prof. Tushar P. Choudhari	Road Safety, Human Factors, Performance-based Design, ADAS, EV and Shared Mobility, Transport Emission Modelling
Joint/Associated Faculty		
4	Prof. Ramesh Anbanandam	Supply Chain Management, Sustainable Transportation, Electric Vehicle, Mobility as a Service (MaaS), AI/ML Applications in Transportation
5	Prof. Anil Kumar	Mechanical Vibrations & Mitigation, Structural Dynamics & Control, Dynamics of Rail Vehicle
6	Prof. E. Rajasekar	Environmental Noise Modelling and Mitigation, Walkability and Cyclability Planning, Transport and Health
7	Prof. M. Parida	Traffic Noise Modelling & Abatement, Non-Motorised Transport, Quotative Data
8	Prof. R. D. Garg	UAV/UAS, Land Surveying, RS, DIP, Hyperspectral RS, Thermal, Microwave, GIS, WebGIS, GPS, GPR, LIDAR
9	Prof. Rajat Rastogi	Sustainable Transportation Planning, Integration of Transportation modes, Travel behaviour modelling, Policy Analysis, Road Safety
10	Prof. S.N. Rangnekar	Organisational Behaviour, Human Resource Management, Knowledge Management, Leadership
11	Prof. S. Sadhukhan	Active Transportation and Micro Mobility, Pedestrian Infrastructure, NMT, Users' Perception Studies, Universal Design
12	Prof. Uttam Kumar Roy	Transport Policy, Walkability, Public Transportation, Station area planning and design, MRTS and Transit Corridor Planning
13	Prof. K.M. Poluri	Green and Transportation Fuels, AI/ML for Alternate Fuels, Circular Economy, Energy-Environment Nexus
14	Prof. D. Parida	Climate Change and Development, Risk Communication, Disaster Risk Reduction, Environmental Governance and Policy, Southern Urbanism, Qualitative Methods
15	Prof. O.P. Agarwal	Transport Financing, Electric Mobility, Inland Water Transport