

Center for infrastructure, Sustainable Transportation and Urban Planning (CiSTUP)

Indian Institute of Science (IISc)

Internship Position in Traffic Studies

The Centre for infrastructure, Sustainable Transportation and Urban Planning (CiSTUP) at the Indian Institute of Science (IISc) invites applications for an internship in Traffic Studies, as part of the Centre of Excellence in Artificial Intelligence project (CoE AI).

General

- Stipend: ₹15,000/month for bachelor's students and ₹20,000/month for master's students. Certificate provided upon successful completion.
- Mode: In-person internship only. Candidates must arrange their own accommodation.
- Work Hours: Full-time (40 hours/week). Preference for immediate joiners and longer durations.
- Preference will be given to recent graduates, final-year students, and those who can commit to a duration of 3 months or more
- Interns will engage in real-world projects with scope for high-impact contributions.
- Deadline for Apply: 18th July 2025, 5:00 PM.

Education Background

Candidates should have a bachelor's or master's degree in civil engineering, Urban or Transport Planning, Transportation Systems, or a related discipline.

Roles and Responsibility

- **Traffic Analysis:** Perform volume counts and classification using real-world video data.
- **Field Surveys:** Conduct field data, travel time, and intersection studies.
- **AI Annotation:** Assist in video analysis and annotation for model training.
- **GIS Mapping:** Create visualizations using GIS tools.
- **Documentation:** Prepare reports and coordinate with stakeholders.

Skillset

- **Traffic Analysis:** Experience in volume counts, data analysis, and traffic projects.
- **Computer Vision:** Knowledge of YOLO or similar tools is a plus.
- **Tools:** Familiar with Excel, GIS, AutoCAD, VISSIM/Synchro.
- **Design Standards:** Familiarity with IRC codes and traffic design principles.
- **Coding:** Basic skills in Python or OpenCV.
- **Communication:** Good reporting and coordination skills.
- **Independent:** Able to work with minimal supervision.

To apply, please apply at the following link: <https://forms.gle/Wza4JSQLLpYL19Jx6>

For queries, contact Dileepan K at dileepank@iisc.ac.in with the position title in the subject.