



विश्वजीवनामृतं ज्ञानम्

अटल बिहारी वाजपेयी -  
भारतीय सूचना प्रौद्योगिकी एवं प्रबंधन संस्थान, ग्वालियर  
(राष्ट्रीय महत्व का संस्थान, मानव संसाधन विकास मंत्रालय भारत सरकार के तहत)  
Atal Bihari Vajpayee-  
Indian Institute of Information Technology & Management, Gwalior  
(An Institute of National Importance under Ministry of HRD, Government of India)

Ref: ABVIITMG/2024/224

Date: 19<sup>th</sup> February, 2025

**Advertisement for the intern position in the IHub Data-IIITH Sponsored Project (IIT-H/IHub/Project/Mobility/2024-25/M2-026)**

Applications are invited from eligible candidates as **intern** to work on the following project sponsored by IHub Data-IIITH (IIT-H/IHub/Project/Mobility/2024-25/M2-026) under the supervision of Dr. Rahul Kala, Dr. Deepak Kumar Dewangan, Dr. Sandesh Jain, **ABV-IIITM, Gwalior** (an institute of national importance under the Ministry of Education, Govt. of India). The duration of the position is initially for 3 months, extendable upto one year or the duration of the project, whichever is earlier. The details related to the project are as follows:

<b>Project Title</b>	Behavior-Conditioned Safety-Aware Synthetic Scenario Generation for the Indian traffic
<b>About the Project</b>	The aim of this project is to create a dataset of Indian traffic using aerial drone imagery, which will be supplemented by data recording from in-vehicle and stationary on-road cameras. The pixel dataset would be converted into the trajectory dataset and used to learn and predict future traffic. The system would be used to generate novel traffic scenarios to be simulated on a realistic simulator. The data would also be used for safety assessment of the traffic, incorporating vehicle-to-vehicle communication.
<b>Principal Investigator (PI)</b>	Dr. Rahul Kala
<b>Monthly Stipend</b>	Upto Rs. 5,000 subject to submission of monthly progress reports and meeting monthly targets
<b>Essential Qualifications</b>	Candidates should be either pursuing or should have completed B.Tech. in any area related to the project.
<b>Desirable Qualification:</b>	Prior work in either of the following (i) Machine Learning (Object recognition, tracking, prediction, etc.), especially with the creation of custom datasets, (ii) Projects involving state-of-the-art agent-based simulators or design of simulators/games.
<b>Application Deadline</b>	7 <sup>th</sup> March, 2025
<b>Date of Interview</b>	Only shortlisted candidates will be informed by e-mail about the interview date. No TA/DA will be provided for attending the interview. The interview will be scheduled in offline mode.
<b>Number of positions</b>	Seven. The institute reserves the right not to fill up all the positions.

**Application Procedure:**

- Candidates are requested to send their detailed CV, including their academic details with percentage/CGPA, research works/projects, and internship/work experience (if any) to [rkala@iiitm.ac.in](mailto:rkala@iiitm.ac.in) with the subject line as "Application for the internship position in the IHub Data-IIITH sponsored project."
- Only shortlisted candidates will be informed through email for selection process.
- The interview will be conducted in person in offline mode at ABV-IIITM Gwalior. No TA/DA, travel or accommodation support shall be given.

**Notes:**

- 1 For any query regarding the position, please email Dr. Rahul Kala at [rkala@iiitm.ac.in](mailto:rkala@iiitm.ac.in)
- 2 The candidates will be required to meet the investigators physically at least on a weekly basis. Therefore, only candidates stationed at Gwalior shall be considered. The position carries no HRA, hostel, fooding, or any other allowance other than the nominal stipend.
- 3 The duration of the internship is initially for 2 months, extendable upto the remaining duration of the project subject to availability of funds.

**Dr. Rahul Kala (PI)**

Associate Professor, (IT)

ABV-Indian Institute of Information Technology & Management (ABV-IIITM), Gwalior

NH-10, Morena Link Road, Gwalior-474015 (MP) India.

Tel: +91-75210744

email: [rkala@iiitm.ac.in](mailto:rkala@iiitm.ac.in)

