NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR



**(An Institute of National Importance, Ministry of Education, Govt. of India)**

**Great Eastern (G. E.) Road, Raipur - 492010 (Chhattisgarh)**

**Phone No.:** +91-771-254200 **Fax No.:** +91-771-2254600 **Website:** [www.nitrr.ac.in](http://www.nitrr.ac.in/)

**Adv. No.:** NITRR/CSE/2025/499 **Date:** 02-05-2025

**Department of Computer Science & Engineering (CSE)**

# Advertisement for the Post of Junior Research Fellow (JRF) in IIT Mandi iHUB Sponsored Project

Applications are invited from eligible candidates for the position of **Junior Research Fellow (JRF)** on a purely time-bound research project undertaken by the **Department of CSE** under the sponsorship of **IIT Mandi iHUB.**

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| **Title of the Project** | **Path Rakshak (Guardian of the Road) - A System for Enhancing Public Transport Safety with Real-time Ambiance and Driver Monitoring** |
| **Project Investigator(s)** | * **Project Investigator (PI):** **Dr. Karnati Mohan** **(Contact No.: +91-9948281063)** * **Co-Project Investigator (Co-PI):** **Dr. Pradeep Singh** |
| **Name of the Position** | Junior Research Fellow (JRF) |
| **Number of Vacancy** | One (01) Only |
| **Area of Research** | Computer Vision, Deep Learning, Generative Adversarial Networks |
| **Consolidated Fellowship** | ₹ 37,000/- (Per Month) |
| **Funding Agency** | IIT Mandi iHUB and HCI Foundations |
| **Duration of the Project** | Two Years (2 Years) |
| **Nature of Appointment** | The initial appointment is for six months, with a possibility of extension in successive six-month periods, subject to satisfactory performance, until the project concludes**.** |
| **Essential Qualifications** | * **B.E. / B.Tech. & M.E. / M.Tech.** (Computer Science and Engineering / Information Technology) **OR** Equivalent with first class from recognized Institute / University**.**   **OR**   * **B.E. / B.Tech.** (Computer Science and Engineering / Information Technology) / **MCA** / **M.Sc.** (Computer Science and Engineering / Information Technology) **or** Equivalent with first class from recognized Institute / University**.** |
| **Desirable Qualifications** | * Applicant should have the **GATE or CSIR / UGC NET** Qualification**.** * Applicant with the research work in computer vision and deep learning, having experience relevant to the project domain, and research publications support in computer vision domain will be preferred**.** * Applicant should have proficiency in Python (Tensorflow/Keras/Pytorch) Programming**.** |
| **How to Apply Detail** | * Interested applicants may send the **Application** **(Refer to Submission Instruction)** to the **Email-ID:** [kmohan.cse@nitrr.ac.in](mailto:kmohan.cse@nitrr.ac.in) **.** In case of any queries, please contact **PI / Co-PI.** |
| **Submission Deadline** | * The complete application must reach to the specified email-id on or before **23-May-2025.** |
| **Submission Instructions** | * **Complete Application (A Single PDF)** must be sent with a subject, “**Application for the JRF Position in Path Rakshak (Guardian of the Road)**”, else, application may be discarded**.** * **Complete Application** **(A Single PDF)** should contain all requisite **Enclosure(s)** in a given sequence – **1 Application Form and Undertaking** – (Refer to Annexure-1 & Annexure-2), **2 Aadhar Card and Category Certificate, 3 Educational Qualification Certificates**, **4 GATE / CSIR-UGC NET Certificate**, **5 Experience Certificates**, **6 Publications Proof.** |
| **Interview** | * **28-May-2025 (A notification email would be sent to the shortlisted candidates only).** |
| **Other Terms & Conditions** | 1. Only shortlisted candidates will be notified through email to appear for the Interview, and no other communication in this regard will be entertained**.** 2. The position is purely temporary and may be extended in the successive six-month periods, subject to satisfactory performance, until the project concludes**.** 3. Selected candidates shall not be permitted to claim any regular or part-time appointments in this Institute or any other organization during this period**.** 4. Incomplete applications or containing false information will be summarily rejected**.** 5. The candidates must attend the selection process In-person. No TA/DA will be paid for attending the interview**.** |
| **Note: Applicants are strongly advised to read the complete advertisement carefully before submitting their application.** | |

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**Annexure-1 (Application Form)**

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| **1.** | **Name of the Applicant:** |  | | | **Recent Passport Size Photo** |
| **2.** | **Correspondence Address:** |  | | |
| **3.** | **Date of Birth:** |  | **4.** | **Gender:** Male / Female |
| **5.** | **Nationality:** |  | **6.** | **Category:** Gen/OBC/SC/ST |
| **7.** | **Contact No:** |  | | |
| **8.** | **Email-ID:** |  | | | |
| **9.** | **Highest Qualification:** |  | | | |
| **10.** | **Area of Expertise:** |  | | | |
| **11.** | **Work Experience (In Months):** |  | | | |

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| **12**. | **Details of Academic Qualifications (Starting from UG Degree Onward) (Please Attach Self-Attested Certificates)** | | | |
| **Name of the Qualification** | | **Specialization**  **(Branch / Stream)** | **University / Institute**  **Name** | **% Marks**  **/ CGPA** |
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| **13.** | **Details of Relevant Work Experience (Please write in chronological order) [Please Attach Self-Attested Certificates]** | | |
| **Institute / Organization** | | **Designation** | **Duration** |
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| **14.** | **No. of Publications (Journals/Book Chapters/Conferences) [Attach Proof]:** |  |
| **15.** | **Whether GATE / CSIR-UGC NET Qualified [Attach Proof]:** |  |
| **16.** | **Rate your Skills on the following domain specific knowledge [between 1 (min) to 10 (max)]:** | |
|  | **Computer Vision Fundamentals** |  |
|  | **Deep Learning** |  |
|  | **Generative Adversarial Networks** |  |
| **17.** | **Any Other Relevant Information:** | |

**Date:**

**Place: Signature of the Applicant**

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**Annexure-2 (Undertaking)**

I \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ understand that it is a contractual engagement on a purely temporary basis for a project titled “**Path Rakshak (Guardian of the Road) - A System for Enhancing Public Transport Safety with Real-time Ambiance and Driver Monitoring**”. I declare that the information provided in the application form is correct to the best of my knowledge and belief. I understand that action can be taken against me if these are found to be incorrect. I agree to all the general terms and conditions of the public **Advertisement No. NITRR/CSE/2025/499 (Dated 02/05/2025)** of **National Institute of Technology Raipur** for **IIT Mandi iHUB Sponsored Project.**

**Date:**

**Place: Signature of the Applicant**