

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE**  
(Name of Dept./Centre)

Dated: 01-04-2026

**ADVERTISEMENT TO FILL UP PROJECT POSITIONS\***

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal investigator (Name: Ram Sateesh Pasupuleti), Dept./Centre Architecture and Planning, Indian Institute of Technology, Roorkee.

1. Title of project Development of an Integrated Intelligent Disaster Management System for Mountain Communities in India
2. Sponsor of the project: DST P.no: DST-2384-APD-TSAH/25-26
3. Project position(s) and number :
  - a. 01 Junior Research Fellow
  - b. 01 Project Associate-I
  - c. 01 Project Assistant
4. Qualifications

For Junior Research Fellow:

Post Graduate degree in Architecture, Conservation, Landscape or any Spatial Information 'technology related.

The candidate selected through a process described through any one of the following.

- a. National Eligibility 'Tests-CSIR-UGC NET including lectureship (Assistant professorship) and GATE
- b. National level examinations conducted by central government departments and their agencies and institutions

For Project Associate-I:

- a. Post Graduate degree in Architecture, Conservation, landscape or any Spatial information Technology related or degree related to B.Tech (related to Software development) or B Arch / B. Planning from a recognized university. Knowledge and experience of Software applications and development will be desirable.

For Project Assistant: Bachelors/ 3years Diploma in Engineering and Technology; Having experience in Fieldwork in mountain environments, handling drone surveys and CyARK certified training would be desirable.

5. Emoluments:

01 JRF @Rs.37,000/- pm + 10% HRA;

01 Project Associate-I @ Rs.31,000/- pm + 10% HRA for (i)Scholars who are selected through a.

National Eligibility Tests-CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or b.

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National level examinations conducted by central government departments and their agencies and institutions.

(ii)25000/- + HRA for others who do not fall under (i) above.

01 Project Assistant @Rs.20,000/- pm

6. Duration: 3 years (as per funding availability)
7. Job description: The Project titled 'Development of an Integrated Intelligent Disaster Management System for Mountain Communities in India' has been sanctioned by Department of Science and Technology under Technology Development Program. This is a collaborative research project with partnering Institutions from IIT Patna, NIT Suratkal, Amrita University, UPES Dehradun.

The goal of this project is to develop an intelligent responsive system based on a comprehensive knowledge database built on disasters, traditional knowledge of mountain communities, real time monitoring sensors, spatial information systems, and auxiliary sources of data focusing on multi-hazard early warning and management in hilly regions of India. More specifically the objective is to support AI based tools for knowledge extraction and decision making for efficient coordination in disaster management and response.

Hence, the project demands, intense field work in villages of Uttarakhand, and coordination with the community stakeholders, disaster and development agencies for collecting primary and secondary data to under the common framework that is to be commonly agreed by the other partnering institutions. The narratives we collect from villagers about their indigenous knowledge and adaptative capacities, will further needs to be mapped with in the AIL-ML framework that can aid the partnering institutions to further develop an Integrated Intelligent Disaster Management System for Mountain Communities in India.

JRF has to take care of the research component and produce scientific publications. Project Associate -I has to develop an interface with the fieldwork and aid in the Software development and Project Assistant support the overall project requirements, including, professional, administrative and field work.

1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator through email, by post or produce at the time of Interview:
  - Application in a plain paper with detailed CV including chronological discipline of degree/certificates obtained.
  - Experience including research, industrial field and others.
  - Attested copies of degree/certificate and experience certificate.
3. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
4. Preference will be given to SC/ST candidates on equal qualifications and experience.
5. Please note that no TA/DA is admissible for attending the interview.

**Note: The selected candidate may get an opportunity for PhD admission.**

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The last date for application to be submitted to office of Principal Investigator is .....by 5 PM.  
(not applicable for walk in interview)

The interview will be held at Conference Room Department of Architecture and Planning IIT Roorkee on 24<sup>th</sup> April 2026 at 10.30 am (to be given only for walk in interview)

*P. R. Sateesh*

Tel:0091-(0)1332-284874 Fax:

Name and signature

of Principal Investigator: Ram Sateesh Pasupuleti

Email: ram.pasupuleti@ar.iitr.ac.in

\*To be uploaded on IIT Roorkee website and copy may be sent to appropriate addresses by PI for wider circulation.

APPROVED

*[Signature]*

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