

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

Dated: ~~28~~08/2025

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: Prof. R. K. Panigrahi), Dept. of ECE, Indian Institute of Technology, Roorkee.

1. Title of project: Development of an Adaptive AI model for landslide Early Warning using an in-house developed WSN-IoT monitoring system in Darjeeling and Sikkim Himalaya
2. Sponsor of the project: DIA-CoE, IIT Roorkee
3. Project position(s) and number: Project Assistant-One
4. Qualifications: BTech in Electronics/Diploma in Electronics/ITI in Electronics with 4 years of experience
5. Emoluments: 26000+9% HRA
6. Duration: 3 Years
7. Job description:
 - Material procurement for the development of sensor and sensor node hardware.
 - Complete assembling of different components of sensor and nodes, which includes:
 - Soldering of components on sensor or nodes PCB.
 - Different modules of nodes and sensors on their respective PCBs, such as battery controllers, etc., are assembled.
 - Complete integration of LEWS hardware.
 - Waterproofing of each sensor
 - Design and development of robust industrial-grade metal casing for the developed nodes to make it robust in harsh environment conditions.
 - Complete systems documentation/ development of manuals on sensors, nodes, coordinator nodes, servers, etc.
 - Sensors installation at the test site.
 - Calibration of each sensor

APPROVED



Dean

Sponsored Research & Industrial Consultancy
Indian Institute of Technology Roorkee
Roorkee-247 667 (INDIA)


30/08/25


30/8/25

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 walk-in Interview should submit their applications with the following documents to the office of Principal Investigator through email to rajib.panigrahi@ece.iitr.ac.in 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.
3. The candidate shall bring along with them the original certificates and experience certificates for verification at the time of the interview.
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.

The walk-in interview will be held at 4 PM on 11th Sept 2025 at ECE Conference Room, ECE Department, IIT Roorkee.

Tel: 7579467695

**Name and signature
of Principal Investigator**

Email: rajib.panigrahi@ece.iitr.ac.in

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

13/09/2025

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