

**SRIC/06**

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE**  
**Department of Civil Engineering**

Dated: Feb 26, 2024

**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. N.K. Samadhiya)** and **Co-Principal Investigator (Name: Prof. Alok Bhardwaj)**, Department of Civil Engineering, Indian Institute of Technology, Roorkee.

[MRT-2270-CED/23-24]

1. **Title of project:** Development of Guidelines for Instrumentation & Real Time Monitoring of Hill Slopes
2. **Sponsor of the project:** Ministry of Road Transport and Highways, Govt. of India, New Delhi
3. **Project position(s) and number:** Junior Research Fellow (JRF), 01 Position
4. **Qualifications:** B.Tech. in Computer Science/Electronics/Civil Engineering/Earth Sciences and M.Tech. degree in Computer Science/Electronics/Geospatial or Geomatics Engineering with minimum CGPA of 65% in bachelor's and minimum CGPA of 70% in Masters. Candidates with qualified GATE exam and Masters' dissertation in the field of Earth Observation will be given preference. Candidates with the knowledge of slope stability analysis and landslide disaster response will be given preference. Candidates should be well versed with Python Programming, Machine Learning, Deep Learning, Computer Vision. Candidate should be able to manage cloud computing platforms.
5. **Emoluments:** Rs. 37000/- per month
6. **Duration:** 4 years
7. **Job description:** The project will involve assessment of slope instability using earth observation datasets and AI/ML techniques. Further, the project will involve real time slope monitoring using computer vision powered optical systems and its integration with any cloud computing platform. The candidate will undertake research related tasks on the aforementioned topics, prepare reports and presentations, and strive towards publishing the research in reputed research journals.
8. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
9. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator or Co-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.
10. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.

11. Please note that no TA/DA is admissible for attending the interview.

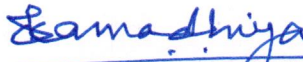
**Note: The selected candidate may get an opportunity for PhD admission**

The last date for application to be submitted to office of Principal Investigator or Co-Principal Investigator is **March 8 by 5 PM.**

The interview will be held on **13<sup>th</sup> March at 10:30 am** onwards online through Webex. Meeting link will be communicated to the candidates fulfilling the qualification norms.

Send your applications to the following email id: [alokbhardwaj.iitr@gmail.com](mailto:alokbhardwaj.iitr@gmail.com)

Tel: +91 9412073058; +91 9389494826

  
(Narendra K Samadhiya) 26/02/2024  
Name and Signature of Principal Investigator


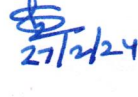
Email: [narendra.samadhiya@ce.iitr.ac.in](mailto:narendra.samadhiya@ce.iitr.ac.in); [alok.bhardwaj@ce.iitr.ac.in](mailto:alok.bhardwaj@ce.iitr.ac.in); [alokbhardwaj.iitr@gmail.com](mailto:alokbhardwaj.iitr@gmail.com)

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

APPROVED

  
27/2/24

डीन (सिक)/(Dean SRIC)  
भा० प्रौ० सं० रुड़की/IIT Roorkee

  
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