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INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
DEPARTMENT OF WATER RESOURCES DEVELOPMENT AND MANAGEMENT

Dated: 8 April, 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: Dr. Kritika Kothari, Assistant Professor, Department of Water Resources Development and Management, Indian Institute of Technology, Roorkee, Roorkee-247 667, Uttarakhand (India), E-mail kritika.kothari@wr.iitr.ac.in

1. Title of project: Synergistic Integration of Multi-Sensor Data for In-Season Monitoring of Major Crops
2. Sponsor of the project: NRSC, Hyderabad
3. Project position(s) and number

Position and Monthly Emoluments	Required Qualifications
Junior Research Fellow, JRF (One) Rs. 37000/pm + HRA as per Institute rules	Qualifications: Master Degree in Water Resources Engineering, Land and Water Resources Engineering, Hydrology, Water Resources Development and Management, Remote Sensing and GIS or M.Tech (*) in relevant discipline with <u>GATE/NET</u> . Desirable Skills: Remote Sensing and GIS. Programming in R, Python, or Matlab. Data collection from agricultural experimental plots. Duties: The JRF will be in charge of procuring and processing satellite data from multiple sensors (multispectral and SAR); collecting ground truth data from agricultural fields; running AI/ML and crop simulation models for crop classification and yield estimation; and writing reports and manuscripts.

4. Qualifications: As above
5. Emoluments: As above
6. Duration: up to January 15, 2028
7. Job description: As above

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.

The interview will be held in the Committee Room of the Dept. of WRD&M on **21st April, 2025 at 3 PM**. Interested candidates should send their CV by email to the principal investigator.

Tel: 01332-285041 (office)
Email: kritika.kothari@wr.iitr.ac.in

Kritika
Dr. Kritika Kothari (Principal Investigator)

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

Approved

[Signature]
डीन (सि.क.)/(Dean SRIC) 21/4/25
भा. प्रौ. सं. रुड़की/IIT Roorkee
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