

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

Dated: Jan 06, 2026

ADVERTISEMENT TO FILL UP PROJECT POSITIONS BY WALK-IN INTERVIEW

Applications are invited from Indian nationals only for project position(s) as per the details given below for the research project(s) under the Principal investigator: Dr. Basant Yadav, Assistant Professor, Department of Water Resources Development and Management, Indian Institute of Technology, Roorkee, Roorkee-247 667, Uttarakhand (India), [E-mail- basant.yadav@wr.iitr.ac.in](mailto:basant.yadav@wr.iitr.ac.in)

- Title of project: Advancing Regional Climate Resilience: AI Monitoring of Lentic Water Bodies for Green House Gas Mitigation
- Sponsor of the project: ANRF, New Delhi
- Project position(s) and number:

Position and Monthly Emoluments	Required Qualifications
Junior Research Fellow (One) Rs. 37000/pm + HRA as per Institute rules	<p>Junior Research Fellow (JRF): M.Sc/M.Tech in Water Resources Engineering, Land and Water Resources Engineering, Chemistry/Chemical Engineering/ Environmental Science, Hydrology, Water Resources Development and Management, Remote Sensing and GIS or M.Tech (*) in relevant discipline with GATE/NET.</p> <p>Desirable Qualifications: Experience in AI/ML, LWB assessment, nutrient degradation, GHG emissions, remote sensing/GIS, and Python/R/MATLAB. Strong knowledge of water chemistry and water treatment. Hands-on lab experience in formulation preparation, stability testing, water quality analysis, and formulation development (cosmetics/personal care, water treatment chemicals, FMCG, nutraceutical/food premixes), with ability to interpret experimental results.</p>

(*) Academic/Field/Research experience and qualification in: Agril. Engg. (Soil and Water Engg)/ Water resources/ Geo-informatics/ Remote sensing/ GIS/ natural resources and allied branches.

- Qualifications: As above
- Emoluments: As above
- Duration: up to 15/05/2027
- Job description: LWB monitoring and assessment, Field investigation of LWBs, Lab experiments, Nutrients and GHG emissions monitoring, Remote sensing data processing and, preparation of reports.

- Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
- 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.
 - Self-attested copies of degree/certificate and experience certificate.
- Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
- Preference will be given to SC/ST candidates on equal qualifications and experience.
- Please note that no TA/DA is admissible for attending the interview.

The interview will be held at the Department of Water Resources Development and Management (WRDM), IIT Roorkee on **January 20 (Tuesday), 2026 at 11:00 Hrs.** (to be given only for walk-in interview)

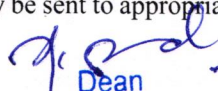

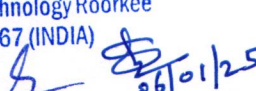
Tel: 01332-284964; 09899286153 (Mob.)

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Dr. Basant Yadav (Principal Investigator)

APPROVED

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


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