



**Indian Institute of Technology (ISM) Dhanbad**  
Office of the Dean (Research & Development)

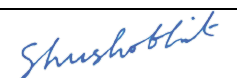
<b>Sanction No and Date:</b> ANRF/IRG/2025/001123/ENS dated 10 March 2026	<b>IIT (ISM) Project No.</b> SRDP 1283 G	<b>Date:</b> 26-06-2026
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**ANRF Junior Research Fellow (ANRF JRF) position under ANRF Project**

Applications are invited under the sponsored project. The details of the project are as under:

<b>Position</b>	ANRF Junior Research Fellow (ANRF JRF)
<b>Number of Position</b>	01 (One)
<b>Title of the Project</b>	A Novel Machine Learning-Driven Real-Time Flash Flood Forecasting Framework Using 3D Storm Bias-Corrected and Downscaled Satellite-Based Precipitation Estimates
<b>Principal Investigator</b>	Prof. Shushobhit Chaudhary, Civil Engineering Department, IIT (ISM), Dhanbad, Jharkhand, India. Email: <a href="mailto:shushobhit@iitism.ac.in">shushobhit@iitism.ac.in</a>
<b>Tenure of Project</b>	The position is temporary and will last for <b>three years</b> or until the project ends. <b>The selected candidate may be considered for Ph.D. enrollment</b> , subject to fulfilling the admission criteria of IIT (ISM), Dhanbad.
<b>Job Description (in Maximum of 100 words)</b>	The candidate will focus on enhancing rainfall and flood forecasting over India by analyzing satellite-based rainfall dataset. The work includes developing bias correction & downscaling methods for improved precipitation estimates & using hydrological models to simulate flood responses for more accurate forecasting.
<b>Essential Qualification</b>	Candidates must satisfy all three of the following criteria: <ul style="list-style-type: none"><li>• <b>M.Tech.</b> in Water Resources Engineering/ Hydraulic Engineering/ Hydrology/Environment Engineering/ Geoinformatics/ Remote Sensing &amp; GIS/ Civil Engineering/ Earth Sciences or equivalent specializations.</li><li>• Candidate <b>must be GATE/NET qualified.</b></li><li>• <b>B.Tech. in Civil Engineering/Agricultural Engineering &amp; Technology.</b></li></ul> Note: <i>Candidates awaiting their M.Tech. degree results are eligible to apply.</i>
<b>Desirable Qualification</b>	Exposure to hydrological modelling &/or large-scale climate and remote sensing datasets &/or proficiency in MATLAB, Python, or R.
<b>Age &amp; Relaxation (if any)</b>	The upper age limit is 28 years at the time of application (Age relaxation for SC/ST/OBC/PWD/Female candidate as per GoI rule).
<b>Fellowship</b>	₹ 37000/- p.m. + 20% HRA for first two years ₹ 42000 /- p.m.+ 20% HRA for third year HRA can be admissible in lieu of non-availability of hostel accommodation.
<b>Last Date &amp; Time</b>	<b>July 10, 2026, at 5:30 PM</b>
<b>Application Procedure</b>	Eligible candidates must complete both of the following steps: <ul style="list-style-type: none"><li>• Apply through the Google Form: <a href="https://forms.gle/3Rd7vrh95DoHxCFC6">https://forms.gle/3Rd7vrh95DoHxCFC6</a></li><li>• Email their detailed CV, marksheets, certificates, age proof, and GATE score card in a single PDF file to <a href="mailto:shushobhit@iitism.ac.in">shushobhit@iitism.ac.in</a>. Candidates should write "Application for JRF position" in the subject of the email.</li></ul>

Shortlisted candidates will be informed on the date of the interview. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be short-listed based on their merit and as per the requirements of the project. All candidates should make their own arrangements for their stay at Dhanbad, if required. No TA/DA will be paid to attend the interview. Interviews may be conducted in online mode or in-person (physical) mode.

  
Signature of PI