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

Sanction No and Date:	**IIT (ISM) Project No.**	**Date**:
ANRF/IRG/2025/001123/ENS dated 10 March 2026	SRDP 1283 G	09-04-2026

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:

Position	ANRF Junior Research Fellow (ANRF JRF)
Number of Position	01 (One)
Title of the Project	A Novel Machine Learning-Driven Real-Time Flash Flood Forecasting Framework Using 3D Storm Bias-Corrected and Downscaled Satellite-Based Precipitation Estimates
Principal Investigator	Prof. Shushobhit Chaudhary, Civil Engineering Department, IIT (ISM), Dhanbad, Jharkhand, India. Email: shushobhit@iitism.ac.in
Tenure of Project	The position is temporary and will last for **three years** or until the project ends. **The selected candidate may be considered for Ph.D. enrollment**, subject to fulfilling the admission criteria of IIT (ISM), Dhanbad.
Job Description (in Maximum of 100 words)	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.
Essential Qualification	Candidates must have: • M.Tech. in Water Resources Engineering/ Hydraulic Engineering/ Hydrology/Environment Engineering/ Geoinformatics/ Remote Sensing & GIS/ Civil Engineering/ Earth Sciences or equivalent specializations. • Candidate must be GATE/NET qualified. • B.Tech. in Civil Engineering/Agricultural Engineering & Technology. Note: **Candidates awaiting their M.Tech. degree results are eligible to apply.**
Desirable Qualification	Exposure to hydrological modelling &/or large-scale climate and remote sensing datasets &/or proficiency in MATLAB, Python, or R.
Age and Relaxation (if any)	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).
Fellowship	₹ 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.
Last Date & Time	**May 8, 2026 at 5:30 PM**
Application Procedure	Interested Candidates are advised to email their detailed CV, marksheets, certificates, age proof, and GATE score card by E-mail to **shushobhit@iitism.ac.in** on or before **May 8, 2026 at 5:30 PM.** Candidates should write "Application for JRF position" in the subject of the email**.**
Shortlisted candidates will be informed on the date of 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 requirement 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. Interview may be conducted online mode or in-person (physical) mode.	

Shushobhit

Signature of PI