



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

Sanction No and Date: EE-55 dated 31/03/2026	IIT (ISM) Project No. SRDP1300I	Date: 27-04-2026
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Applications are invited under the Coal India sponsored project. The details of the project are as under:

Position	Coal India S&T Junior Research Fellow
Number of Position	02 (Two) [1 UR and 1 SC/ST]
Title of the Project	Near-Time Flash Flood Forecasting in Mining-Affected Catchments: Integrating Hydrological Models, Altered Topography & Weather Data
Principal Investigator	Prof. Vittal Hari, Environmental Science and Engineering Department, IIT (ISM), Dhanbad, Jharkhand, India. Email: vittal@iitism.ac.in
Co-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 2.5 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 and their performance during the project tenure.
Job Description (in Maximum of 100 words)	The candidate will focus on developing flood model over the mining intensive region of Jharkhand. Selected candidates will do field work, collect the data, develop a DEM and eventually the flood model using MIKE software.
Essential Qualification	Candidates must have: <ul style="list-style-type: none">• M.Tech in Water Resources Engineering/ Hydraulic Engineering/ Hydrology/Environment Engineering/ Geoinformatics/ Remote Sensing & GIS/ Civil Engineering/ Earth Sciences or equivalent specializations.• Msc in Environmental Science and Atmospheric Science• Candidate must be GATE/NET qualified. 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. + HRA for first two years ₹ 42000 /- p.m.+ HRA for third year HRA can be admissible in lieu of non-availability of hostel accommodation.
Last Date & Time	May 15, 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 vittal@iitism.ac.in on or before May 15, 2026 at 5:30 PM . Candidates should write "Application for JRF position" in the subject of the email.



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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.

VIA-*

Signature of PI