



Indian Institute of Technology (Indian School of Mines), Dhanbad
The Office of Dean, Research & Development

Sanction No and Date: PSF-IH-3Y-TD-043 dated 20.03.2025	IIT (ISM) Project No. SRDP 11771	Date: 30.03.2025
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“Junior Research Fellow (JRF) position” under TEXMiN Sponsored R&D Project

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

Position	Junior Research Fellow (JRF)
Number of Position (s)	01 no.
Title of The Project	Advanced AI-Driven Cyber-Physical Systems (CPS) for Sustainable Water Management and Treatment in Coalbed Methane Operations in India.
Name and address of contact person	Dr. Patitapaban Sahu , PI & Associate Professor, Department of Mining Engineering, IIT (ISM), Dhanbad - 826 004, Jharkhand, Email: patitapaban@iitism.ac.in, Phone: +91-8987419603
Tenure of Project	Two years with effect from March 20, 2025, or till the end of the project, whichever is earlier
Job Description (in maximum of 100 words)	The position is purely temporary and co-terminus with the project. The candidate will carry out the project related experiments, modelling studies, analyze the results and prepare project report.
Essential Qualification	B.Tech/B.E./M.Tech/M.E./Ph.D. in Mining Engineering/ Petroleum Engineering/ Chemical Engineering/Environmental Science and Engineering/Computer Science Engineering/M. Sc. Tech/M. Tech. in Applied Geology with first class and valid GATE/NET score.
Desirable Qualification	Candidates with excellent academic background and working experience in the relevant fields with good AI/ML skill will be preferred.
Age and Relaxation (if any)	The upper age limit is 30 years at the time of interview (Age relaxation for SC/ST/OBC/PH candidates as per GOI rules)
Fellowship	Rs. 37,000/- per month (consolidated)
Last Date and Time	20.04.2025 & 6.00 PM

- **How to apply:** Interested candidates may send their applications with self-attested copies of all degree certificates (from class 10th onwards) through email to the Principal Investigator (**patitapaban@iitism.ac.in**). Eligible and shortlisted candidates will be notified for an interview through email. The interview will be held through offline mode.
- Eligible and shortlisted candidates are required to submit the bio-data enclosed with relevant supporting documents regarding age, qualification, experience etc. at the time of interview. They are also required to bring original certificates and supporting documents for verification at the time of interview.
- Mere fulfillment of the minimum qualification does not guarantee for the interview.
- Candidates will be short listed based on their merit and as per the requirement of the project.
- Candidates have to make their own arrangements for their stay at Dhanbad, if required.
- No TA/DA will be paid to attend the interview.
- The selected candidates will have to join in the project within 7 days of receipt of the appointment letter.


(Principal Investigator)