



Indian Institute of Technology (ISM) Dhanbad

Office of the Dean (Research & Development)

Sanction No and Date: PSF-IH-4Y-TD-080 dated 13 November 2025

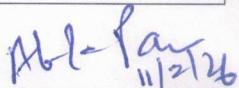
**IIT (ISM) Project No.
SRDP 1244 G**

Date: 11-02-2026

Project Associate - I position under TEXMIN Sponsored Project

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

Position	Project Associate - I
Number of Position (s)	01 (One)
Title of The Project	<i>Bilingual (English and Hindi) LLM Framework for Real-Time Interpretation of Tailing Dam Break Simulations for Improved Emergency Planning and Decision Support</i>
Principal Investigator	Abhishek Kumar Pandey, Department of Civil Engineering
Tenure of Project	02 years or till the end of the project, whichever is earlier
Job Description (in Maximum of 100 words)	The Project Associate - I will assist in literature review and conduct physical laboratory experiments and CFD simulations using open-source software on tailings dam break scenarios. The role will also involve LLM prompt engineering, interpretation of model outputs, code and text generation, and support in interface development, testing, and documentation.
Essential Qualification	<ul style="list-style-type: none">• B. Tech./B. E. in Civil Engineering/Agricultural Engineering and Technology.• M. Tech. in Civil Engineering/Water Resources Engineering/River Engineering/Hydraulic Engineering/Earth Sciences/Disaster Mitigation and Management/ Agricultural Engineering and Technology or equivalent specializations.
Desirable Qualification	Expertise in running Open-source CFD Software. Basic knowledge in ML/DL will be an added advantage.
Age and Relaxation (if any)	The upper age limit is 28 years at the time of appointment (Age relaxation for SC/ST/OBC/PH/Female candidate as per GOI rules)
Fellowship	37000 INR per month for GATE/NET Qualified. 30, 000 INR per month will be given without GATE/NET Qualification
Last Date & Time	March 8 th , 2026, 11:59 PM
Application Procedures	Interested and eligible candidate are requested to email their CV, Marksheets and certificates, experience certificate (if any) in a zipped file to akpandey@iitism.ac.in by last date and time.


(Signature of PI)

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.

16-10-11/2/26
(Signature of PI)