



**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	<b>IIT (ISM) Project No.</b> <b>SRDP 1244 G</b>	Date: 05-06-2026
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**JRF position under TEXMIN Sponsored Project**

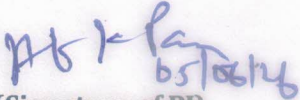
Applications are invited under the sponsored project. The details of the project are as under:

<b>Position</b>	Research Associate -I
<b>Number of Position (s)</b>	01 (One)
<b>Title of The Project</b>	<i>Bilingual (English and Hindi) LLM Framework for Real-Time Interpretation of Tailing Dam Break Simulations for Improved Emergency Planning and Decision Support</i>
<b>Principal Investigator</b>	Abhishek Kumar Pandey, Department of Civil Engineering
<b>Tenure of Project</b>	<ul style="list-style-type: none"><li>Initial tenure will be of 12 months. Upon completion of 12 months, the tenure may be extended by 03 months based on the academic performance of the candidate.</li><li>Position is co-terminus with the project</li></ul>
<b>Job Description (in maximum of 100 words)</b>	The RA-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.
<b>Essential Qualification</b>	<ul style="list-style-type: none"><li>PhD or equivalent degree or having 3 years of research, teaching and design and development experience after M.Tech in Civil Engineering / Water Resources Engineering/River Engineering/Hydraulic Engineering/Earth Sciences/Disaster Mitigation and Management/ Agricultural Engineering and Technology/Mechanical Engineering with at least one research paper in Science Citation Indexed (SCI/SCIE) journal.</li></ul>
<b>Desirable Qualification</b>	Expertise in running CFD Software. Basic knowledge in ML/DL will be an added advantage.
<b>Age and Relaxation (if any)</b>	The upper age limit is 35 years at the time of appointment (Age relaxation for SC/ST/OBC/PH/Female candidate as per GOI rules)
<b>Fellowship</b>	58000 INR per month.
<b>Last Date &amp; Time</b>	18 <sup>th</sup> June, 5 PM
<b>Application Procedures</b>	Interested and eligible candidate are requested to email their CV, Marksheets and certificates, experience certificate (if any) in a zipped file to <a href="mailto:akpandey@iitism.ac.in">akpandey@iitism.ac.in</a> by last date and time with subject line <b>Texmin RA application</b> .

(Signature of PI)

*Abhishek Kumar Pandey*  
05/06/26

Shortlisted candidates will be informed about 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.

  
(Signature of PI)