Indian Institute of Technology (Indian School of Mines) Dhanbad

Office of the Dean (Research & Development)

Sanction No. PSF-IH-4Y-TD-095 (TEXMiN) or DAR/27/2026-27 (IIT ISM Dhanbad) **Date:** 14-10-2026 (TEXMiN) or 29-10-2026 (IIT ISM Dhanbad)	**IIT (ISM) Project No.** SRDP 1416 G	**Date:** 18-11-2026

Project Staff (Project Associate) position under Technology Innovation in Exploration & Mining Foundation (TEXMiN) Project

Applications are invited from eligible candidates for the following position under the sponsored research project. The details of the project and the position are given below:

Position	Project Associate - I
Number of Position (s)	One (01)
Title of The Project	*Development of Virtual Reality Mine Simulator for training miners to improve safety and productivity in Indian underground metal mines*
Principal Investigator (PI)	Dr. Ashok Kumar, Assistant Professor, Department of Mining Engineering, Indian Institute of Technology (Indian School of Mines) Dhanbad, Dhanbad – 826004, Jharkhand Email: ashokmin@iitism.ac.in Mobile No. +91 8603401161
Tenure of Project	14-10-2026 to 30-11-2027
Job Description (in maximum of 100 words)	The selected project staff will conduct field scanning of various underground metal mining methods, mine environments, and mechanized underground mining equipment, requiring approximately 45 days of field work for data collection. Additionally, the candidate will develop Standard Operating Procedures (SOPs) along with safety and training modules for a Virtual Reality (VR) mine simulator tailored to underground metal mines. The role also involves executing training simulations, performing data analysis, preparing technical reports, drafting research papers, and filing patents related to the project.
Essential Qualification	• B.Tech./B.E./M.Tech./M.E. in Mining Engineering or Computer Science & Engineering or Geoinformatics or Geomatics Engineering or Industrial & Safety Engineering or Related Branches • Candidate must be GATE qualified
Desirable Qualification	• Knowledge of underground metal mining method and familiarity with mechanized metal mining equipment and safety regulations (Metalliferous Mines Regulations 1961). • Hands-on experience with 3D laser scanning / LiDAR, point-cloud processing, CAD/3D modeling, or Virtual Reality (VR) simulation tools (e.g., Unity/Unreal Engine). • Strong technical writing skills evidenced by research publications or technical reports.
Age and Relaxation (if any)	The upper age limit is 30 years as on the closing date of application. Age relaxation for SC/ST/OBC/PwD/Female candidates will be applicable as per Government of India rules.
Fellowship	• ₹37,000/- + HRA (@20% per month **Note:** Campus accommodation may be provided subject to availability, in which case HRA will not be paid.
Last Date & Time	04-12-2026 up to 06:00 PM
Application Procedure	Interested candidates are requested to submit their application via email, **attaching a single consolidated PDF file** (or providing a downloadable link) containing the following documents: • Detailed Curriculum Vitae (CV) • Scanned copies of educational certificates and mark sheets (10th standard onwards) • Proof of age • Valid GATE Scorecard • Relevant experience certificates, if any The application should be sent via email to: **ashokmin@iitism.ac.in** with the subject line mentioning: **"Application for Project Staff Position under Project SRDP 1416 G"**

Shortlisted candidates will be informed regarding the schedule of the offline interview through email. Mere possession of the minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and suitability as per the requirements of the project. Candidates appearing for the interview will have to make their own arrangements for travel and stay at Dhanbad, if required. The candidates are requested to bring all the original certificates and supporting documents and submit one set of photocopies of the original documents duly self-attested at the time of interview. No TA/DA will be provided for attending the interview. The position is purely temporary and co-terminus with the project. Based on satisfactory performance in the project, the selected candidate may be considered for enrolment into the Ph.D. programme of IIT (ISM) Dhanbad, subject to fulfilment of the Institute's Ph.D. admission criteria.

Ashok Kumar
18-11-2026

(Signature of Principal Investigator)