

Indian Institute of Technology (ISM) Dhanbad Office of the Dean (Research & Development)	
Sanction No and Date:	CIL/CP/2024/2481;07.06.2024
IIT (ISM) Project No.	CIL(COE)/2024-25/06/TEXMiN

Senior Technical Executive (AR/VR) position under (IMiN CoE) Project

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

Position	Senior Technical Executive (AR/VR)
Number of Position(s)	01 (one)
Title of The Project	IMiN-Centre of Excellence for Mining 4.0 at TEXMiN at IIT (ISM) Dhanbad
Principal Investigator	Prof. Dheeraj Kumar
Tenure of Project & Duration of Position	Project duration is 3 years (may be reduced/extended as applicable). The position is initially for one year and renewed annually based on satisfactory performance.
Job Description	<ul style="list-style-type: none"> - Provide technical and research support in mining innovation projects, focusing on immersive VR/AR simulation, blasting techniques, and digital mining infrastructure. - Manage, operate, and maintain mining simulator systems; support simulator-based training programs for students, researchers, and industry professionals. - Assist in regular maintenance, updates, troubleshooting, and technical support for all training and research mining simulators. - Contribute to development, content creation, and testing for virtual mine safety and productivity solutions - Engage in field data collection, analysis, and reporting for mining, blasting, mining engineering projects. - Support quality assurance/quality control processes in experimental or field settings. - Assist researchers in project execution, documentation, training modules, and workshops related to mining technology. - Apply practical experience in mining operations to support development and deployment of Mining 4.0 technologies. - Perform any additional technical duties as assigned for the success of the Centre's projects.
Essential Qualification	<p>First Class BE/B.Tech with minimum 3 years of experience in Mining/Civil/Computer Science Engineering or related discipline from a recognized Institute.</p> <p style="text-align: center;">or</p> <p>ME/M.Tech with minimum 2 years of experience in Mining/Civil/Computer Science Engineering or related discipline from a recognized from a recognized Institute.</p>

	Preference will be given to the candidates having experience in Immersive AR/VR, Mining Simulator related Technologies in Mining and Earth Science Domain.
Desirable Experience	<ul style="list-style-type: none"> - Experience in technical with research support roles within mining engineering, blasting operations, immersive simulation such as Virtual Mine, Mine Theatre, AR/VR or similar environment. - Experience with field data collection, report writing, and use of simulation/laboratory equipment. - Familiarity with software like MS Office, Rocscience, Split-Desktop, LS-Dyna and other Mine Simulator Software etc. - Experience working in multidisciplinary teams and assisting with project documentation and training delivery.
Age and Relaxation (if any)	Preferably less than 40 years (relaxation as per institute/project norms).
Fellowship/Salary	Consolidated pay of Rs. 40,000/- to 50,000/- per month with 3-10% increment based on the performance.
Last Date	07.05.2026
	<ul style="list-style-type: none"> • Prospective candidates are required to send a copy of their updates CV along with enclosing copies of the relevant supporting documents regarding age, essential qualification, experience, desirable profile etc. through email imin.coe@iitism.ac in with subject line “Application for the position of Senior Technical Executive (AR/VR) within the due date. • The shortlisted candidates will be informed through emails for attending the interview. No TA/DA will be provided for attending the interview; candidates must arrange their own accommodation if required. • The selected candidate will be required to bring the original certificates and supporting documents for verification at the time of joining. • The post is purely temporary and co-terminus with the completion of the tenure of the candidate, however continuation of the person in IMiN-CoE Project subjected to his/her satisfactory performance. • For further details candidates may contact through email: imin.coe@iitism.ac.in