



## Indian Institute of Technology (ISM) Dhanbad

### Office of the Dean (Research & Development)

Sanction No and Date: WIN-CoE, **IIT (ISM) Project No. SRDP 1257 I** Date: 09.01.2026  
01/01/2026

#### Project Staff (JRF) position under (WIN-CoE) Project

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

<b>Position</b>	Junior Research Fellow
<b>Number of Position (s)</b>	01
<b>Title of The Project</b>	AI-Driven Digital Twins for Proactive Failure Prediction in Mining Assets
<b>Principal Investigator</b>	Prof. Amgoth Tarachand Associate Professor Department of Computer Science & Engineering IIT ISM Dhanbad
<b>Tenure of Project</b>	<b>TWO Years (The candidate will be allowed for PhD enrolment as per the institute rules)</b>
<b>Job Description (in maximum of 100 words)</b>	Design of AI/ML models and IoT ecosystem for mining assets like dump trucks, conveyor belts etc.
<b>Essential Qualification</b>	B. Tech in CSE/Electronics OR/AND M. Tech in CSE/Electronic with first class minimum 60% (Industrial experience will be given preference) valid GATE/NET Score in CSE or allied areas.
<b>Desirable Qualification</b>	The candidate have basic knowledge in Artificial Intelligence/ Machine Learning, 3D Modelling software, and Cloud computing. Programming skills in Python
<b>Age and Relaxation (if any)</b>	35 years at the time of appointment. A relaxation in the upper age limit will be given to SC/ST/OBC (Non-creamy layer)/PH candidates as per GOI rule.
<b>Fellowship</b>	<b>Rs. 37, 000/- for 1<sup>st</sup> Year and 2<sup>nd</sup> Year</b>
<b>Last Date &amp; Time</b>	<b>17 February 2026.</b> Interested candidate forward their CV to the principal Investigator Prof. Tarachand Amgoth vis email: <b>tarachand@iitism.ac.in</b>
Shortlisted candidates will be informed on the date of interview (ONLINE). 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.	

**(Prof. Amgoth Tarachand)**