



Indian Institute of Technology (ISM) Dhanbad Office of the Dean (Research & Development)

Sanction No and Date: DAR/27/2026-27 08-09-2026	IIT (ISM) Project No. SRDP 1405 G	Date 05-10-2026
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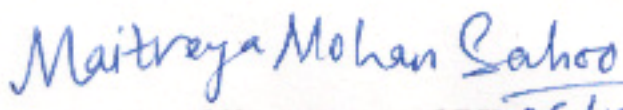
Project Staff (JRF/SRF/RA/Project Assistant/Project Associate) position under TEXMiN Project

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

Position	JRF
Number of Position (s)	1
Title of The Project	A remotely sensed spectral framework for geological samples: Bridging spectral variability and multi-scale integration for mining and mineral industry applications
Principal Investigator	Prof. Maitreya Mohan Sahoo
Tenure of Project	Upto 30 November 2027
Job Description (in maximum of 100 words)	The project aims to develop an integrated, standardized spectral framework and repository constituting diverse mineral and rock spectra into a consistent, quality controlled, and industry-ready resource. After acquiring an extensive volume of spectral data of rocks and minerals in controlled laboratory conditions followed by geochemical analyses, the project would address spectral variability among geological samples due to their composition, texture, grain size, moisture content, alteration and weathering. Spectral data from field-acquired, airborne and spaceborne remote sensing scales would further be integrated for cross-sensor calibration and spectral resampling.
Essential Qualification	B.E/ B.Tech / M.E / M.Tech in Mining Engineering / Geoinformatics / Related Branches with GATE/NET qualification OR

Maitreya Mohan Sahoo
05/10/2026

	M. Sc. / M. Sc. Tech / M.E/ M. Tech in Earth Sciences / Geology / Applied Geology/ Geoinformatics / Remote Sensing and GIS / Geosciences / Related Branches with GATE/NET qualification Note: Exceptional candidates from reputed institutions will be preferred
Desirable Qualification	Preferable experience or exposure to remote sensing, spectroradiometry, geochemical analyses, machine learning, computer programming
Age and Relaxation (if any)	As per GoI rules
Fellowship	Consolidated fellowship of Rs. 37000/- pm
Last Date & Time	19-10-2026; 5:59 pm
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.	


 (Signature of PI) 05/10/2026