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

Sanction No and Date: PSF-IH-5Y-TD-005, 09th September 2026	**IIT (ISM) Project No.** SRDP1422G	Date: 19/11/2026

Project Staff (JRF/SRF/RA/Project Assistant/Project Associate) position under TexMiN Foundation

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

Position	Junior Research Fellow (JRF)
Number of Position (s)	01
Title of The Project	Development of a 3D-Printed Microfluidic Device Coupled with Quantum Dot for Colorimetric on-site Detection of Critical Minerals.
Principal Investigator	Dr. Sumanta Kumar Sahu, Associate Professor, Department of Chemistry and Chemical Biology, IIT(ISM) Dhanbad
Tenure of Project	Twelve Months, or until the completion of the project, whichever comes earlier. (*The position may be converted into a regular JRF of the institute at any point, subject to the IIT(ISM) rule)*
Job Description (in maximum 100 words)	The job requires a basic academic background of candidates in chemistry, Physics, materials Science, or nano material field. The candidate should possess fundamental knowledge of chemical processes, sample preparation, and handling of laboratory apparatus and analytical instruments. Basic experience in the synthesis, processing, and characterization of materials using techniques such as UV-Vis, FTIR, XRD, SEM, and other relevant analytical tools is desirable. The candidate should have the ability to perform experiments, collect and interpret experimental data, and conduct scientific data analysis.
Essential Qualification	• M.Sc or M. Tech in Chemistry/Physics/Materials Science/ Environmental Science/Nnaotechnology • The candidates must have qualified GATE/CSIR-UGC NET examination.
Desirable Qualification	Experience in synthesis of nanoparticles and their characterizations.
Age and Relaxation (if any)	As per the norms of the Govt. of India
Fellowship	Rs. 37,000/-+HRA (as applicable) per month
Last Date & Time	• Interested candidates should mail a single PDF containing (i) CV (ii) GATE/NET score card (iii) self-attested copies of all mark sheets and certificates from class 10th (iv) proof of work experience (if any) to PI sksahu@iitism.ac.in by 6th December 2026. • Candidate should write **"Application for the position of JRF under TEXMiN Project SRDP 1422G"** in the subject of the email.

Shortlisted candidates will be informed on the date of interview. Mere possession of the minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per the requirements 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.