



Indian Institute of Technology (Indian School of Mines), Dhanbad
The Office of Dean, Research & Development

Sanction No and Date:	IIT (ISM) Project No. CRF Revenue Generated Fund	Date: 19.5.2025
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Senior Project Associate under Institute Project

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

Position	Senior Project Associate
Number of Position (s)	One (01)
Title of The Project	Senior Project Associate for operation of ceramic and metal 3D printing instruments
Principal Investigator	FIC-3D Printing, CRF
Tenure of Project	Initially engagement for one year which can be extended maximum three years after evaluation of performance
Job Description (in maximum of 100 words)	Needs to lead advanced research in Additive Manufacturing of titanium and stainless-steel alloys. The candidate will be responsible for independently operating, maintaining, and optimizing a Laser Powder Bed Fusion (LPBF) based Metal 3D Printer. Key responsibilities include process parameter development, part fabrication, post-processing operations, and quality assessment. The role also involves supporting collaborative R&D projects, publishing research outcomes, and ensuring smooth laboratory operations. Prior hands-on experience with metal 3D printing and alloy processing is essential. A strong background in materials engineering or mechanical engineering is preferred.
PhD Enrolment	NA
Essential Qualification	(i) Master's degree in mechanical/production engineering or bachelor's degree in mechanical/production engineering from a recognized university or equivalent (ii) Four Years' experience in research and development in industrial and academic institutions or science and technology organizations and scientific activities and services. OR (i) Doctoral Degree in Mechanical/Production Engineering/Materials Engineering from a recognized university or equivalent.
Desirable Qualification	<ul style="list-style-type: none">• Hands-on experience in operating LPBF-based metal 3D printers• Knowledge of process parameter optimization for important engineering metals like titanium, Inconel and stainless-steel alloys• Experience in microstructural characterization and mechanical testing of printed parts• Familiarity with CAD, slicing software, and data acquisition tools• Strong publication record in relevant areas is an added advantage
Age and Relaxation (if any)	Upper age limit 40 years (This is for UR candidates. For SC/ST/OBC and Women candidates, age relaxation will be applicable as per GoI rules.)
Fellowship/Remuneration	₹42,000/- per month (consolidated). If engagement extended beyond one year, 5% increment will be given on the consolidated remuneration for each completed year + HRA as per rule
Last Date & Time	02.6.2025 by 12 Noon

Candidates can send their application through e-mail to: amitraidixit@iitism.ac.in (with a cc to hod_crf@iitism.ac.in). Shortlisted candidates will be informed of the date of the 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 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.