Office of the Dean Research and Consultancy
Indian Institute of Engineering Science & Technology (IIEST), Shibpur
Howrah-711 103

Project on: ***"Design development and multi-scale materials modeling of high entropy alloy based multifunctional composites through additive manufacturing"***

under the PAIR Network titled "An Eight Institution Partnership for Advancing Materials Research and Development: From Fundamental Design to Emerging Applications in Structural, Functional and Biomaterials Spaces"

[Sponsoring Authority: ANRF, Govt. of India]

Department of Metallurgy and Materials Engineering
Indian Institute of Engineering Science & Technology (IIEST), Shibpur
Howrah-711 103

Ref: Advt. No. CH 1883., dated 20.11.2025

[Institute Project Code: DRC/ANRF-PAIR (4211)/CHEM/PB/010/25-26]

Interested candidates are requested to appear for walk in interview on 28.11.2025 at 11:00 AM, for the following post in the Department of Metallurgy and Materials Engineering, **Indian Institute of Engineering Science & Technology (IIEST), Shibpur, Howrah-711 103.**

Name of the post: Senior Project Associate
No of post – One (01)

Essential Qualification: • M. E./M. Tech. in Metallurgy, Metallurgical Engineering, Materials Engineering, Materials Science, Mechanical Engineering, Applied Mechanics, Aerospace Engineering, Ceramics Engineering, or allied discipline from a recognized university/institute or M.Sc. in Physics/Chemistry/Materials Science/ Mathematics and Two years' experience in R&D in industrial and academic institutions or S&T organizations and scientific activities and services.
OR
Ph.D. in Metallurgy, Metallurgical Engineering, Materials Engineering, Materials Science, Mechanical Engineering, Applied Mechanics, Aerospace Engineering, Ceramics Engineering, or allied discipline.

Desirable Qualification:

i. Working knowledge and hands-on experience in High entropy alloys, Molecular Dynamics simulations, Computational materials design, Thermo-Calc software, COMSOL Multiphysics, LAMMPS simulation platform.
ii. Experience in computational modelling, materials thermodynamics, and simulation-based materials design will be an added advantage.
iii. Capability to supervise project staff and coordinate multi-institutional or industrial collaborations
iv. Experience in proposal writing, documentation, and instrumentation maintenance is advantageous
v. Leadership skills and ability to deliver project milestones independently. Strong commitment toward achieving post-doctoral deliverables (publications, patents, technology outputs) as per ANRF guidelines.

Fellowship: Fellowship: ₹ 57,000/ - per month + HRA (@30%)

Age Limit: Maximum 50 years
Duration of the Project: Five years from the date of commencement or till the project continues whichever is earlier

Interested eligible candidates should mail soft copies of the application letter in plain paper, recent bio-data, mark sheets and certificates. All documents should be self-attested. Physical documents will be verified at the time of joining. The selection will be canceled if any discrepancies are found in the documents at the time of physical verification.

Venue and Date of the interview: Office of the Dean (R&C), IIEST, Shibpur on 28.11.2025 at 11:00 AM

Note:

1. Soft copies of the application letter, bio-data, marksheets and certificates should be sent through e-mail in advance by November 27, 2025 at 5:00 pm to: **Dr.** Manojit Ghosh (PI), (**E-mail: mghosh@metal.iiests.ac.in / mghosh.metal@faculty.iiests.ac.in**).
2. All applications must mention a valid e-mail id and phone number for communicating date of interview.
3. Short listing may be done before the interview.

Dean (R & C)

Dean Research and Consultancy
Indian Institute of Engineering Science and Technology
Shibpur, Howrah-711 103, West Bengal, India

(W. Code DRC-018/25-26)