



THAPAR INSTITUTE
OF ENGINEERING & TECHNOLOGY
(Deemed to be University)

THAPAR INSTITUTE OF ENGINEERING AND TECHNOLOGY
PATIALA, PUNJAB-147004, INDIA

5th June 2026

Ref: coeam/2026/HLB/adv-1

Advertisement for Junior Research Fellow (JRF) / Post Doctorate Fellow Position

Applications are invited from highly motivated and eligible candidates for **Junior Research Fellow (JRF) / Post Doctorate position** in the **TIET-TAU Centre of Excellence in Advanced Manufacturing (CoE-AM)** sponsored project, titled “*Experimental and Computational Study on the Tribo-Mechanical Performance of Defect-Engineered AM-Fabricated FGMs for Extreme Environments*”. This multidisciplinary project will be carried out in **collaboration with the University of Southampton, UK.**

Details of the position (s):

Junior Research Fellow (JRF) Number of Positions: 02	Essential qualifications: <ul style="list-style-type: none">B.E./B.Tech/M.E/M.Tech. in Mechanical/Design/CAD/CAM/ Metallurgy / Production / Manufacturing Engineering or M.Sc. in Physics/ Materials Science or equivalent with at least 60% in aggregate or equivalent C.G.P.A. Emoluments: <ul style="list-style-type: none">With valid GATE/NET qualification: ₹45000/- p.m.Without valid GATE/NET qualification: ₹30000/- p.m.
or	
Post Doctorate Fellow (PDF) Number of Positions: 01	Essential qualifications: <ul style="list-style-type: none">PhD (awarded) in Mechanical / Metallurgy / Production / Manufacturing Engineering / Physics/ Materials Science or equivalent. Emoluments: ₹60000/- p.m.

Desirable skills and knowledge: The candidate should possess a good knowledge of additive manufacturing processes, surface engineering, materials science, designing and conducting experimental work, exposure to CAD/CAE/ material modelling software.

Tenure of the appointment: Appointment shall be made on contract basis, *initially till 31/05/2027*, which may be extended further *by another one year*, depending on the satisfactory performance.

Job Responsibilities: The appointment is for a time bound project and the candidate is essentially required to work for successful execution of the project objectives and completion of the project.

The selected candidate will

1. conduct research in the field of Tribology, Defect Engineering, and Directed Energy Deposition (DED) additive manufacturing technology.
2. perform the fabrication of functionally graded materials (FGMs) using DED.
3. carry out the relevant testing and characterization works, and /or assist in developing the computational/predictive models of wear evolution in FGM.

How to Apply:

Interested candidates should submit their detailed curriculum vitae with self-attested photocopies of all mark sheets, certificates, GATE/NET score card, and other testimonials as a single pdf to hiralal.bhowmick@thapar.edu.

- The subject of email should be “**Application for the position of JRF/PostDoc in CoE-AM project**”
- In case of any query related to above project, kindly email to the PI of the project **Dr. Hiralal Bhowmick** (hiralal.bhowmick@thapar.edu).

The last date to receive the applications is 15th June 2026.

NOTE:

- (1) Incomplete applications shall be rejected.
- (2) **The shortlisted candidate will be informed about the interview date by email. The interview shall be conducted in online mode.**
- (3) The applicant will be responsible for the authenticity of information, other documents and photograph submitted.
- (4) Mere possessing the prescribed qualification does not ensure that the candidate would be called for interview. The candidates will be shortlisted on the basis of merit and need of the project.
- (5) Applicants in employment in government organization are required to submit a “No Objection Certificate” from the employer at the time of interview.
- (6) The position is purely temporary and will be governed by the administrative rules / service conditions of TIET, Patiala.

PI & Co-PIs of the project:

Dr. Hiralal Bhowmick
PI & Associate Professor,
MED, TIET

Dr. Tanmoy Mukhopadhyay
Co-PI & Senior Lecturer (B),
University of Southampton, UK

Dr. Vineet Srivastava
Co-PI & Associate Professor,
MED, TIET

Dr. Bhaskar Mohanty
Co-PI & Professor,
DPMS, TIET