



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

Advertisement for Junior Research Fellow (JRF) Position
THAPAR INSTITUTE OF ENGINEERING AND TECHNOLOGY
PATIALA, PUNJAB-147004

Applications are invited from highly motivated and eligible candidates for **one (01) Junior Research Fellow (JRF) position** under the mentorship of **Dr. Prabhat Chand Yadav**, Assistant Professor, **Dr. Ratnesh Kumar Raj Singh**, Associate Professor, Department of Mechanical Engineering, Thapar Institute of Engineering & Technology Patiala and **Dr. Yi Huang**, Manufacturing and Material Engineering, Bournemouth University, UK.

Project Title: *“Grain Boundary Engineering of Additively Manufactured Materials Using Severe Plastic Deformation for High-Temperature Applications”*

Funding Agency: Centre of Excellence in Advanced Manufacturing (CoEAM), Thapar Institute of Engineering & Technology Patiala, India-Tel Aviv University, Israel (TIET-TAU).

This multidisciplinary project will be carried out in **collaboration with Bournemouth University, United Kingdom.**

Position Details

- Post: Junior Research Fellow (JRF), Number of Positions: 01, Duration: 02 Years
- Emoluments: ₹45000 per month

Job Responsibilities

- 1) Conduct research in the field of Physical and Mechanical Metallurgy
- 2) Microstructural design using Severe Plastic Deformation for High-Temperature Applications
- 3) Measurement of mechanical and thermal properties from room to elevated temperature
- 4) Microstructural evaluation using EBSD and TEM for grain boundary character distribution of Additively Manufactured Materials

Essential Qualifications

- M.Tech./M.E. in Mechanical/ Production/ Manufacturing/ Metallurgy/ Materials Science, or related disciplines with a minimum of 60% marks or 6.0 CGPA.
- Preference will be given to candidate having valid GATE/NET score

How to Apply

Interested candidates should submit their detailed curriculum vitae with self-attested photocopies of all mark sheets, certificates, and testimonials as a single pdf.

Emails:

Dr. Prabhat Chand Yadav (Principal Investigator): prabhatchand.yadav@thapar.edu

Dr. Ratnesh Kumar Raj Singh (Co-Principal Investigator): ratnesh.kumar@thapar.edu

The last date to receive the applications is 15th June 2026. The shortlisted candidate will be informed about the interview date by email.