



Anusandhan  
National  
Research  
Foundation



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**

**Dept. of Physics and Materials Science**

Applications are invited from highly motivated and eligible candidates for **one (01) Junior Research Fellow (JRF) position** under the mentorship of **Dr. Sourav Marik, Associate Professor**, Dept. of Physics and Materials Science, TIET.

**Project Title:** *“Development of High-Critical Current Density Superconductors for Extreme Conditions: A High-Entropy Strategy for Robust Performance”*

**Funding Agency:** Anusandhan National Research Foundation (ANRF)– Advanced Research Grant (ARG).

This multidisciplinary project will be carried out in collaboration with IIT Delhi and the UGC–DAE Consortium for Scientific Research (CSR), Indore.

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### Position Details

- Post: Junior Research Fellow (JRF)
- Number of Positions: 01
- Duration: 03 Years
- Emoluments:
  - ₹37,000/-per month (JRF – first two years),
  - ₹42,000/- per month (SRF – third year, subject to performance)
  - 10% HRA per month

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### Job Responsibilities

- 1) Conduct research in the field of superconductivity and quantum materials
- 2) Design and synthesis of High-Entropy Superconductors
- 3) Measurement of magnetic and transport properties at low temperatures and under high magnetic fields

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### Essential Qualifications

- M.Sc. in Physics, Materials Science, or related disciplines with a minimum of 60% marks or 7.0 CGPA.
  - Candidate must have qualified GATE/NET
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## **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.

**Email: Dr. Sourav Marik (Principal Investigator): [soumarik@thapar.edu](mailto:soumarik@thapar.edu)**

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