



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

Advertisement for Research Associateship & 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. Satish Kumar Sharma, Prof. Ajay Batish, Dept. of Mechanical Engineering, TIET, and Dr. Maxim Sokol, Associate Professor, Faculty of Engineering, Tel Aviv University, Israel.

Project Title: *“Development of MAX-Phase Reinforced Metal Matrix Composites via Directed Energy Deposition for High-Performance Structural Applications”*

Funding Agency: Centre of Excellence in Advanced Manufacturing, TIET.

This multidisciplinary project will be carried out in **collaboration with Tel Aviv University, Israel.**

Position Details

- Post: Junior Research Fellow (JRF)
- Duration: 02 Years
- Emoluments: ₹45,000/- for GATE/NET qualified, otherwise ₹30,000/-

Job Responsibilities

- 1) Conduct research in the field of metal additive manufacturing
- 2) Design and synthesis of 2D MAX-phases
- 3) Measurement of metallurgical characteristics and mechanical properties in DED printed MAX phase reinforced metal alloys.

Essential Qualifications

- M.Tech. in Mechanical Engineering/ Production/ Design/ Thermal Engg/ Metallurgy with a minimum of 60% marks or 7.0 CGPA.

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 to:

Email: Dr. Satish Kumar Sharma (Principal Investigator): satish.sharma@thapar.edu

The last date to receive the applications is 20th June 2026. The shortlisted candidate will be informed about the interview date by email.