

Advertisement for Junior Research Fellow (JRF) Position

Applications are invited from highly motivated and eligible candidates for one (01) Junior Research Fellow (JRF) position under the mentorship of Dr. Deepa Mudgal, Principal Investigator, Dr. Ratnesh Kumar Raj Singh and Dr. Priyankar Dey, Co-Principal Investigators.

Project Title

“Development of Antithrombogenic PICC Line Materials to Mitigate Catheter-Induced Thrombosis in Cancer Patients”

Funding Agency / Programme: Thapar Institute of Engineering & Technology–Virginia Tech: Center of Excellence in Emerging Materials (CEEMS 2.0)

Position Details

- Post: Junior Research Fellow (JRF), Number of Positions: 01
- Emoluments: ₹45,000 per month (with Gate/UGC-NET); ₹30,000 per month (without Gate/UGC-NET)

Job Responsibilities

- 1) Conduct research on the development of antithrombogenic PICC line materials.
- 2) Investigate material properties and surface characteristics relevant to thrombosis mitigation.
- 3) Carry out experimental work related to the development and evaluation of PICC line materials.
- 4) Analyze and interpret experimental results and maintain proper research records.
- 5) Prepare technical reports and contribute to research publications and presentations.

Essential Qualifications

- M.Tech./M.E./M.S. in Mechanical Engineering, Materials Science, Materials Engineering, Biotechnology, Biomedical Engineering, or a related discipline, with a minimum of 60% marks or 6.0 CGPA.
- Preference will be given to candidates with a valid GATE/NET score.
- The selected candidate may also have the opportunity to enroll in a Ph.D. programme, subject to fulfilling the Institute’s eligibility criteria and admission requirements.

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 the following email addresses:

Dr. Deepa Mudgal (Principal Investigator): deepa.mudgal@thapar.edu

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

Dr. Priyankar Dey (Co-Principal Investigator): priyankar.dey@thapar.edu

The last date to receive the applications is 14th Sept 2026. The shortlisted candidate will be informed about the interview date by email.