

Thapar Institute of Engineering and Technology Patiala, Punjab.
Mechanical Engineering Department

Dated: September 06, 2024

**Advertisement of Junior Research Fellow (JRF)/ Project Associate - I for SERB
Sponsored Project**

Applications are invited for the post of Junior Research Fellow (JRF) for -SERB sponsored research project. The details of project and post for recruitment are given below:

Project Details:

Title of the project	Development of smart implants for monitoring of bone fracture healing
Project Duration	24 Months
Principal Investigator	Dr. Vishal Gupta, Department of Mechanical Engineering
Co-Principal Investigators	Dr. Gyanendra Singh

Detail of the Post:

Name of Post:	Junior Research Fellow (JRF)
Number of Posts:	One (01)
Monthly Emolument for JRF if GATE cleared	Rs. 31,000/- + 8% HRA
	Rs. 35,000/- + 8% HRA (for 3rd year)
Monthly Emolument for Project Associate - I (NON GATE)	Rs. 25,000/- + 8% HRA
Essential Qualification for JRF/Project Associate - I	M.Tech./M.E./M.S./M.Sc. Degree in Mechanical / Production/Instrumentation, Electronics, Biomedical Engineering M.Sc (Biomedical/ Physics/Electronics/Biotechnology) or equivalent streams in relevant areas with first class. Preference will be given to qualified GATE/NET score.
Desirable Qualification:	<ul style="list-style-type: none">• Good academic record and knowledge in the relevant area (3 D Printing / Additive manufacturing / sensors/ electronics) and prior work experience in the area of manufacturing / additive manufacturing / biomedical/sensors, CAD/CAM.• Preference will be given to the candidate having related experience in the field of additive manufacturing / advanced machining / biomedical / electronics
Job Role and Skill Requirements:	<ul style="list-style-type: none">• Design and fabrication of tibia implants using 3 D printing.• Sensor optimization and its location on the fabricated implants according to the fracture site• Wireless data acquisition and analysis• Mechanical and Biological characterization• Good analytical ability and competency in technical writing skills.

Copy this link and paste it on URL for completion of registration process:

<https://forms.gle/fv29BfYNUR2HkweT7>

How to Apply: Interested candidates are requested to apply in the above link **by September 22, 2024.**

The applicants have also to send a single pdf file to email ids: vishal.gupta@thapar.edu which consists of CV, marksheets, degree certificates, and other relevant documents.

In the subject line, please specify “Application for JRF position in SERB project. Provide complete information with regard to all essential eligibility conditions, incomplete applications will be rejected.

Last Date to Apply: **September 22, 2024.**

Candidates may also note the following points:

1. Selection committee of TIET reserves the right to fix suitable criteria for short- listing of eligible candidates.
2. The upper age limit for JRF shall be 28 years. Age relaxation: upper age limit is relaxable up-to 5 years for SC/ST/OC/Women and physically handicapped candidates.
3. Candidates will be short listed for the interview based on merit and experience of the available candidates. Decision of selection committee will be final. The date and time of interview will be informed by email only.
4. ***No TA/DA will be given to the candidates called for the interview.***
5. Appointment will be contractual in nature and as per Institute terms and condition.
6. The fellowship will be offered initially for a period of one year, **which can be extended further for one more year depending on the performance evaluation by committee.**

For any further information/clarifications, the applicants may contact PI directly by email.

Dr. Vishal Gupta
(Principal Investigator)
Assistant Professor,
Department of Mechanical Engineering,
Thapar University, Patiala-147001, Punjab.
E-mail: vishal.gupta@thapar.edu

Phone: 91-9729002917