



Dated: 27.10.2023

**Advertisement for the Post of Junior Research Fellow (JRF) in the CSIR  
Sponsored Research Project**

Applications are invited from motivated and eligible Indian citizens for the position of Junior Research Fellow (JRF) in a CSIR (Govt. of India) sponsored research project as per following details:

**Name of the project:** “*Magnetorheological Nano-Finishing of Diamagnetic and Paramagnetic Work Parts Surface for Improved Functional Performance*”

**Duration of project:** 36 months

**Number of positions:** 01 (one)

**Fellowship:** Rs. 31,000/- per month for JRF (initial two years) and Rs. 35,000/- per month for SRF (third year)

**Age:** The upper age limit for JRF is 28 years as on the day on which the application is made. The upper age limit is relaxable upto 5 years in the case of candidates belonging to scheduled castes/tribes/OBC, women and physically handicapped candidates.

**Last date for application submission:** On or before **November 14, 2023** (submission only pdf version of duly completed application on prescribed format must reach to: anantsingh@thapar.edu)

**Date of Interview:** To be communicated to the shortlisted candidates through email for conducting interview online or offline in the Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala

**Eligibility criteria:**

**Qualification:** M.E./M.Tech. in Machine Design / CAD/CAM Engineering / Production Engineering / Automation and Mechatronics or any other equivalent specialization with at least 55% marks in the aggregate or equivalent C.G.P.A. Candidates with GATE and research experience in the relevant field would be given preference.

Knowledge of MR fluid-based finishing processes, Finite Element Analysis, Optics fabrication, Mold manufacturing, Modeling and Simulation, Mechatronics, Machine building, Controller and PLC programming are preferable.

**OR**

B.E./B.Tech. in Mechanical Engineering / Mechatronics Engineering / Production or Manufacturing Engineering / Automation and Mechatronics or any other equivalent specialization with at least 55% marks in the aggregate or equivalent C.G.P.A. and GATE qualified.

**Other Benefits of joining the post:** Candidate selected for this position can work in research collaboration with the CSIO Chandigarh and can register for the Ph.D. program provided she/he satisfies the eligibility criteria for Ph.D. program in TIET Patiala.

**Tenure of Appointment:** Appointment shall be made on contract basis for a period of one year initially, which may be extended further depending on the performance evaluation on yearly basis and on the approval of the competent authority till the end of the project. The appointment is a time bound project and the candidate is essentially required to work for successful execution of the project objectives and completion of the project.

**NOTE:**

- (1) Only candidates having excellent academic record and a keen interest in research are highly encouraged to apply.
- (2) The applicant will be responsible for the authenticity of information, other documents and photograph submitted.
- (3) Mere possessing the prescribed qualification does not ensure that the candidate would be called for interview. The candidates will be shortlisted on the basis of merit and need of the project.
- (4) Shortlisted candidates will be informed through email only.
- (5) Shortlisted candidates have to present themselves personally or online for the interview on the scheduled interview date and time, with updated CV and original and attested photo copies of marks sheets/ certificates in support of their academic qualifications.
- (6) Applicants in employment (private, government or any other organization) are required to submit a “No Objection Certificate” from the employer at the time of interview.

(7) No TA/DA is admissible for interview. The position is purely temporary and will be governed by the administrative rules / service conditions of CSIR New Delhi and TIET, Patiala.



**Dr. Anant Kumar Singh,**  
**(Principal Investigator)**  
Professor,  
Mechanical Engineering Department  
Phone numbers: 9855927663  
E-mail: anantsingh@thapar.edu

## Format for JRF Application

1) Application for the post of:

2) Name of the Candidate in full (in capital letters):

3) Date of Birth:

4) Nationality:

5) Email Address and Mobile no. (important to fill):

6) Mailing Postal Address:

7) Educational qualifications (starting from High school onwards)

Recent Photograph  
here

Sl. No.	Name of Exam Passed	Subjects/Branch/Specializations	Name of the University/Board	Month and Year of Exam passed	Percentage of Marks secured/CGPA
1	10 <sup>th</sup>				
2	12 <sup>th</sup>				
3	B.E./ B.Tech.				
4	M.E./ M. Tech.				
5	Any other				

	additional				
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**8) Particulars of GATE examination:**

- (i) Year of passing:
- (ii) Discipline:
- (iii) Score (percentile):
- (iv) All India Rank:
- (v) The number of candidates appeared:

**9) Previous experience:**

(Furnish details such as name of the post/fellowship, period worked, name of the organization/institution)

**10) Present position:**

- (a) If you are studying, mention course/subject details:
- (b) Details of fellowship/post:
- (c) Name of the institution/ organization in which you are studying/working:

**11) M.E./M.Tech. Thesis/Project title, with details of software language used:**

**12) Number of research papers published (if any):**

**13) Any other experimental projects handled:**

Date:

Signature of the Candidate