



Department of Mechanical Engineering

**Advertisement for the post of JRF (01) in CRG-SERB sponsored project**

Applications are invited from Indian candidates for one post of **Junior Research Fellow (JRF)** to work in a CRG-SERB funded sponsored research project (CRG/2022/001450) on “**Design and development of an Electrically Assisted Hybrid Double Sided Incremental Forming machine for efficient production of customised bio medical implants with improved surface finish and geometrical accuracy**” under the supervision of **Dr Parnika Shrivastava** (Principal Investigator), Department of Mechanical Engineering, NIT Jalandhar.

The details of the project are as under:

<b>Position</b>	Junior Research Fellow (01)
<b>Duration of Project</b>	09-Jul-2026 (or till the completion of project)
<b>Qualifications</b>	ME/MTech in Mechanical Engineering with specialization in the relevant field (Manufacturing, Mechatronics, CAD/CAM, Machine Design.
<b>Fellowship</b>	Rs. 31, 000/+ for first two years and Rs. 35,000/- plus HRA as per NITJ rules
<b>Age limit</b>	35 years
<b>Job Responsibilities</b>	<p>Selected JRF have to work on:</p> <ul style="list-style-type: none"><li>• The development of novel Electrically Assisted Hybrid Double Sided Incremental Forming machine (EAHDSIF) setup</li><li>• The designing and development of an automated flexible forming module for real time motion compensation of supporting tool during EAHDSIF process</li><li>• CAD, CAM and CAE strategies to process patient’s specific data, pre-fabrication simulation and production of implants respectively</li><li>• Optimization strategies to produce implants with improved surface finish and geometrical accuracy</li></ul> <p>IPR and Research publications in esteemed journals of high quality</p>
<b>How to Apply:</b>	Interested candidates have to submit complete application form, experience certificates, along with self-attested photocopies of marks sheet/certificates through email ( <a href="mailto:shrivastavap@nitj.ac.in">shrivastavap@nitj.ac.in</a> ) or by registered post by 15 <sup>th</sup> October, 2023 at below address.

**Terms and conditions:**

- ❖ Selected candidate may register for a Ph.D. programme in Mechanical department, NIT Jalandhar as



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per the Institute norms.

- ❖ The appointment of the JRF will be purely temporary and valid for the above period as mentioned above or until the completion of project or until the services are required by the Project PI, whichever is earlier.
- ❖ The services of the JRF will be liable to termination at any time without any notice and without assigning any reason.
- ❖ The appointment shall be specifically for the aforesaid project and staff member will not have any claim / right on any post in the NITJ Institute.
- ❖ Interested candidate may send complete application and other documents through email in a single pdf file.
- ❖ In the subject line please mention: “APPLICATION FOR THE POST OF JRF POSITION”.
- ❖ At the time of interview applicant has to show their marks-sheet and other related documents for verification.
- ❖ Only shortlisted candidates will be called to appear in the interview. The information of interview will be communicated through email only provided in the application.
- ❖ \*No TA/DA will be given to the candidate for attending the walk interview.
- ❖ **LAST DATE OF SUBMISSION OF APPLICATION IS 15.10.2023.**

In case of any clarification, the candidate may contact to the undersigned.

**(Dr. Parnika Shrivastava)**

Principal Investigator

Assistant Professor

Department of Mechanical Engineering

Dr B R Ambedkar NIT Jalandhar Punjab

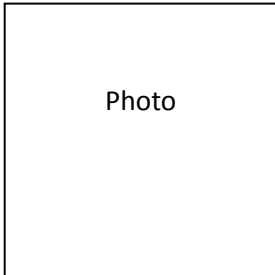
Email- [shrivastavap@nitj.ac.in](mailto:shrivastavap@nitj.ac.in)

Contact No- 9424482813

**Dr. B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR**  
**G T Road Bye Pass, Jalandhar-144027, Punjab (India)**  
**(An Institution of National Importance)**

**Application Form for the Post of .....**  
**Research Project Sponsored by CRG-SERB (CRG/2022/001450)**

1. Name of the applicant (in full block letters):
2. Father's/Mother's/Guardian's/Husband's Name:
3. Date of birth:  
Sex (Male /Female):  
Marital status (single/married):  
Category: SC/ST/OBC/PWD/General:
4. Address of communication:  
Mobile no: \_\_\_\_\_ Email: \_\_\_\_\_
5. Educational Qualifications:  
(From 10th or equivalent onwards, self-attested copies to be enclosed)



Examination passed	Year of passing	University/Board	Division/ Class % of Marks*	Subjects

6. Professional Experience (if any)

S. No.	Designation	Name of Organization	Period		Nature of Work
			From	To	

7. Research Publication (if any):
8. Awards, patents, prizes etc (if any):
9. Any other information relevant to the post (if any):
10. Valid GATE/NET/Any other: Qualified (Yes/No):      Score:\_\_\_\_\_, Rank:\_,  
Year
11. Gap if any:
12. Referees:  
(1) Name : .....Designation..... Organization..... Email.....  
  
(2) Name : .....Designation..... Organization..... Email.....

DECLARATION: I do hereby declare that the above information furnished by me are true and correct to the best of my knowledge.

Place:

Date:

Signature of the applicant

List of enclosures: