



DEPARTMENT OF MECHANICAL ENGINEERING  
NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA,  
SURATHKAL

**Advertisement for Junior Research Fellow (JRF)**

Applications are invited for the position of JRF in a research and development project (Ref. No. 681/NITK/SERB/MECH/S.B./2023-24/A9 dated 13/06/2023) with following details:

**Title of Project: Laser Directed Energy Deposition of Functionally Graded Cu-SS316L Structures for Power Generation Applications**

**Funding agency: SERB**

**Project Investigators:**

Dr. Srikanth Bontha  
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Assistant Professor  
Department of Mechanical Engineering  
National Institute of Technology Karnataka, Surathkal  
Mangalore-575025, Karnataka.  
Email: [balan@nitk.edu.in](mailto:balan@nitk.edu.in)

**Designation of the position:**

Junior Research Fellow

Number of Positions/Vacancies: 1 (One)

**Qualifications:**

**Essential Qualification:**

Candidate with B.E./B.Tech in Mechanical/Production Engineering/Metallurgical Engineering/Materials Science and Engineering and other allied disciplines with a minimum of 60% aggregate score (6.5/10 CGPA). Candidate must have qualified GATE examination. (old gate score will also be considered).

Or

M.Tech./M.E. in Manufacturing/Production Engineering/ Metallurgical Engineering/Materials Science and Engineering/Materials Engineering and other allied areas with a minimum of 60% aggregate score (6.5/10 CGPA). Candidate must have qualified GATE examination (old gate score is also considered). Those who are appearing for M.Tech/M.E last semester may also apply. Proof of M.Tech/ M.E certificate has to be provided during the time of interview.



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**Desired Skills:**

- Basic exposure to Metal Additive Manufacturing Processes. Candidates with prior experience will be given preference.
- Should be able to work in a team and must have good communication skills.

Age Limit: **35 years (Preferable)**; Salary: Rs. 37,000/month + HRA (16%)

**Duration:**

18 months or up to the termination of project, subjected to quarterly performance review. The candidate if found suitable may be provided an option to register for Ph.D. at NITK Surathkal.

**How to apply:**

Interested candidates must apply with the following documents

- (1) Cover letter
- (2) Bio-data with passport-sized photograph
- (3) Scanned copies of educational certificates and mark sheets, class XII onwards
- (4) GATE qualification certificate
- (5) Scanned copies to show proof of research experience, special achievements and publications, if any
- (6) Filled copy of the application form enclosed with the advertisement.

The soft copies of all the above documents (pdf format) must be emailed to the e-mail ID **srikanth.bontha@nitk.edu.in** on or before **November 29, 2024**. Originals should be presented at the time of interview.

No TA/DA will be paid for attending the written test/interview. The appointment will be on a purely temporary basis co-terminus with the project. Candidates who are already employed should produce relieving certificate from their employers, if selected. Only shortlisted candidates will be intimated by e-mail about the date and time of written test/interview. The position is available immediately. The selected candidate is expected to join at the earliest.



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**Application for the Position of Junior Research Fellow**

1. Name of the candidate (in block) :

2. Parent name :

3. Date of birth :

4. Sex : M F T

5. Marital status : Married Single

6. Category : GEN OBC

SC/ST PWD

7. Previous research experience (use additional sheet, if required) :

8. Previous industrial experience (use additional sheet, if required) :

9. Publication(s), if any (use additional sheet, if required) :

10. GATE details

Score

Rank

Year

Specialization

11. Academic Qualification: (starting from SSLC or equivalent examination)

Name of Exam Passed	Name of the School/College/Institute/University	Year of Passing	Discipline/ Specialization	CGP A or %

12. Address:

13. Email:

14. Mobile:

I do hereby declare that the information furnished in this application is true to the best of my knowledge and belief. If selected, I promise to abide by the rules and regulations of the Institute.

Date:

Place:

Signature

