



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
Professor
Department of Mechanical Engineering
National Institute of Technology Karnataka, Surathkal
Mangalore-575025, Karnataka.
Email: srikanth.bontha@nitk.edu.in

Dr. A.S.S. Balan
Assistant Professor
Department of Mechanical Engineering
National Institute of Technology Karnataka, Surathkal
Mangalore-575025, Karnataka.
Email: 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



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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.

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:

9 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 **October 31, 2025**. 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

Photo

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