



**Department of Mechanical Engineering**  
**NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL**

**Advertisement for Junior Research Fellow (JRF)**  
**(Ref No. 927/NITK/ MECH/SERB/SJ/2018-19/A9)**

Applications are invited for the position of Junior Research Fellow (JRF) in a Research and Development project (**Ref. No. EEQ/2018/000927**) with the following details:

**Title of the project:**

“Improvement in the properties of thermally sprayed Hydroxyapatite bio-ceramic coating reinforced with nanostructured materials”

**Principal Investigator:**

**Dr. Sudhakar C. Jambagi**

Assistant Professor,

Department of Mechanical Engineering,

National Institute of Technology Karnataka, Surathkal

Mangalore-575025,

Karnataka.

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**Name of the position: Junior Research Fellow (JRF)**

**No. of Position/Vacancy: 01 (One)**

**Qualifications:**

**Essential Qualifications:** - B.E/B.Tech in Mechanical Engineering with a minimum of 60% aggregate score (6.5/10 CGPA) and M. Tech/M. E in Manufacturing Engineering or technology or Metallurgical and Materials Engineering with a minimum of 60% aggregate score (6.5/10 CGPA). **Applicant must be GATE qualified.** A good GATE score will be an added advantage. 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.

**Mechanical Engineering Stream with specialization in Manufacturing Engineering**

**Desired Skills:-**

- Work experience related to thermal spray coating fabrication, characterization and analysis.
- The candidate should know the fundamentals of biomaterials, especially in thermal spray coating.
- The candidate should know the fundamentals of materials and metallurgy.
- Ability to work in a team, good communication skills and experience in experimental research.

**Age Limit:** 28 years

**Salary:**

- Rs. 25,000/month (for 1st and 2nd year)
- Rs. 28,000/month (for 3rd year)

**Note:** The above salary may be revised as per DST norms with approval of concerned authority.

**Duration:** Three years or up to the termination of the project, subject to annual performance review. *The candidate is entitled to register for the Ph.D. programme 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 qualified certificate and (5) Scanned copies of Proof for research experience, special achievements and publications, if any.

The soft copies of all the above documents (pdf format) must be E-mailed to sudhakar.nitk@gmail.com (Dr. Sudhakar C. Jambagi) by **9<sup>th</sup> May 2019**. Only shortlisted candidates will be intimated by E-mail and called for interview in person. No TA/DA will be paid for attending the interview. The position is available immediately. The interview will be held during May/June 2019. The appointment will be on a purely temporary basis co-terminus with the project.