



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

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

Applications are invited for the position of Junior Research Fellow (JRF) in a research and development project (**Ref. No. 13/NITK/SERB/MECH/SHN/2019-20/A9**) with following details:

**Title of the project:**

**“Experimental technique to induce surface grain refinement through Laser Shock Peening on ECAP processed Mg alloy”.**

**Principal Investigator:**

**Dr. H Shivananda Nayaka,**

Associate Professor,

Department of Mechanical Engineering,

National Institute of Technology Karnataka, Surathkal

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**Name of the position:**

- Junior Research Fellow (JRF)

**No of Positions/Vacancies:**

- Junior Research Fellow (JRF) – **One (01) Position**

**Essential 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/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 have appeared for M. Tech / M.E and waiting for results may also apply and proof of M. Tech / M.E viva voce competition certificate has to be provided during the time of interview.

### **Desired Skills:-**

- ✓ Work experience related to metal forming, LASER processing, material characterization and analysis.
- ✓ 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:**

- Junior Research Fellow (JRF) – **30 years**

### **Salary:**

- I and II year – Rs. 31,000/month
- III year – Rs. 35,000/month

**Duration:** Three years or up to the termination of project, subject to annual performance review. The candidate can be entitled to register for Ph.D. at NITK, Surathkal, if found suitable.

**How to apply:** Interested candidates must apply with the following documents

- (1) Covering 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 **emailed** to the P.I (Dr. H Shivananda Nayaka) by **24<sup>th</sup> August 2020**. The email address for correspondence is [hsn@nitk.edu.in](mailto:hsn@nitk.edu.in). Only shortlisted candidates will be intimated by email and called for interview (online). The position is available immediately. Written test and interview are most likely to be held during September 2020.