



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. 526/NITK/SERB/MECH/VG/2019-20/A9**) with following details:

Title of the project:

“Organic Rankine cycle system for small-scale power generation using solar energy assisted with PCM based thermal energy storage”

Principal Investigator: Dr. Veershetty Gumtapure
Associate Professor,
Department of Mechanical Engineering,
National Institute of Technology Karnataka, Surathkal
Mangalore-575025,
Karnataka.
Ph: +91-9591415911
Email: veersg@yahoo.co.in; veersg@nitk.edu.in

Name of the position: Junior Research Fellow (JRF)

No of Positions/Vacancies: One (01) Position

Qualifications: B.E/B.Tech in Mechanical Engineering/ Related Branches with a minimum of 60% aggregate score (6.5/10 CGPA) and M.Tech/M.E in Thermal engineering/ Thermal and Fluids engineering/ Energy engineering, Computational Fluid Dynamics and Heat Transfer/ Related Branches 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.

Desired Skills:-

- Basic exposure to renewable energy and related fields.
- The candidate must be well versed with softwares/tools to analyze the performance of energy conversion systems. (MATLAB/EES/ANSYS FLUENT etc.)
- Should be able to work in a team and must have good communication skills and experience in experimental research.

Age Limit: 30 years

Salary:

- **1st and 2nd year: Rs 31,000/month + 16% HRA**
- **3rd year: Rs 35000/month + 16% HRA**

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

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.

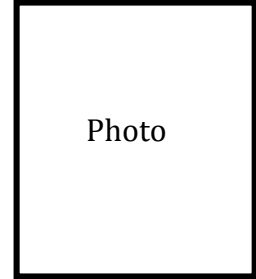
The soft copies of all the above documents (pdf format) must be **emailed** to the **Principal Investigator (Dr. Veershetty Gumtapure) by 25th March 2020**. The email address for correspondence is veersg@nitk.edu.in. Only shortlisted candidates will be intimated by email and called for interview in person. No TA/DA will be paid for attending the interview. The position is available immediately. Interviews will most likely to be held in the first week of April.



Department of Mechanical Engineering
NATIONAL INSTITUTE OF TECHNOLOGY
KARNATAKA, SURATHKAL

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. Martial 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	CGPA 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