



Department of Mechanical Engineering
NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

Ref. No. CRG/2021/007454

February 10, 2022

Advertisement for Junior Research Fellow (JRF)

Applications are invited for the position of Junior Research Fellow (JRF) in a research and development project (**under Core Research Grant, SERB, New Delhi**) for the duration of **3 years (2022-2025)** with the following details:

Title of the project:

“Design and development of Supercritical carbon dioxide based naturally circulated solar thermal collector.”

Principal Investigator:

Dr. Ajay Kumar Yadav,

Assistant Professor, Department of Mechanical Engineering,
National Institute of Technology Karnataka, Surathkal, Mangalore-575025,
Ph: 9035552339
Email: ajaykyadav@nitk.edu.in;

Co-Principal Investigators:

Dr. Ramesh M R

Associate Professor, Department of Mechanical Engineering,
National Institute of Technology Karnataka, Surathkal, Mangalore-575025,
Ph: 9480540801
Email: rameshmr@nitk.edu.in;

Name of the Position: Junior Research Fellow (JRF)

No. of Positions/Vacancies: One

Qualifications:

Essential Qualifications: - M.Tech./M.E. in Thermal Engineering/Energy Engineering/ Manufacturing Engineering/Materials Engineering and 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). Proof of M.Tech./ M.E certificate has to be provided during the interview.

Age Limit:- Not more than 28 Years. Age relaxation as per SERB-DST, GoI norms

Salary:- Rs. 31,000/month + HRA (16%)

Duration: 01 year or up to the termination of the project, subject to annual performance review. The candidate is encouraged to apply for PhD at NITK, Surathkal.

How to apply: Interested candidates must apply by filling out the attached application form

along with the following documents (1) Cover letter (2) Bio-data with passport-sized photograph, (3) Scanned copies of educational certificates and mark sheets (class-X onwards) (4) GATE qualified certificate and (5) Scanned copies of Proof for research experience, special achievements and publications, if any.

The soft copies of the application form and required documents (pdf format) must be **emailed to the P.I. (Dr. Ajay Kumar Yadav) by 28th February 2022**. The email address for correspondence is given above. Only shortlisted candidates will be intimated by email and called for an interview. The position is available immediately. The appointment will be on a purely temporary basis co-terminus with the project.



**DEPARTMENT OF MECHANICAL ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA
SURATHKAL P.O. SRINIVASNAGAR, MANGALORE – 575 025**

APPLICATION FOR THE POST OF JUNIOR RESEARCH FELLOW

For Office Use:	Paste your recent Passport size photo
Serial Number:	
Eligible for Written exam/Interview: Yes / No	
Verified the Certificates:	

1. Name:	
2. Father's Name:	
3(a). Date of Birth: (DD/MM/YYYY)	3(b). Nationality:

4. Contact information:

(i) Address for communication:	
(ii) Mobile No:	
(iii) Email ID:	

5. Educational Qualifications*

Class	Subject/ Stream	Board/ University	Name of Institute	Marks/ CGPA	Year of Passing
X					
XII					
B.E/B.Tech.					
M.E/M.Tech.					

Competitive Exam	Qualified	Marks / Rank	Year
CSIR-UGC NET	Yes / No		
GATE	Yes / No		

*Attach self-attested copies of all certificates.

6. Work Experience, if any (in years)

Organization	Designation	Duration	Responsibilities

7. Number of Publications: (Attach a separate list of publications with full details)

National	International

8. Workshop/Training programs attended*:

Sl. No.	Details

*Attach separate sheet (if required)

9. Other Achievements*:

Sl. No.	Details

*Attach separate sheet (if required)

Declaration: All the above particulars provided by me are true to the best of my knowledge and I understand that, if found incorrect, I may be disallowed to appear in the interview/test.

Date:

Place:

Signature of the Candidate

Note: Attach the list of enclosures along with the application.