

**NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**ADVERTISEMENT FOR THE POST OF JUNIOR RESEARCH FELLOW**

**NITT/MEC/DST-BRICS/JRF/2023**

**Dated 13.02.2023**

Applications are invited from Indian Nationals only for Project Positions as per the details given below, for research projects, under the principal investigator **Dr. R. Anand, Associate Professor, Department of Mechanical Engineering, in National Institute of Technology, Tiruchirappalli-15, Tamil Nadu.**

Title of the Project	:	<b>Life cycle assessment of CO<sub>2</sub> reduction by energy efficient hybrid biomass pyrolysis and gasification</b>
Funding Agency for the Project specimen	:	<b>DST, BRICS Scheme</b>
Project Positions and Number	:	<b>Junior Research Fellow (JRF) - 1 No.</b>
Qualification	:	<b>M.E/M.Tech in Thermal Engineering or Chemical Engineering or Environmental Engineering or any other appropriate / relevant specialization with a valid GATE / equivalent national level test score is selected through any one of the Following:</b> a) National Eligibility Tests –CSIR –UGC NET including lectureship (Assistant Professorship) and GATE. b) The selection process through National level examinations conducted by Central Government Departments and their agencies and institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.
Emoluments	:	<b>Rs. 31000/- + 8% HRA per month (For first two years)</b> <b>Rs. 35000/- +8% HRA per month (For third year)</b>
Duration:	:	<b>Three Years</b>

Job Description:	:	<p><b>a.</b> To develop new hybrid technologies for integrating both pyrolysis and gasification for effective waste management and combined energy recovery.</p> <p><b>b.</b> Compilation of Results, Report Preparation and Presentation</p> <p><b>c.</b> The candidate selected as JRF is eligible to register for pursuing Ph.D. programme as per NITT rules and regulations after fulfilling requirements of Ph.D. programme.</p>
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- A. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
- B. Candidates desiring to appear for the Interview should submit their applications with the following documents to the Office of the Principal Investigator through Registered/ Post.
- C. Application should be furnished only in the prescribed format.
- D. Experience including research, industrial field and others.
- E. Attested copies of degree/ certificate and experience certificate
- F. Candidates shall bring along with them the original certificates at the time of interview for verification.
- G. Please note that no TA/DA is admissible for attending the interview.
- H. PI Can be reached through the mail (anandachu@nitt.edu ) with the subject marked as “**JRF-DST-BRICS 2023**”
- I. PI Address for the correspondence.  
**Dr. R. Anand, Associate Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli-620015, Tamilnadu.**
- J. The last date and time of submission of duly filled in application **27.02.2023**.

**Dr. R. Anand**

**Principal Investigator**

**NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**APPLICATION FOR THE POST OF JUNIOR RESEARCH FELLOW**

<p style="text-align: center;">For Office Use only</p> <p>Serial Number allotted to the Applicant                  .....</p> <p style="text-align: center;">Signature of the Application Screening Committee Chairman</p>	<p style="text-align: center;">Paste here your                  recent passport size                  colour Photograph</p>
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**APPLICATION FOR THE POST OF JUNIOR RESEARCH FELLOW**

1. Name of the Candidate in full					
2. Nationality					
3. Mother Tongue					
4. Date of Birth	Date	Month	Year		
5. Sex	Male / Female				
6. Marital Status	Married / Single				
7. Category SC / ST / OBC / General	Please specify				
8. Address for communication with Mobile number and E Mail ID					
9. Project Title					
10. Name of the Post applied for					
11. Advertisement Number with Date					
Academic Career : Enclose photo copies of the qualifying degree certificates and mark sheets/ grade cards showing the percentage of marks or CGPF from HSC onwards					
Name of Exam	School / University	Board/ University	Broad subjects of study	Year of Passing	% of marks / GCPA
S.S.L.C					
H.S.C					
Graduation					
Post-Graduation					
Any other					

Enclose self-attested Xerox copies

12. GATE Score .....Subject  
.....Year.....

13. NET Score  
.....Subject.....Year.....  
.....

14. Work Experience, if any

Organization	Designation	Duration		Nature of Job
		From	To	

14. Previous Research work and publication, if any (enclose copies of published or unpublished work)

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15. Proof of past study as a sponsored candidate, or other contractual obligation, if any:

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16. Reference

Name	Address	Phone & E Mail ID

17. I do not have a relative among Faculty and Staff of the NIT, Tiruchy.

18. Declaration: I do hereby that the information furnished in the application is true to the best of my knowledge and belief. If admitted, I shall abide by the rules and regulations of the Institute and Project associated to it. If any information furnished in this application is found to be untrue, I am liable to forfeit the seat / appointment allotted to me any time in future and legal action be taken against me.

Date:

Full signature of the Applicant

List of Enclosures: (1)  
(2)  
(3)  
(4)