

NITT/R&C/CIVIL/RM/TSAMRC/2022/001

10th February 2022

ADVERTISEMENT

Applications are invited from eligible candidates for the position of **Junior Research Fellow (JRF) and Project Staff** for the Tata Steel Advanced Materials Research Center (TSAMRC) project titled “**Application of Natural Fiber Reinforced Polymers as Alternative to Synthetic Fiber Reinforced Polymers**” in the Department of Civil Engineering, National Institute of Technology, Tiruchirappalli.

Position: **Junior Research Fellow (JRF), Project Staff**

Number of posts: One per post

Essential qualification: 1. Junior Research Fellow: B.E / B. Tech /Civil Engineering and M.E / M.Tech.* Structural Engineering / Environmental Engineering / Water Resources Engineering.

Desirable: Core knowledge in material property testing, solid mechanics and finite element software modelling. Basic knowledge in testing laboratory instrumentation, composites, material characterization and treatment. (* Preferably with GATE score)

2. Project Staff: B. E / B.Tech / Diploma in Civil or Mechanical Engineering from any recognized institute

Desirable: Aptitude in material procurement, experience in material property testing and operation of laboratory equipment such as Universal Testing Machines, specimen casting and preparation. Basic knowledge in strength of materials. Basic oral and written communication in English is desirable.

Job Description:

1. Junior Research Fellow:

Laboratory preparation of Fiber Reinforced Polymer followed by testing and evaluation of mechanical and thermal properties. Numerical modelling of tested FRP materials in finite element software and simulation of components. Market analysis of developed FRP and market available Glass FRP. Report generation and documentation.

2. Project Staff:

Market search and procurement of raw materials and chemicals. Treatment and preparation of FRP specimens. Testing of specimens including operation of equipment, assistance in experimental setup, instrumentation, and field studies.

Salary:

Junior Research Fellow: Rs 31000 + 16% HRA per month

Project Staff: Rs 20000 + 16% HRA per month

Duration of Project: 3 Months

Tenure: 3 months, will be extended till the completion of project, based on satisfactory performance

Eligible candidates having experience in the relevant topics may send their applications on prescribed format along with Bio-Data with copy of the relevant supporting documents by email : manju@nitt.edu, manjuecontent@gmail.com and by speed post/courier to **Dr. R. Manjula**, Assistant Professor, Department of Civil Engineering, National Institute of Technology Tiruchirappalli – 620015 with the subject marked as “**APPLICATION FOR THE POST OF JRF / PROJECT STAFF - TSAMRC PROJECT**”. Only shortlisted candidates will be called for written test/Interview. No T.A/D. A will be paid for attending the interview. Preference will be given to the candidate who is having good academic record, research potential, relevant experience and GATE score. However, the selection of the candidate would purely be based on their performance in the Written Test and/or Interview. The date of Written Test and/or Interview shall be communicated to the shortlisted candidates by E-mail. The selection committee decision is final. If any applicant is found to canvass in any manner, the candidate selection shall be summarily rejected.

The last date for receipt of applications is **24.02.2022**.



Dr. R. Manjula (Principal Investigator)
Assistant Professor
Department of Civil Engineering
National Institute of Technology
Tiruchirappalli – 620015

OFFICE OF THE DEAN (R & C), NIT, TIRUCHIRAPPALLI
RECRUITMENT OF TEMPORARY PROJECT STAFF
APPLICATION FOR THE POST OF JUNIOR RESEARCH FELLOW / PROJECT
STAFF

<p style="text-align: center;">For Office Use only</p> <p>Serial Number allotted to the Applicant</p> <p style="text-align: center; margin-top: 20px;">Signature of the Application Screening Committee Chairman</p>	<p style="text-align: center;">Paste here your recent passport size color Photograph</p>
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APPLICATION FOR THE POST OF JRF / PROJECT STAFF

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 photocopies 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					
PhD					

Enclose self-attested Xerox copies

13. GATE Score..... Subject
..... Year.....

14. NET Score
..... Subject..... Year.....
.....

15. Work Experience, if any

Organization	Designation	Duration		Nature of Job
		From	To	

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

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

18. Reference

Name	Address	Phone & E Mail ID

19. I do not have a relative among Faculty and Staff of the NIT, Trichy.

20. 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) etc.