

OFFICE OF THE DEAN (R & C), NIT, TIRUCHIRAPPALLI  
ADVERTISEMENT FOR RECRUITMENT OF JRF/PA-I/PA-II

Date: 15-07-2024

Applications are invited from Indian Nationals for Project Position as per the details given below, for research project under the Principal Investigator **Dr. R. Prakash**, Assistant Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli-15, Tamil Nadu.

1	Title of the project	Detection of Crack Orientation in 3D Printed Composite Plate using Shearlet Transform
2	Funding Agency for the Project specimen	Science & Engineering Research Board (SERB)
3	Project Positions and Number	JRF / Project Associate -I / Project Associate -II No of vacancies: 01
4	Qualification	<p><b>JRF:</b> Graduate / Post Graduate Degree in Mechanical Engineering/ Engineering Design/Machine Design/ Mechanical Design/Aerospace Engineering/ Applied Mechanics/ CAD/CAM selected through a process described through any one of the following:</p> <ul style="list-style-type: none"> <li>a. Scholars who are selected through National Eligibility Tests – CSIR-UGC NET including lectureship (Assistant Professorship) and GATE</li> <li>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, MoE, ICAR, ICMR, IIT, IISC, IISER, NISER etc.</li> </ul> <p style="text-align: center;">(or)</p> <p><b>Project Associate – I:</b> B.E/B.Tech or M.E/M.Tech with First class in Mechanical Engineering/ Engineering Design/Machine Design/ Mechanical Design/Aerospace Engineering/Applied Mechanics/ CAD/CAM from an AICTE/MoE recognized Institute / University</p> <p style="text-align: center;">(or)</p> <p><b>Project Associate – II:</b> B.E/B.Tech or M.E/M.Tech with First class in Mechanical Engineering/ Engineering Design/Machine Design/ Mechanical Design/Aerospace Engineering/Applied Mechanics/ CAD/CAM from an AICTE/MoE recognized Institute / University and <b>2 years’ experience</b> in R&amp;D or Academic Institutions.</p>
5	Emoluments	<p><b>For GATE qualified Candidates:</b> <b>JRF:</b> Rs. 37,000/- + 16% HRA</p> <p><b>For Non-Gate Qualified Candidates:</b> <b>Project Associate – I:</b> Rs. 25,000/- + 16% HRA <b>Project Associate – II:</b> Rs.28,000/- +16% HRA</p>
6	Duration	<b>2 years</b> , but initially for a period of ONE YEAR and will be extended for next year based on the performance.

7	Job Description	<ul style="list-style-type: none"><li>➤ 3D CAD Modelling &amp; 3D Printing</li><li>➤ Perform simulation and analysis in FEA packages</li><li>➤ Conducting experiments</li><li>➤ Writing reports &amp; technical articles</li></ul>
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**ADDITIONAL INFORMATION:**

1. Mere fulfilling the above criteria will not be sufficient. The higher criteria for the selection of the candidates may be imposed based on the number of applications.
2. Age Limit: 35 years (In exceptional case, the age may be relaxed for experienced/deserving candidates)
3. Eligible candidates desiring to appear for the interview may send their duly filled applications (only in the prescribed format given in this advertisement) along with the relevant supporting documents as a single PDF file by email to “**rprakash@nitt.edu**”. The subject line of the email must be written as “**Application for JRF/Project Associate-I /Project Associate-II Position– SERB**”
4. The relevant supporting documents include qualifying degree certificates and mark sheets/grade cards showing the percentage of marks or CGPA from SSLC/10th onwards, experience certificates, etc.
5. Candidates should bring the original certificates with them during the interview for verification.
6. Please note that no TA/DA is admissible for attending the interview
7. The last date for submission of the duly filled application is **20th August 2024, 5 pm**
8. The interview date will be communicated to the shortlisted candidates by E-mail only.
9. The interview will be held at NIT Tiruchirappalli. Selected candidates are expected to join immediately.
10. Preference will be given to the candidate who has a good academic record, research potential, and relevant experience.
11. The selection committee decision is final. If any applicant is found to canvass in any manner, the candidate selection can be summarily rejected.
12. For any clarification, PI can be reached through the mail id: [rprakash@nitt.edu](mailto:rprakash@nitt.edu).

**Dr. R. Prakash,**  
**Principal Investigator (PI).**

**OFFICE OF THE DEAN (R & C), NIT, TIRUCHI**  
**RECRUITMENT OF TEMPORARY PROJECT STAFF --PRESCRIBED APPLICATION FOR THE POST**  
**OF RESEARCH ASSOCIATE / JRF / SRF / TECHNICAL STAFF – SPECIMEN TEMPLATE**

*(Important note: This is specimen template. Project Investigator can modify according to his requirement)*

<p>For Office Use only</p> <p>Serial Number allotted to the Applicant .....</p> <p>Signature of the Application Screening Committee Chairman</p>	<p>Paste here your recent passport size colour Photograph</p>
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**APPLICATION FOR THE POST OF RESEARCH ASSOCIATE / JRF / SRF/ TECHNICAL 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					
Any other					

Enclose self-attested Xerox copies

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

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