

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI – 620 015**

FILE NO. PKVVIGEG1 I VT1CRG/2021/003646ILTH

21-02-2022

**ADVERTISEMENT**

Applications are invited from eligible candidates for the position of **Junior Research Fellow (JRF)** for the **Science & Engineering Research Board (SERB)** project titled “**Deep Learning-Based Reconfigurable and Multifunctional Nanophotonic Interconnects for Hyperscale Data Centers and 6G Backhaul Networks**” in the Department of Electronics and Communication Engineering, National Institute of Technology, Tiruchirappalli.

Position	No of vacancy	Essential Qualification
JRF	01	<p>B.E/B.Tech in Electronics &amp; Communication Engineering and M.E/M.Tech or equivalent in Optical Communication/Communication System/Applied Electronics with a minimum of 60% (or above) aggregate marks (CGPA <math>\geq</math> 6.5/10) in UG and PG.</p> <p>A valid GATE / equivalent national level test score is a desirable requirement. However, Applicants who have not qualified in GATE/equivalent national level test are also eligible to apply.</p>
Salary	Rs.31,000/- + 16% HRA per month for GATE candidates; For Non-GATE Candidates Rs. 25,000+16% HRA per month	
Job Description	<ul style="list-style-type: none"> <li>• Expertise on Design of Nanophotonic Devices, Modeling and Simulation analysis using Photonic CAD tools such as Rsoft, Lumerical etc</li> <li>• Simulation, Fabrication and Experimental verification of the Nanophotonic Devices</li> <li>• Purchase of equipment and components for the project</li> <li>• Documentation of results.</li> </ul>	
Duration of Project	36 Months (Tenure extension based on fund availability, and performance review every 12 months)	

- The application should be submitted only in the prescribed format.
- Mere full filling 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.
- The selection committee decision is final. If any applicant is found to canvass in any manner, the candidate selection shall be summarily rejected.
- Eligible candidates may send the scanned copy of their duly filled applications (only in the prescribed format given below) along with the relevant supporting documents (as a single PDF) and their **latest resume** by email to: [thavasi@nitt.edu](mailto:thavasi@nitt.edu), [g.thavasiraja@gmail.com](mailto:g.thavasiraja@gmail.com) with the subject marked as “**JRF Application**” hqt" FUV/SERB CRG PROJECT" \*PKVV1 GEG1 I VT1ET I 142431225868+ - <Your Name>”.
- Eligible candidates must also fill the application through online link given below.

<https://forms.gle/ppC9mPeBqsuqctkGA>

**Scanned copy of the filled application form and relevant certificates in .pdf format should be uploaded.**

- Preference will be given to the candidate who is having good academic record, research potential, and relevant experience. However, the selection of the candidate would be based on their performance in the Interview.
- The date of written test/interview, and mode of interview will be communicated to the shortlisted candidates by **E-mail**.
- No T.A/D. A will be paid for attending the interview.
- **Age of the applicant less than 35 years as on the closing date of application is preferable.**
- **The candidate selected as Junior Research Fellow, will be permitted to register for Ph.D. Programme as per NITT rules and regulations.**
- The last date for receipt of applications is till **08.03.2022, 11:59 PM**.

**Dr. G Thavasi Raja (Principal Investigator)**

Assistant Professor,

Department of Electronics and Communication Engineering  
National Institute of Technology, Tiruchirappalli – 620015.

**Email:** [thavasi@nitt.edu](mailto:thavasi@nitt.edu), [g.thavasiraja@gmail.com](mailto:g.thavasiraja@gmail.com)

**OFFICE OF THE DEAN (R & C), NIT, TRICHY**  
**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 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 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 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, Trichy.

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)