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**

<table>
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<tr>
<th>Position</th>
<th>No of vacancy</th>
<th>Essential Qualification</th>
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<tbody>
<tr>
<td>JRF</td>
<td>01</td>
<td>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 ≥ 6.5/10) in UG and PG.</td>
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<td>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.</td>
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**Salary**

- Rs.31,000/- + 16% HRA per month for GATE candidates;
- For Non-GATE Candidates Rs. 25,000+16% HRA per month

**Job Description**

- Expertise on Design of Nanophotonic Devices, Modeling and Simulation analysis using Photonic CAD tools such as Rsoft, Lumerical etc
- Simulation, Fabrication and Experimental verification of the Nanophotonic Devices
- Purchase of equipment and components for the project
- Documentation of results.

**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, g.thavasiraja@gmail.com with the subject marked as “JRF Application for DST-SERB CRG PROJECT (NITT/ECE/GTR/CRG/2021/003646) - <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, 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)

For Office Use only
Serial Number allotted to the Applicant ..........................................................

Signature of the Application Screening Committee Chairman

Paste here your recent passport size colour Photograph

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

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<tr>
<th>Name of Exam</th>
<th>School / University</th>
<th>Board / University</th>
<th>Broad subjects of study</th>
<th>Year of Passing</th>
<th>% of marks / GCPA</th>
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<td>Any other</td>
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Enclose self-attested Xerox copies
12. GATE Score ..................................Subject
...........................................Year.................................................................

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

14. Work Experience, if any

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<th>Organization</th>
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<th>Nature of Job</th>
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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

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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)