

FILE NO. SRG/2021/001406

09-02-2023

ADVERTISEMENT

Applications are invited from eligible candidates for the position of **Junior Research Fellow (JRF)** for the **Science & Engineering Research Board (SERB)** project titled “**Orthogonal Time Frequency Space Modulation based Index Modulation for 6G Communication Systems**” 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 & Communication Engineering and M.E/M.Tech or equivalent in Signal Processing/Communication System/Wireless Communication with a minimum of 60% (or above) aggregate marks (CGPA \geq 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	<p>Rs. 31,000/- + 16% HRA per month (for candidates with a valid GATE / equivalent national level test score)</p> <p>Rs. 25,000/- + 16% HRA per month (for candidates without a valid GATE /equivalent national level test score)</p>	
Job Description	<ul style="list-style-type: none"> • Study of Orthogonal Time Frequency Space (OTFS) modulation and Index Modulation (IM). • Conception and simulation of novel system models involving IM in OTFS modulation. • Performance analysis of the system models. • Documentation of results. 	
Duration of the position	12 Months (tenure extension based on fund availability, and performance review every 12 months)	

- The application should be submitted only in the prescribed format.
- 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.
- 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: mahswrn.nitt@gmail.com, mahes@nitt.edu with the subject marked as “**JRF Application-SERB SRG PROJECT - <Your Name>**”.
- Eligible candidates must also fill the application through online link given below.

<https://forms.gle/rCYu8LyEYGxhDTf88>

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 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.
- The selection committee decision is final. If any applicant is found to canvass in any manner, the candidate selection shall be summarily rejected.
- Selected candidates are expected to join immediately.
- **Age of the applicant less than 30 years as on the closing date of application is preferable**
- The last date for receipt of applications is till **05.03.2023, 11:59 PM**.

Dr. P. Maheswaran (Principal Investigator)

Assistant Professor,

Department of Electronics and Communication Engineering

National Institute of Technology, Tiruchirappalli – 620015.

Email: mahswrn.nitt@gmail.com, mahes@nitt.edu

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

For Office Use only Serial Number allotted to the Applicant Signature of the Application Screening Committee Chairman	Paste here your recent passport size color Photograph
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APPLICATION FOR THE POST OF RESEARCH ASSISTANT / JRF

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					
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)