

## ADVERTISEMENT FOR RECRUITMENT OF JUNIOR RESEARCH FELLOW

NITT/DST/SERB/CRG/2021/005521

03-03-2022

Applications are invited from Indian Nationals only for Project Positions as per the details given below, (for consultancy / research projects, under the principal investigator **Dr. M.P. Selvan, Associate Professor/EEE at National Institute of Technology Tiruchirappalli-15, Tamil Nadu.**

1.	<b>Title of the Project</b>	Development of Metal 3D Printed Lightweight Flywheel and Novel Control Algorithm for Micro-grid Energy Storage Applications
2.	<b>Funding agency for the Project specimen</b>	DST SERB (File No. CRG/2021/005521)
3.	<b>Project Position &amp; Number</b>	Junior Research Fellow – 01
4.	<b>Qualification</b>	M.E./M.Tech. in relevant branch of Electrical and Electronics Engineering with minimum 70% or 7.5 CGPA from a recognized university / institute and a valid GATE score. Age should be less than 27 years. <b>OR</b> B.E./B.Tech. in Electrical and Electronics Engineering with minimum 70% or 7.5 CGPA from a recognized university / institute and a valid GATE score. Age should be less than 27 years.
5.	<b>Emoluments</b>	Rs. 31,000 + HRA per month for 1 <sup>st</sup> and 2 <sup>nd</sup> Year and Rs. 35,000 + HRA per month for the 3 <sup>rd</sup> Year
6.	<b>Duration</b>	36 months (Extension based on performance review after every 12 months)
7.	<b>Job Description</b>	1. Modelling and design of Flywheel Energy Storage System. 2. Purchase of equipment and inventories for the project. 3. Implementation of the real time microgrid with FESS and testing its features. 4. The candidate selected as Junior Research Fellow, will be permitted to register for PhD/MS programme as per NITT rules and regulations subject to satisfying the admission procedure.

- A. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
- B. Candidates desiring to appear for the Interview should submit their applications with the following documents to the Office of the Principal Investigator through Registered/ Post addressed to **Dr. M.P. Selvan, Associate Professor/EEE, NIT Tiruchirappalli, Tamil Nadu - 620015** with “**JRF–DST/SERB/CRG/2021/005521**” mentioned on the cover:
  - Filled in application should be furnished in the prescribed format.
  - Self-attested copies of marksheets, degree certificates and experience certificate.
- C. The soft copy of the application should be sent to [jrfcee2022mps@gmail.com](mailto:jrfcee2022mps@gmail.com) on or **before 03<sup>rd</sup> April 2022.**
- D. The duly filled-in hard copy of the application along with copies of certificates should reach us before **4:00 pm on 08<sup>th</sup> April 2022** in the prescribed format.
- E. The shortlisted candidates will be intimated about the interview **only through e-mail**. The interview for the shortlisted candidates will be held in EEE department, NIT Tiruchirappalli.
- F. Candidates shall bring along with them the original certificates at the time of interview for verification.
- G. Please note that No TA/DA is admissible for attending the interview.
- H. The decision of the selection committee is final. Canvassing in any form leads to rejection of the candidature.

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

*(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 JUNIOR RESEARCH FELLOW**

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..... **(Copy of GATE Score card should be attached)**

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 Tiruchirappalli.

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)