



**DEPARTMENT OF ELECTRICAL ENGINEERING**  
**NATIONAL INSTITUTE OF TECHNOLOGY, RAIPUR**

**Phone: 0771-2254200, Fax: 0771 – 2254600**

**ADVERTISEMENT NO: NITRR/EED/2024/1003**

**Dated: 19/01/2024**

**ADVERTISEMENT FOR THE POST OF JUNIOR RESEARCH FELLOW (JRF)**

Applications are invited from Indian citizens in the given format for **01 (one)** position of JRF in the **Department of Electrical Engineering, NIT Raipur**, Raipur (Chhattisgarh), India. The details are mentioned below.

<b>Project title</b>	<b>Development of Intelligent Controllers for Back-EMF-Based Position Sensorless Brushless DC Motor Drives Employed in Solar Photovoltaic Water Pumping Systems</b>
<b>Sponsoring agency</b>	Science and Engineering Research Board (SERB), Govt. of India
<b>Position Title</b>	Junior Research Fellow (JRF)
<b>Project Duration</b>	2.5 Years (28/01/2022 to 27/07/2024) (Initially for 06 months)
<b>Number of position</b>	One (01)
<b>Essential Qualification</b>	<p>Graduate/Post Graduate degree in Electrical Engineering/ Electrical and Electronics Engineering/ Power Electronics/ Electrical Machines and Drives/ Power System/ Energy System or relevant specialization, selected through a process described in any one of the following:</p> <ul style="list-style-type: none"><li>• Scholars who are selected through GATE and National Eligibility Tests-CSIR-UGC NET including lectureship (Assistant Professorship).</li><li>• The selection process through National level examinations conducted by MoE and its Agencies and Institutions such as UGC/IIT/IISc./IISER/IIIT etc.</li></ul>
<b>Emoluments</b>	Rs. 31,000/- per month + HRA (as per institute norms).
<b>Application Procedure</b>	<p>Interested applicants may send, with the duly filled application form (<b>Annexure-I</b>), mark sheets/ certificates/ other relevant supporting documents and CV to <b><u>rkumar.ee@nitrr.ac.in</u></b> on or before <b>31<sup>st</sup> Jan. 2024</b>. <b>The eligible candidates will be interviewed on 02<sup>nd</sup> Feb. 2024 in Hybrid mode.</b></p> <p>In case of any query, contact <b>Dr. Rajan Kumar (PI)</b> at +91-8882745466.</p> <p><i>(Selected candidates may be encouraged to enroll for Ph.D. at NIT Raipur as per rules and regulations of NIT Raipur)</i></p>

**Terms and Conditions:**

1. Candidates before applying for the post shall ensure that they are eligible for the position they intend to apply.
2. No TA/DA is permissible for appearing in the interview and joining in case of selection.
3. Only eligible candidates will be permitted to appear in the interview. The eligible candidates will be informed through mail.
4. The position is temporary and initially for six months.
5. The applicant will be responsible for the authenticity of information, other documents and photographs submitted.
6. The appointment shall be co-terminus with the project and will be governed as per the terms and conditions of SERB, India and NIT Raipur.
7. The Institute reserves the right to cancel the recruitment without assigning any reason.

**Dr. Rajan Kumar**  
Principal Investigator  
Assistant Professor (Grade-I)  
Department of Electrical Engineering  
NIT Raipur-492010, Chhattisgarh



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**APPLICATION FOR THE POST OF JUNIOR RESEARCH FELLOW (JRF)**

*(Enclose a signed copy of bio-data/ resume/ curriculum-vitae)*

- 1. Name of the candidate:**
- 2. Father's name:**
- 3. Date of birth (DD/MM/YYYY):**  
*(Enclose the proof of date of birth)*
- 4. Gender:** Male/ Female
- 5. Marital status:** Single/ Married
- 6. Category:** Open/OBC-NCL/SC/ST/PwD
- 7. Address for correspondence:**  
*(Also write mail ID and phone number)*
- 8. Educational qualifications:**  
*(Enclose the mark sheets / certificates)*

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Degree	Specialization/ Branch	Board/ Institute/ University	Year of passing	Class/ Division	Percentage/ CGPA
10th					
12th					
B.E./B.Tech.					
M.E./ M.Tech.					
Ph.D.					
Any Other					

- 9. GATE/ NET/ National Level Examination:**  
*(Enclose the score card)*

S.N.	Branch	Year Qualified	Valid up to	Score and Rank

**10. Research/Industrial/Teaching experience (if any)***(Enclose the experience certificate)*

S. No.	Organization	Position	Date of Joining (DD/MM/YYYY)	Date of Leaving (DD/MM/YYYY)	Months/Years of Experience

**11. Research Publications (if any)** *(Enclose the first page of journal/conference papers)***12. Any other relevant information** *(Enclose proof)***DECLARATION**

I .....hereby declare that particulars supplied by me and the entries made in this application form are correct to the best of my knowledge and belief. In the event of the information being found incorrect or any ineligibility being detected before or after the selection, my candidature is liable to be cancelled. If selected for the post, I promise to abide by the rules and regulations of NIT Raipur and instructions issued by SERB from time to time.

Date:

Place:

Name and Signature of Applicant