

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE  
DEPARTMENT OF ELECTRICAL ENGINEERING**

Dated: 10/03/2026

**ADVERTISEMENT TO FILL UP PROJECT POSITIONS\***

Applications are invited from Indian nationals only for project position(s) as per the details given below for the research project under the Principal investigator: **Dr. Satish Shamsundar Belkhode, Department of Electrical Engineering, Indian Institute of Technology Roorkee, and Co-PI: Dr. Avinash Kumar, Department of Electrical Engineering, Indian Institute of Technology Roorkee.**

1. Title of project: **Design, Control, and Implementation of Active Current Source Gate Drivers for Wide Bandgap Device-Based Power Electronic Converters in Fusion Reactor Applications**
2. Sponsor of the project: **Department of Atomic Energy (DAE), BRNS, Mumbai.**
3. Project position(s) and number:

**Junior Research Fellow (JRF) and 1 number**

4. Qualifications: **Candidates that fulfil following qualification criteria are encouraged to apply for the position:**

A. Minimum of 4-year Bachelor's degree OR a Master's degree

B. Qualifying Degree Disciplines: Electrical or Electrical and Electronics Engineering or Equivalent disciplines.

C. Qualified in a national level test, such as- GATE / CEED / JEST / UGC-NET /CSIR-NET including lectureship (Assistant Professorship) / Ph.D. only. (Requirements of the national level tests such as GATE/NET is exempted for candidates having  $\geq 8.0$  CGPA in qualifying degree from the Ministry of Education funded Technical Institutions (erstwhile CFTIs of MoE))

5. Emoluments:

**JRF: Rs. 37,000/- p.m.+ HRA as per BRNS norms (for first two years) SRF: Rs. 42,000/- p.m. .+ HRA as per BRNS norms (for third year)**

6. Duration: **3 years (The selected JRF candidate will have the opportunity to register for the Ph.D. program at IIT Roorkee as per institute norms)**

7. Job description:

**Research on Active Current Source Gate Drivers for Wide Bandgap Device-Based Power Electronic Converters in Fusion Reactor Applications**

- A. Terms:

*S Paul*  
*10/03/26*

- a. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply. Qualifications for the position are mentioned in point 4.
- b. Preference will be given to OBC/SC/ST candidates on equal qualifications and experience.
- c. Candidates should also make themselves familiar with job description (Point 7) beforehand.
- d. Candidates desiring to appear for the Interview should submit their applications through the online form for which link and QR code is given below. Candidates will require following documents for filling the online form: i) Detailed CV including chronological discipline of degree/certificates obtained, papers published research experience, etc. ii) Copies of degree/certificate and experience certificate.

Form link: <https://forms.gle/nfA76KFuZwunpwpp8>



QR Code

The last date for application submission is **25th March 2026 by 5 PM**

- e. The interview will be held online. Date and time of interview along with meeting link will be communicated to the shortlisted candidates via email.
- f. Preference will be given to SC/ST candidates on equal qualifications and experience.
- g. The project positions start at the earliest possible, preferably by 1<sup>st</sup> April, 2026.

*Satish Belkhode*  
10/3/26

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APPROVED

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