



राष्ट्रीय प्रौद्योगिकी संस्थान जमशेदपुर NATIONAL INSTITUTE OF TECHNOLOGY JAMSHEDPUR

(An Institution of National Importance under MHRD, Government of India)

Department of Electrical Engineering

No: NIT JSR/DEE/202/2026

Date: 28/07/2026

Advertisement for Junior Research Fellow (JRF) Position

Applications are invited from eligible Indian nationals for the Junior Research Fellow (JRF) Position (One) for the ANRF-sponsored research project in the Department of Electrical Engineering. The details of appointment are given below.

Project Title	Design and Experimental Evaluation of Resonant Gate Driving in High-Efficiency GaN-Based Three-Phase Propulsion Drives for E-Mobility
Sponsoring Agency	Anusandhan National Research Foundation (ANRF)
Project File No.	ANRF/ARG/2025/010608/ENS
Temporary Positions	Junior Research Fellow (JRF) for 01 year initially, and extendable up to 27 Months or completion of the project, whichever happens, earlier solely based on the performance.
Number of positions	01 (One)
Essential Qualification	B.Tech. and M. Tech. or equivalent degree in Electrical Engineering or equivalent with First class (6.5 grades point out of 10) or 60% marks.
Desirable	GATE qualification is desirable. Preference will be given to candidates specializing in Power Electronics and Drives, Electrical Machines and Drives, or equivalent disciplines, with knowledge of SiC and GaN wide-bandgap semiconductors, gate driver design and analysis, and electric vehicles.
Fellowship	1 st and 2 nd year: Rs. 37,000/- per month +HRA, 3 rd year: Rs. 42,000/- per month +HRA
Nature of Job	Analysis, simulation and experimental work on driving circuit for wideband gap semiconductor devices and inverter design.
Last date for receipt of Online Application	16/09/2026
Project PI	Dr. Kundan Kumar Assistant Professor, Electrical Engineering Department National Institute of Technology Jamshedpur

Important Instructions:

1. Candidate possessing the requisite qualification and experience should apply in the attached format. Last date for application submission is **16.09.2026**.
2. The duly filled up application form along with self-attested supporting documents (GATE score card, all the marksheets and degree certificates, proof of work experience if any) (in a single PDF file) must be sent to kundan.ee@nitjsr.ac.in. The subject of the email should be “**Application for JRF in EE Department for ANRF Funded Project _Applicant Name**”.
3. Mere possession of minimum qualification does not guarantee invitation to the interview. Candidates will be shortlisted based on merit and need of the project. Only shortlisted candidates will be communicated to appear in the interview and no other communication in this regard will be entertained.
4. The decision of the interview panel remains binding and no further communication will be entertained in this regard.
5. The short-listed candidates for interview will be intimated only through emails. No TA/DA shall be paid to candidates for attending the interview and/or joining the position.
6. The list of shortlisted candidates and date for interview (online/in-person) will be notified later.

Last Date to submit application form along with self-attested relevant documents is 16th Sep. 2026.

For any further information, please contact:

Dr. Kundan Kumar

Assistant Professor, Department of Electrical Engineering

NIT Jamshedpur, Email: kundan.ee@nitjsr.ac.in, WhatsApp: +91-9006058445



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Application form for the post of JRF in ANRF Sponsored Project
(Project File No.: ANRF/ARG/2025/010608/ENS)

Photo
Self
Attested

Name			
Father's Name			
Permanent Address			
Communication Address			
Email			
Mobile		Telephone (with STD code) Res. No.	
Date of Birth and Age			
Gender		Marital Status	
Category		Percentage of Disability of PWD candidate	

Academic Career Record starting with 10th (Upload certificates/marks sheet)

Degree	Year and Date of Completion	Specialization	Board/University	Class/Division	Marks/CGPA Obtained	Max Marks/CGPA	Percentage/CGPA
10 th							
12 th							
UG							
PG							
PhD							
Any other							

Gate Passing Details

Score	Percentile	Marks	Passing Year

M. Tech. /M. E. Equivalent Dissertation Title:

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Employment Details

Employer	Position Held	Date of Joining	Date of Leaving	No. of Yrs	Gross Pay

Publication/Conference/Workshop Details

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Motivation and Suitability for the advertised position (150 to 200 words)

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Name and Address of two References

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Any other relevant information

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I hereby declare that the entries in this form are true to the best of my knowledge and belief. I understand that my candidature will be cancelled if any of the information is found to be false or incorrect. Further, if selected, I will abide by the rules and regulations of the institute and ANRF and also the directions given to me from time to time.

Place:

Date:

Signature of the candidate