



राष्ट्रीय प्रौद्योगिकी संस्थान वरंगल
NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL
(शिक्षा मंत्रालय, भारत सरकार के अधीन राष्ट्रीय महत्व का एक संस्थान)

(An Institute of National Importance under Ministry of Education, Govt. of India)

तेलंगाना / Telangana – 506004, India.

ADVERTISEMENT FOR JUNIOR RESEARCH FELLOW (JRF) RECRUITMENT

Project title	Development of PV-Battery Powered Quasi Z-Source Inverter Fed Five-Phase Interior-Permanent Magnet Synchronous Motor Drive for Hybrid Electric Vehicle
Sponsoring agency	Anusandhan National Research Foundation (ANRF), GoI
Position title	Junior Research Fellow (JRF)
Duration (in years)	3 Years
Number of position(s)	One
Essential qualification	Essential: The candidate must have obtained First Class with a minimum of 60% aggregate marks or a CGPA of at least 6.5 on a 10-point scale in both: 1. B.Tech/BE in Electrical Engineering/ Electrical and Electronics Engineering 2. MTech/ME in Power Electronics/ Power Electronics and Drives, Electric Vehicle, Electric Transportation or any other specialization closely aligned with Power Electronics and Drives or a related field relevant to the project. 3. The candidates must have a GATE qualification.
Desired qualifications	▪ Candidate should have experimental knowledge in the hardware/control design of power converters. ▪ Familiarity with MATLAB, PLECS, PSIM, PCB Design Software and DSP/FPGA Controller. ▪ Good analytical ability and competent in report writing.
Age limit	30 years
Age relaxation	As per norms and guidelines of the Institute
Emoluments	37,000/- pm for first 2 years and 42,000/- pm for third year.
HRA/ Accommodation	HRA as per institute rules
Job nature	Simulation and Hardware based study
Other benefits	The selected candidate is eligible to register for PhD degree at NIT, Warangal.
How to apply?	The proforma of the application is attached to this advertisement. A soft copy of the filled application with supporting documents has to be sent to email: kiruba81@nitw.ac.in and also upload in the Google form: https://forms.gle/dCoGzSG7mbu9ABqWA
Submission mode	soft copy
Last date to apply	14/08/2026 @ 11.59pm
Whom to contact?	Dr. A. Kirubakaran, Professor, Department of Electrical Engineering, National Institute of Technology Warangal – 506 004 Telangana State, India Contact no: +91 9603722359
Contact Email ID	kiruba81@nitw.ac.in
Please note: ○ The position is purely temporary ○ Please enclose a brief resume/ curriculum vitae/ bio-data along with the application form ○ PI Team may put higher cut-off for shortlisting the candidates based on the applications received ○ List of eligible candidates will be announced on the institute website/intimated via email or phone. ○ Shortlisted candidate will have to attend an interview in OFFLINE mode only. ○ No TA/DA will be paid for attending the interview.	

APPLICATION FOR THE POSITION OF JUNIOR RESEARCH FELLOW (JRF)
Development of PV-Battery Powered Quasi Z-Source Inverter Fed Five-Phase Interior-Permanent
Magnet Synchronous Motor Drive for Hybrid Electric Vehicle
Advt. No. NITW/EE/2026/AK/ANRF/2

(Please enclose a copy of bio-data/ resume/ curriculum-vitae)

1. **Name of the candidate**
2. **Father's name**
3. **Date of birth (DD/MM/YYYY)***
4. **Sex** Male/ Female
5. **Marital status** Single/ married
6. **Category*** OC/OBC/SC/ST
7. **Educational qualifications***

Degree	Specialization/ subjects	Board/ University	Year of passing	Class	Percentage/ CGPA
SSC					
Intermediate					
B.Sc./ B.E./B.Tech					
M.Sc./ M.Tech.					

8. GATE/ NET/ ICMR/ DBT-SRF score earned/ qualified (If Any)

Score	Year appeared	Score	All India rank
GATE/ NET/ mention			

9. Research/Industrial/Teaching experience*

S.No.	Organisation/ industry served	Date/ Month of entry	Date/ Month of leaving	Months/ Years of experience

10. Publications/ conference participations*

11. Any other relevant information

Declaration

I hereby declare that all statements made in this application are true, complete and correct to the best of my knowledge and belief. In the event of the information being found false or incorrect or any ineligibility being detected before or after the selection, my candidature is liable to be cancelled. I confirm, that I am available for ONLINE interview, if necessary.

Date:

Signature of the candidate

* Submit soft copies of the supporting documents