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.

No. NITW/SRIC/RS35051/2026 09th November, 2026

ADVERTISEMENT FOR JUNIOR RESEARCH FELLOW (JRF) RECRUITMENT
ARG-JBG Project

Project title	Development of a Smart Next-Generation PV-Integrated Bidirectional EV Charging System for G2V/V2G Operation in Grid-Interactive Microgrids
Sponsoring agency	Anusandhan National Research Foundation (ANRF)
Position title	Junior Research Fellow (JRF)
Duration (in years)	Three years or till the closure of the project whichever is earlier. Performance evaluation will be done each year.
Number of position(s)	One
Essential qualification	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 or Electrical and Electronics Engineering, and 2. M.Tech./M.E. in Power Electronics/ Energy Systems/ Electric Vehicle Technology/ or any other closely related specialization relevant to the project. Preference will be given to GATE qualified candidates (but not essential) Non-GATE candidates will be required to clear the Institute PhD entrance examination to continue receiving the JRF fellowship.
Desired qualifications	Applicants should have a strong background in Power Electronics. Familiarity with simulation tools such as MATLAB/Simulink and Hardware-in-the-Loop (HIL) simulation platforms, including OPAL-RT and dSPACE controllers, will be an added advantage. Preference will be given to candidates with hands-on experience in power electronic converters for renewable energy systems and EV charging applications.
Age limit	30 years
Age relaxation	As per norms and guidelines of the Institute
Emoluments	Rs. 37,000 per month for the first two years and Rs. 42,000 per month for the third year
HRA/ Accommodation	20% of monthly Emoluments (No HRA if hostel accommodation is given)
Job nature	Development, modelling, simulation, and experimental validation of a smart PV-integrated bidirectional EV charging system supporting G2V/V2G operation, power flow management, and intelligent energy management in grid-interactive microgrids.
Other benefits	The selected candidates are eligible for the PhD degree at NIT Warangal, as per the institute rules. However, s(he) needs to apply for a PhD position when the advertisement opens.
How to apply?	The proforma of the application is attached to this advertisement. A soft copy of the filled application form with supporting documents (as a single PDF) has to be upload in the Google form: https://docs.google.com/document/d/182vMeVGxy1yF8ZlkQe4EG-zGHg4vMpLhl6i0xb-yF_4/edit?usp=sharing
Submission mode	Online
Last date to apply	09/12/2026 @11.59pm
Whom to contact?	Prof. Bidyadhar Subudhi, Professor, Department of Electrical Engineering, National Institute of Technology Warangal, Telangana – 506 004
Contact Email ID	bidyadhar@nitw.ac.in vrn@nitw.ac.in

Please note:

- The position is purely temporary
- Please enclose a brief resume/ curriculum vitae/ bio-data along with the application form
- List of eligible candidates will be announced on the institute website and intimated via email or phone.
- Shortlisted candidate will have to attend an interview in OFFLINE/ONLINE mode.
- No TA/DA will be paid for attending the interview

APPLICATION FOR THE POSITION OF JUNIOR RESEARCH FELLOW (JRF)

Development of a Smart Next-Generation PV-Integrated Bidirectional EV Charging System for G2V/V2G Operation in Grid-Interactive Microgrids

Advt. No. NITW/EE/2026/BS/ANRF-JBG/JRF

(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.E./B.Tech					
M.Tech.					
Ph.D.					

8. GATE score earned(qualified)*

Score	Year appeared	Score	All India rank

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, if applicable