



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
UNDER SPEED CONTROL TECHNIQUES FOR FIVE-PHASE PERMANENT MAGNET-ASSISTED
SYNCHRONOUS RELUCTANCE MOTOR (PMA-SynRM)**

Project title	Development of Advanced Speed Control Techniques for Five-Phase Permanent Magnet-Assisted Synchronous Reluctance Motor (PMA-SynRM)-Powered Electric Vehicles to Reduce Torque Ripples, Ensuring Smoother Operation and Enhanced Efficiency
Sponsoring agency	Anusandhan National Research Foundation (ANRF)
Position title	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	First class with not less than 60% aggregate (or) not less than 6.5 CGPA on a 10 point scale in B.Tech/BE in Electrical Engineering / Electrical and Electronics Engineering and First class with not less than 60% aggregate (or) not less than 6.5 CGPA on a 10 point scale in M.Tech in the specializations of Electrical Drives/ Power Electronics / Industrial Drive and Control/ Electrical Engineering. The candidate must have M.Tech through GATE (or) a valid GATE score. GATE Qualification is required
Desired qualifications	Prior knowledge in power electronics and motor control Mathematical model and simulations using MATLAB software.
Age limit	30 years
Age relaxation	As per norms and guidelines of the Institute
Emoluments	Rs. 37,000/- pm for the first 2 years and 42,000/- pm for the third Year.
HRA/ Accommodation	HRA as per institute rules.
Job nature	Analysis, design, simulation and experimentation of speed control techniques for the five-phase PMA-SynRM drive.
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 with supporting documents has to be sent to email: vinaykumar@nitw.ac.in and also upload in the google form: https://forms.gle/5HJzfXocBcyfDQPWA
Submission mode	soft copy
Last date to apply	20/04/2025 @ 11.59pm
Whom to contact?	Dr. T. Vinay Kumar, Assistant Professor, Department of Electrical Engineering, National Institute of Technology Warangal – 506 004 Telangana State, India Contact no: +91 9885281148
Contact Email ID	vinaykumar@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 mode only.
- No TA/DA will be paid for attending the interview

**APPLICATION FOR THE POSITION OF JUNIOR RESEARCH FELLOW (JRF)
UNDER SPEED CONTROL TECHNIQUES FOR FIVE-PHASE PERMANENT MAGNET-ASSISTED
SYNCHRONOUS RELUCTANCE MOTOR (P_{Ma}-SynRM)
Advt. No. NITW/EE/2025/TVK/P_{Ma}-SynRM/**

(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.					
Ph.D.					

8. GATE/ NET/ ICMR/ DBT-SRF score earned/ qualified*

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