



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	Enabling Fast Charging in Lithium-Ion Cells: Insights into Electrolyte Formulation and Interphase Chemistry
Sponsoring agency	Anusandhan National Research Foundation (ANRF) - Advanced Research Grant (ARG)
Position title	Junior Research Fellow (JRF)
Duration (in years)	36 months / 3 years
Number of position(s)	One
Essential qualification	<ul style="list-style-type: none">• Minimum academic eligibility: Aggregate 60% marks or CGPA of 6.5 on a 10-point scale for GEN/GEN-EWS/OBC-NCL candidates; minimum 55% marks or CGPA of 6.0 on a 10-point scale for SC/ST/PwD candidates, as applicable.• B.E. / B.Tech. in Metallurgical and Materials Engineering / Materials Engineering / Manufacturing Engineering / Chemical Engineering / Production Engineering / Mechanical Engineering and other relevant fields.• M.E. / M.Tech. or equivalent degree in Metallurgical and Materials Engineering and related specialisations.• M.Sc. in Chemistry or Physics.• GATE/NET qualification is not mandatory.
Desired qualifications	<ul style="list-style-type: none">• Candidates with prior interest or experience in battery technology, electrochemical testing, electrolyte formulation, and materials characterization will be preferred. Exposure to lithium-ion batteries, fast charging, electrode/electrolyte interphase chemistry, cell fabrication, and electrochemical data analysis will be advantageous.• Good analytical ability, scientific writing skills, and competence in report writing are desirable.
Age limit	Age: 30 years for GEN category, 33 years for OBC-NCL and 35 years for SC/ST/PwD/Female candidates
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	<ul style="list-style-type: none">• Conduct research related to lithium-ion cells, fast charging, electrolyte formulation, and interphase chemistry.• Carry out electrochemical testing and analysis of battery cells, as required by the project objectives.• Support materials characterization, experimental planning, literature review, report preparation, Journal paper writing, and research documentation.• Assist in preparing research outputs such as progress reports, presentations, manuscripts, and project-related documents.
Other benefits	The selected candidate is eligible to register PhD degree at NIT, Warangal.
How to apply?	<ul style="list-style-type: none">• Interested candidates should send a single PDF file, preferably less than 15 MB, containing the filled application form/proforma, brief resume/curriculum vitae/bio-data, and all supporting documents.• The application should be sent by email to: sanghamitram@nitw.ac.in• Suggested email subject: Application for JRF Position – ANRF_ARG Fast Charging of Li-ion Project
Submission mode	Soft copy
Last date to apply	15/06/2026 @5.00 pm
Whom to contact?	Dr. Sanghamitra Moharana Assistant Professor

	Department of Metallurgical and Materials Engineering NIT Warangal Email: sanghamitram@nitw.ac.in Phone: +91 7788980274
Contact Email ID	sanghamitram@nitw.ac.in
Please note: <ul style="list-style-type: none">○ The position is purely temporary and is co-terminus with the project or as per project requirements.○ Please enclose a brief resume/curriculum vitae/bio-data along with the application form and supporting documents.○ The list of eligible/shortlisted candidates will be announced on the Institute website and/or intimated via email or phone.○ Shortlisted candidates will be required to attend the interview in offline mode. However, an online interview arrangement may be considered only under special circumstances, subject to prior approval.○ No TA/DA will be paid for attending the interview.	

APPLICATION FOR THE POSITION OF JUNIOR RESEARCH FELLOW (JRF)
Design, optimized dimensions and prototype of a solar vortex engine with energy storage
system for electrical energy generation
Advt. No. NITW/Mech/2026/VPCM/ANRF/1

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

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

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

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

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

10. Research/Industrial/Teaching experience*

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

11. Publications/ conference participations*

12. Mail id and mobile number:

13. Any other relevant information, including prior battery-related research:

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