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.

Department of Mechanical

Advertisement for JRF recruitment under a research project

Project title	Computational and machine learning assisted discovery of high-performance materials for battery applications
Sponsoring agency	Anusandhan National Research Foundation (ANRF), Prime Minister Early Career research grant (PMECRG) program
Position title	Junior Research Fellow (JRF)
Duration (in years)	3 Years
Number of position(s)	One
Emoluments	Candidate who are selected through National Eligibility Test (CSIR UGC NET or GATE) • 37,000+HRA (1st and 2nd Year) • 42,000+HRA (3rd Year, upon successful assessment and upgradation to SRF) Candidate without National Eligibility Test (CSIR UGC NET or GATE) • 30,000+HRA (1st and 2nd Year) • 33,000+HRA (3rd Year, upon successful assessment and upgradation to SRF)
Age limit	30 years
Age relaxation	The upper age limit is relaxable by up to 5 years for SC/ST/OBC, women, and persons with disabilities.
Essential qualification	**Essential:** M.Tech/B.Tech/M.Sc in Mechanical Engineering, Production Engineering, Manufacturing Engineering, Aerospace Engineering, Materials Engineering, Materials Science/ Metallurgical Engineering, Computaional materials science, Nanotechnology, Computational Science, physics from recognized university or equivalent with first class degree **Desirable:** • Hands-on experience in python, DFT calculation using VASP, MD simulation using LAMMPS, and Machine learning • Experience with Linux environment, shell scripting and high-performance computing systems • Good technical writing skills. • Ability to work both independently and collaboratively
Desired qualifications	Candidates have experience in python, DFT calculation using VASP, MD simulation using LAMMPS, and Machine Learning, Linux environment, Shell scripting and high-performance computing systems will be preferred
HRA/ Accommodation	HRA will be provided as per institute rules. The selected candidate will also be eligible for on-campus hostel and mess facilities, subject to availability.
Job nature	The candidate will engage to perform DFT calculation using HPC or Local server. Generation of data for developing Machine learning interatomic potential. And Performing MD simulation and writing research papers.
Other benefits	The selected candidate will be eligible to register for a Ph.D. degree at NIT Warangal as per the institute rules. However, they must apply for the Ph.D. program when the official advertisement is released.
How to apply?	Complete the application (as proforma attached/link provided) and submit via google form along with the Bio-data/CV (one page) and scanned copy of certificates in a single pdf file.
Submission mode	Google form link: https://forms.gle/P2urDjDnbnvyW3mt6
Last date to apply	08/08/2025 @11.59 pm
Whom to contact?	**Dr. Vijay Choyal** Assistant Professor, Department of Mechanical National Institute of Technology Warangal – 506 004 Telangana State, India
Contact Email ID	vijaychoyal@nitw.ac.in,

Please note:
- The position is purely temporary
- Please enclose a brief resume/ curriculum vitae/ bio-data along with the applications form
- List of eligible candidates will be announced on the institute website and also intimated through email or phone.
- Shortlisted candidate will have to attend an interview (ONLINE/OFFLINE)
- If interviews need to be conducted online, candidates are expected to have a good internet connection
- No TA/DA will be paid for attending the interview

The proforma of the application is attached to this advertisement. The editable template is also downloadable at the following link:

https://docs.google.com/document/d/1_iEvQyP1jGQQU2VJ_QURLaIugJo3rjTe/edit?usp=sharing&ouid=105770996979615137885&rtpof=true&sd=true

APPLICATION FOR THE POSITION OF JRF
Department of Mechanical
National Institute of Technology Warangal
(Please enclose a copy of bio-data/ CV and scan copy of certificates)

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/ Diploma					
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