NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL
ADVERTISEMENT FOR THE SELECTION OF JUNIOR RESEARCH FELLOW (Form – E-3)

Advertisement for JRF recruitment under a research project

Project title	How Pore Structure Controls SEI Formation and Sodium Storage in Hard Carbon
Sponsoring agency	International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Hyderabad
Position title	Junior Research Fellow (JRF)
Duration (in years)	2 years or till closure of the project whichever is earlier. Performance evaluation will be done each year.
Number of position(s)	1
Essential qualification	Category A: B.E./B.Tech in Chemical, Materials, Metallurgical, Mechanical or Energy Engineering (or a related engineering discipline). CGPA ≥ 7.5/10 or 70% (GEN/GEN-EWS/OBC-NCL) CGPA ≥ 7.0/10 or 65% (SC/ST/PwD) Valid GATE or CSIR-NET score preferable. Category B: M.Tech/M.E in Chemical, Materials, Metallurgical, Mechanical or Energy Engineering (or a related engineering discipline); or M.Sc. in Physics or Chemistry (or a closely related science relevant to molecular simulation / energy storage). Minimum 60% or 6.5 CGPA at UG & PG (GEN/GEN-EWS/OBC-NCL) Minimum 55% or 6.0 CGPA at UG & PG (SC/ST/PwD) Valid GATE or CSIR-NET score preferable.
Age limit	The maximum age limit is 28 years for the GEN/GEN-EWS category, 31 years for OBC-NCL, and 33 years for SC/ST/PwD/Female candidates. These limits are relaxable as per institute/funding-agency norms.
Desirable experience	Prior exposure to molecular simulation (molecular dynamics, Monte Carlo or DFT) or scientific programming (Python/C/C++, Linux) is an advantage but not essential. A keen interest in computational research and a willingness to learn matter most; the tools and methods will be taught.
Emoluments	₹37,000 per month + HRA as per norms (as per sanctioned project norms).
Job nature	The selected candidate will carry out atomistic/molecular simulation (molecular dynamics, Monte Carlo and DFT) of hard-carbon anodes – pore structure, SEI formation and sodium storage for sodium-ion batteries – together with the associated data analysis and visualisation.
Other benefits	The selected candidate may register for a PhD as per institute rules, by applying when PhD admissions are open.
How to apply?	Complete the application form(page 2) and send it by email along with latest CV/Resume to praveen@nitw.ac.in ; Use subject line of email: Application for JRF position
Submission mode	Soft copy / Email
Last date to apply	05/12/2026
Whom to contact?	Dr. Praveen Kumar Bommineni (Principal Investigator) Department of Chemical Engineering National Institute of Technology Warangal, Telangana, India Phone: 9652941841
Contact Email ID	praveen@nitw.ac.in

Please note:

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

APPLICATION FOR THE POSITION OF JRF UNDER ARCI-SPONSORED PROJECT

Advt. No. NITW/2026/CH/PKB/ARCI dated 18/11/2026

(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** :
5. **Marital status** :
6. **Category** : GEN/GEN-EWS/OBC-NCL/SC/ST/PwD
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.E/ M.Tech					

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, if any**

11. **Any other relevant information**

12. **Contact email and phone number**

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