



NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL
(An Institute of National Importance under Ministry of Education, Govt. of India)
Department of Physics
Telangana - 506004, India.

Ref.No.: NITW/PH/VJ/ANRF-ARG/RS36026/JRF-01

Date: 23/06/2026

ADVERTISEMENT FOR THE JRF RECRUITMENT

Project Title	Design, Synthesis, and Development of Multi-Stimuli Responsive Behavior of Liquid Crystal Elastomers for Soft Robotics and Smart Actuators with IoT-enabled Integration
Sponsoring Agency	<i>ANRF, Advanced Research Grant (ARG)</i> (File No.:ANRF/ARG/2025/001847/ENS)
Position Title	Junior Research Fellow (JRF)
Duration (in years)	03-year project
Number of Position(s)	One
Essential Qualification	M.Sc in Physics / Applied Physics / Material Science / Optoelectronics (or) M.Tech in Solid State Technology / Materials Science / Optoelectronics (or) M.Sc. (Tech) Eng. Physics Candidates with a Master's degree in the relevant discipline with a minimum of 60% aggregate marks or 6.5 CGPA at both UG and PG (wherever applicable) for GEN/ GEN-EWS/ OBC-NCL category and minimum 55% aggregate marks or 6.0 CGPA at both UG and PG for SC/ ST/ PwD category.
Desired Qualification	<ul style="list-style-type: none">• GATE / UGC / CSIR qualified candidates (or) M.Tech in Solid State Technology / Materials Science / Optoelectronics• Knowledge of material synthesis• Prior knowledge to work with ML/ IoT Algorithms• Programming skills in Python/ C++ will be added advantage• Good analytical ability and scientific writing skills are desirable
Emoluments and HRA/Accommodation	Rs. 37000/- per month for the first two years and Rs. 42,000/- per month for the 3 rd year + 20% HRA (No HRA if hostel accommodation is provided)
Job Nature	<ul style="list-style-type: none">• The selected JRF will be responsible for the synthesis, fabrication, characterization, and testing of multi-stimuli responsive liquid crystal elastomers for soft robotics and smart actuator applications.• The work will also involve actuation experiments, IoT-enabled device integration, data analysis, literature review, report writing, and assistance in project-related research activities.
Other benefits	The selected candidate is eligible to register for PhD degree at NIT Warangal as per institute's rules. However, he/she needs to apply for PhD position when the advertisement is open.
How to apply?	The application form is attached to this advertisement. Fill the form and email to jayalakshmiv@nitw.ac.in or sroy@nitw.ac.in along with Biodata/CV and a scanned copy of certificates in a single pdf file.
Submission mode	Soft copy
Last date to apply	19-07-2026
Whom to contact?	PI: Prof. V. Jayalakshmi Dept. of Physics NIT Warangal, Telangana – 506004 Phone Number: 8332969477 Co-PI: Prof. Sourabh Roy Head of the Department, Dept. of Physics NIT Warangal, Telangana – 506004 Phone Number: 8332969474
Contact Email ID	Jayalakshmiv@nitw.ac.in / sroy@nitw.ac.in

Please Note:

- This position is purely temporary and terminable at any time if the progress and conduct of the candidate is not satisfactory.
- 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 also intimated through email or phone
- Shortlisted candidate will have to attend an interview offline. However, an online interview may be considered only under special circumstances and subject to prior approval.
- Results awaited candidates can also apply with last semester/year aggregated marks.
- No TA/DA will be paid for attending the interview.

Application for the Position of JRF under the ANRF (ARG) project

Advt. No. _____ dated _____

(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/EWS/OBC/SC/ST
7. **Email Id** :
8. **Contact No.** :

9. Educational Qualifications

Degree	Specialization/ Subjects	Board/ University	Year of Passing	Class	Percentage/ CGPA
SSC					
Intermediate					
B.Sc. /B.Tech					
M.Sc./MTech					

10. NET/GATE / Equivalent Exam score earned/qualified

Exam	Year appeared	Score	All India Rank

11. Research/Industrial/Teaching Experience

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

12. Publications/Conference participation

13. Any relevant information

14. Declaration

I _____ hereby declare that all the statements made in this application are true, complete and correct to the best of my knowledge and belief. In the event of 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/Offline mode interview, if necessary.

Signature of the Candidate

Date: