



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 AN
AR&DB-DRDO GRANTS-IN-AID RESEARCH PROJECT**

Project title	Brillouin scattering mechanism-based DFoS sensors and its mathematical modeling to design and validate the sensors for SHM of the aircraft structures	
Sponsoring Agency	AR&DB, DRDO, Ministry of Defence	
Position Title	Junior Research Fellow (JRF)	
Duration (in years)	Three (03) years	
Number of position(s)	One (1)	
Essential qualification	• B.E/B.Tech in ECE with minimum marks of 60% (or 6 CGPA on a scale of 10). • M.E/M.Tech/MS in ECE (optics, or photonics, or allied specialization) with minimum marks of 60% (or 6 CGPA on a scale of 10). (Current second year M.E/M.Tech students can also apply). • The candidate preferably has a GATE score, whose dissertation work is in fiber optics, light scattering principles, fiber optics sensors, optical signal processing, an allied area, and is willing to work in structural health monitoring such as temperature and strain detection of aircraft structure.	
Desired qualification	• Good knowledge in fiber optics and photonics technology for sensing applications. • Preferably some knowledge for mathematical modelling of distributed fiber optic sensor with hands-on experience. • Knowledge in MATLAB/Optisystem/Photonics simulation software.	
Other Criteria	Preference also to be considered during selection who have experience from allied industries.	
Emoluments	• Rs. 37000 per month for the first two years • Rs. 42000 for the third year (HRA will be provided based on project and Institute norms)	
Age Relaxation	• As per norms and guidelines	
Job Nature	Execute the objectives of the Research Project.	
Other benefits	The selected candidates are eligible for the Ph.D. degree at NIT Warangal, as per the institute rules. However, s(he) needs to apply for a Ph.D. position when the advertisement opens, as per the norms.	
How to apply?	The proforma of the application is attached to this advertisement. Fill it and send to an email hsp@nitw.ac.in or sureshp@nitw.ac.in	
Submission mode	Soft copy through Email.	
Last date to apply	16.12.2025 11:59 PM	
Whom to contact?	Dr. HIMANSU SHEKHAR PRADHAN (PI) Assistant Professor Electronics and Communication Engineering National Institute of Technology Warangal. Warangal 506004, Telangana, India Phone No: 9437903184	Dr. P SURESH (Co-PI) Assistant Professor Mechanical Engineering National Institute of Technology Warangal. Warangal 506004, Telangana, India Phone No: 8248754482
Contact Email ID	hsp@nitw.ac.in or sureshp@nitw.ac.in	

Please note:

- ❖ The position is purely temporary
- ❖ Please enclose a brief resume/curriculum vitae/bio-data along with the application form
- ❖ A list of eligible candidates will be announced on the institute website and also intimated through email or phone
- ❖ The shortlisted candidate will have to attend an interview (online or offline)
- ❖ If the interview needs to be conducted online, candidates are expected to have a good internet connection
- ❖ No TA/DA will be paid to attend the interview

**APPLICATION FOR THE POSITION OF JRF POSITION UNDER ARDB-DRDO
GRANTS-IN-AID SPONSORED RESEARCH PROJECT**

(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					
BE/B.Tech					
M.Tech					

8. **GATE score earned/qualified**

Exam	Year appeared	Score	All India Rank
GATE			

9. **Research/Industrial/Teaching experience**

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

10. **Publications/conference participation**

11. **Any other relevant information**

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 an ONLINE interview if necessary.

Date:

Signature of the candidate