



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 ACCELERATED RESEARCH FOR 6G ECOSYSTEM - TTDF SCHEME/DoT**

<b>Project title</b>	Design and Development of an Analog Front End at 210-255 GHz for 6G Applications
<b>Sponsoring agency</b>	TTDF/DoT
<b>Position title</b>	JRF
<b>Duration (in years)</b>	Three years or till the closure of the project whichever is earlier. Performance evaluation will be done each year.
<b>Number of position(s)</b>	One
<b>Essential qualification</b>	B.Tech. in ECE with First class with > 85% or B.Tech. in ECE with First class with > 60% and M. Tech. in RF and Microwave or VLSI specialisation with first class. <b>GATE Qualification is required</b>
<b>Desired qualifications</b>	Knowledge of Cadence Virtuoso/ADS software, Schematic, Layout, LVS, DRC and GDSII. Design experience in low-noise amplifiers, downconverters, phase-locked loop circuits, and system-level design will be given preference
<b>Age limit</b>	30 years
<b>Age relaxation</b>	As per norms and guidelines of the Institute
<b>Emoluments</b>	Rs. 37,000/- pm
<b>HRA/ Accommodation</b>	HRA as per institute rules.
<b>Job nature</b>	Analysis, Design, and simulation of low-noise amplifiers, downconverters, phase-locked loop circuits, and system-level design using Cadence Virtuoso/ADS software and 3D EM software. Characterisation and testing of RF Tx and Rx ICs.
<b>Other benefits</b>	The selected candidates are eligible for the PhD degree at NIT Warangal, as per the institute rules. However, s(he) needs to apply for a PhD position when the advertisement opens.
<b>How to apply?</b>	The proforma of the application is attached to this advertisement. A soft copy of the filled application with supporting documents has to be sent to email: <a href="mailto:g.arun@nitw.ac.in">g.arun@nitw.ac.in</a>
<b>Submission mode</b>	soft copy
<b>Last date to apply</b>	<b>30/05/2025 @11.59pm</b>
<b>Whom to contact?</b>	Dr. Gande Arun Kumar or Dr. Gopi Ram or Prof. Patri Sreehari Rao Dept. of ECE, National Institute of Technology Warangal – 506 004 Telangana State, India Contact no: +91 9477304602
<b>Contact Email ID</b>	<a href="mailto:g.arun@nitw.ac.in">g.arun@nitw.ac.in</a> , <a href="mailto:gopi.ram@nitw.ac.in">gopi.ram@nitw.ac.in</a>

**Please note:**

- The position is purely temporary
- 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 intimated via email or phone.
- Shortlisted candidate will have to attend an interview (ONLINE/OFFLINE)
- If the Interview need to be conducted online, candidates are expected to have a good internet connection
- No TA/DA will be paid for attending the interview

**APPLICATION FOR THE POSITION OF JRF UNDER ACCELERATED RESEARCH FOR 6G ECOSYSTEM -  
TTDF SCHEME/DoT**

**Advt. No. NITW/2025/ECE/DoT-TTDF/Tx-Rx/02**

(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					
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

\* Submit soft copies of the supporting documents