



**NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL**  
(An Institute of Nation Importance)  
**Department of Electronics and Communication Engineering**  
(Form – E-3)

Ref. No: NITW/ECE/VN/SERB/2022

Date: 19/04/2022

**Advertisement for position of JRF recruitment under a research project**

<b>Project title</b>	Design and Optimization of Novel Negative Capacitance (NC) FET for Low-Power and High-Switching Applications
<b>Sponsoring agency</b>	Science and Engineering Research Board (SERB) Govt. of INDIA
<b>Position title</b>	Junior Research Fellow (JRF)
<b>Duration (in years)</b>	3
<b>Number of position(s)</b>	One
<b>Essential qualification</b>	B.E./ B.Tech/ in ECE (First Class) and M.E./M.Tech in ECE (First Class) with specialization in VLSI Technology or VLSI System Design or Microelectronics and VLSI or Equivalent with valid GATE Score
<b>Age limit</b>	28
<b>Age relaxation</b>	Upper age is relaxable up to 5 years for SC/ST/OBC/Women and Physically handicapped candidates.
<b>Desired qualifications</b>	Prior knowledge/ prior experience in Semiconductor Device Modeling, Physics of Nanoelectronic devices, Advanced MOS devices, Hands on experience of TCAD Tools, etc.
<b>Emoluments</b>	Rs. 31,000/- pm for the first 2 years and 35,000/- pm for the third year.
<b>HRA/ Accommodation</b>	HRA as per institute rules. The selected candidate is also eligible for on-campus Hostel & Mess facilities, subject to availability.
<b>Job nature</b>	Analytical modelling, Design, Simulations, Performance optimization of NCFET and NWFET, Publication of research articles
<b>Other benefits</b>	The selected candidates are eligible to register for PhD degree at NIT, Warangal as per institute rules. However s(he) needs to apply for PhD position when the advertisement is open.
<b>How to apply?</b>	The perform of application is attached with this advertisement. Complete and send to an email <a href="mailto:narendarv@nitw.ac.in">narendarv@nitw.ac.in</a>
<b>Submission mode</b>	Soft copy
<b>Last date to apply</b>	09/05/2022
<b>Whom to contact?</b>	<b>Name:</b> Dr. Vadthiya Narendar <b>Designation:</b> Assistant Professor <b>Department:</b> Electronics and Communication Engineering National Institute of Technology Warangal – 506 004 Telangana State, India
<b>Contact Email ID</b>	<a href="mailto:narendarv@nitw.ac.in">narendarv@nitw.ac.in</a>

**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 Interview need to be conducted online, candidates are expected to have good internet connection
- No TA/DA will be paid for attending interview
- Final semester students can also apply with NOC from the institute and last sem/year aggregated Marks

**APPLICATION FOR THE POSITION OF JRF POSITION UNDER SERB SPONSORED  
RESEARCH PROJECT**

**Advt. No. NITW/ECE/VN/SERB-JRF dated 11/04/2022**

(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.E./B.Tech					
M.E./ M.Tech.					
Ph.D.					

**8. GATE/ NET/ ICMR/ DBT-SRF score earned/ qualified**

Score	Year appeared	Score	All India rank
GATE			

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

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

**10. Publications:**

**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