



# DELHI TECHNOLOGICAL UNIVERSITY

Established by Govt. of Delhi vide Act 6 of 2009  
(FORMERLY DELHI COLLEGE OF ENGINEERING)  
BAWANA ROAD, DELHI-110042

Advertisement No. 02

Date: 24-08-2022

## Advertisement for the post of Junior Research Fellow (JRF)

Applications are invited from the Indian nationals for the following position as details are given below.

<b>Project Title</b>	Design and Development of Reconfigurable Silicon Nanowire Schottky Barrier Transistors for Biosensor Applications
<b>Sponsoring Agency</b>	Science and Engineering Research Board (SERB) Govt. of INDIA
<b>Principal Investigator</b>	Dr. Sumit Kale, Assistant Professor, Department of ECE, DTU Delhi
<b>Duration</b>	3 Years
<b>Number of Position</b>	One
<b>Essential Qualification</b>	B.E./B. Tech Degree in Electronics and Communications, Electrical Engineering, Electrical and Electronics Engineering with First Class and <b>GATE qualified.</b>  Or  M.E./M.Tech in the discipline of ECE, Electrical (Microelectronics/VLSI/Digital Design etc.) with a minimum of 60% marks or equivalent CGPA with <b>GATE qualified.</b>
<b>Age limit</b>	30 years
<b>Age relaxation</b>	The upper age is relaxed up to 5 years for SC/ST/OBC/Women and Physically handicapped candidates.
<b>Desired qualifications</b>	Prior knowledge of Nanoscale Device Simulation, Modeling, Fabrication Physics of nanoscale devices, and Hands-on experience of TCAD Tools.
<b>Monthly Emoluments</b>	Rs. 31,000/- + 24% HRA per month (as per SERB guidelines) for first 2 years Rs. 35,000/- + 24% HRA per month (as per SERB guidelines) for 3 <sup>rd</sup> year
<b>Job Description</b>	Design, Simulation, Modeling, and Fabrication of Silicon Nanowire Devices for Biosensor Applications
<b>How to apply?</b>	The proforma of the application form is attached in ANNEXURE-I. Fill it out completely and send it to an email at <a href="mailto:sumit.kale@dtu.ac.in">sumit.kale@dtu.ac.in</a> . Also, enclose a brief resume/CV with the application form.
<b>Last date to apply</b>	<b>10/09/2022</b>
<b>Terms and Conditions:</b> <ul style="list-style-type: none"><li>• The above positions are purely contractual for one year and can be extended based on performance.</li><li>• Shortlisted candidates and the date of the interview will be notified via email.</li><li>• An applicant has to ensure the authenticity of the information provided in support of the experience claimed, other documents, and photographs (ID Proof).</li><li>• Selected candidate encourage to join Ph.D.</li><li>• No TA/DA will be paid for appearing in the Interview.</li><li>• No-Objection certificate has to be submitted by the candidates who are already employed.</li><li>• Selected candidates will be informed via email.</li></ul>	

Dr. Sumit Kale  
Principal Investigator



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### APPLICATION FOR JUNIOR RESEARCH FELLOW

Recent Photo

1.	Name in full (in capital letters)			
2.	Father's Name			
3.	Mother's Name			
4.	Date of birth (Please attach true copy of certificate)			
5.	a) Marital Status:	b) Gender:		
6.	a) Permanent address:	b) Correspondence Address:		
	Phone No. (including STD code)	E-mail ID		
7.	Nationality			
8.	Category under which you are seeking reservation/relaxation			
9.	Were you at any time declared medically unfit; asked to submit your resignation; discharged or dismissed from Govt./PSU/ Autonomous Body or Private Service? If yes, give details in a separate sheet.	Yes/No		

**10. Details of Educational Qualification (from Secondary Level):**

Exam. Passed	Specialization	Board/University	Passing Year	Class/Division	% marks/ CGPA
10 <sup>th</sup>					
12 <sup>th</sup> /equivalent					
UG					
PG					
Others					
GATE /NET /Others					

**11. Details of employments:**

S.No.	Name and address of Employer	Designation	Pay-Scale	Dates		Brief description of duties	Reasons for leaving
				From	To		
1.							
2.							
3.							

**APPLICANT'S DECLARATION**

"I hereby declare that I fulfil the eligibility conditions to the post and that the statements made by me in form are true, complete and correct to best of my knowledge and belief."

Place:

Date:

Signature of Applicant  
Name: