



# राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली

## NATIONAL INSTITUTE OF TECHNOLOGY DELHI

(शिक्षा मंत्रालय, भारत सरकार के अधीन एक स्वायत्त संस्थान)

(An autonomous Institute under the aegis of Ministry of Education (Shiksha Mantralaya), Govt. of India)  
Plot No. FA7, Zone P1, GT Karnal Road, Delhi-110036, INDIA  
दूरभाष/Tele: +9111-33861000, 1001, 1005 फैक्स/ Fax: +9111-27787503,  
वेबसाइट/Website: [www.nitdelhi.ac.in](http://www.nitdelhi.ac.in)

Ref.: DST/ICD/BRICS/Call-5/3DBioPhoto/2023(G)

Date: 12.09.2024

### **WALK-IN INTERVIEW ON 20.09.2024 FOR THE POST OF JRF UNDER DST PROJECT**

Applications are invited from highly motivated and eligible candidates for the post of Junior Research Fellow (JRF) in the DST-sponsored research project. The details are as follows:

#### **Project Details:**

<b>Title of the Project</b>	<i>3D photonic bioprinting assisted by 2D materials for the new generation of biomedical devices</i>
<b>Project duration</b>	03 years
<b>Principal Investigator</b>	Dr. Anuj Kumar Sharma, Associate Professor (Physics) Department of Applied Sciences, National Institute of Technology Delhi

#### **Details of the Post:**

<b>Name of the Post</b>	Junior Research Fellow (JRF)
<b>Number of posts</b>	One (01)
<b>Monthly emoluments</b>	Rs. 37,000/- + 27% HRA
<b>Essential Qualifications</b>	M.Tech./M.E./M.S./M.Sc. degree in Physics/Instrumentation/Electronics/Biomedical Engineering/Applied Optics/Opto-electronics/equivalent streams in relevant areas with first class, with a qualified GATE score and/or CSIR-UGC NET.
<b>Desirable qualification</b>	<ul style="list-style-type: none"><li>• Good academic record and knowledge in the relevant area (2D materials, fiber optics, MATLAB/COMSOL/Python/other programming tools/computer languages, and machine learning) and prior work experience in the area of biosensors.</li><li>• Preference will be given to the candidate having related experience in the field of Bio-photonics.</li></ul>
<b>Job role and skill requirements</b>	<ul style="list-style-type: none"><li>• Research work on optical sensors/biosensors</li><li>• Photonic/Biomedical Device/sensor modelling</li><li>• MATLAB/Python Programming</li><li>• Good analytical ability and competency in technical writing skills.</li></ul>
<b>Nature of appointment</b>	It will be governed by the administrative rules and conditions of Research & Consultancy NIT Delhi / Institute norms.
<b>Other Benefits</b>	The selected candidate shall be encouraged to register for Ph.D. at NIT Delhi as per institute norms.
<b>Age Limit</b>	Not exceeding 28 years (for JRF) as of the date of the walk-in-interview.

	Age relaxation as per GoI norms.
<b>Date of Interview, Time &amp; Venue</b>	<b>20.09.2024, 11:00 AM</b> Department of Applied Sciences, Conference Room, Mini Campus, National Institute of Technology Delhi, Plot No. FA7, Zone P1, GT Karnal Road, Delhi-110036

#### **INSTRUCTIONS:**

1. No TA/DA is permissible for appearing in the interview and joining in case of selection.
2. The Candidates are advised to send their advance application with all supporting documents (single pdf) by email to [anujsharma@nitdelhi.ac.in](mailto:anujsharma@nitdelhi.ac.in)
3. The selected candidate shall be encouraged to apply and register for Ph.D. Programme of the Institute as per the prevailing norms. Preference may be given to candidates willing to pursue a Ph.D. degree at NIT Delhi.
4. The appointment will be purely a project-based temporary position as per the DST norms.
5. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of walk-in-interview for verification.
6. The applicant will be responsible for the authenticity of the information, other documents and photographs submitted.
7. The selected candidate will have to join the assignment immediately upon receipt of the offer letter.
8. The appointed candidate will be placed at the National Institute of Technology Delhi and the appointment will be made purely temporarily initially for one year and can be extended up to the completion of the project based on the performance. The contract will also include a one-month notice period wherein if the candidate selected wants to discontinue the project, he/she will have to inform the PI one month in advance and in case the PI is not satisfied with the performance of the candidate, he will need to inform the candidate one month before termination of contract.
9. Any queries related to the above post must be addressed to: Dr. Anuj K. Sharma, Associate Professor, Department of Applied Sciences, NIT Delhi, Delhi – 110036, Email: [anujsharma@nitdelhi.ac.in](mailto:anujsharma@nitdelhi.ac.in)



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### Application Form for the Position of JRF under the DST Project

Application for the post of .....

#### A. Personal Details:

1.	Name (in block letters):		Attach a Passport size Photograph
2.	Father's Name:		
3.	Date of Birth:		
4.	Gender:		
5.	Email Address:		
6.	Marital Status (Single /Married)		
7.	Contact Number (s):		
8.	Address for correspondence:		
9.	Permanent Address:		
10.	Category (Gen./OBC/SC/ST):		
11.	Aadhar Number		

**B. Educational Details:**

<b>Degree</b>	<b>Subjects</b>	<b>University/Institution</b>	<b>Year of passing</b>	<b>Grade or % of marks</b>
10 <sup>th</sup>				
12 <sup>th</sup>				
Undergraduate				
Postgraduate				
Other				

**C. Experience Details (Teaching/ Industry/ Research)**

(In reverse Chronological order i.e. starting with latest experience first)

<b>S. No.</b>	<b>Organization</b>	<b>Designation</b>	<b>Nature of Work</b>	<b>Duration</b>	<b>Salary</b>

**D. Details of GATE/NET Qualification**

<b>Qualification Year</b>	
<b>Discipline</b>	
<b>Score</b>	
<b>Rank</b>	
<b>Marks Obtained</b>	
<b>Validity upto</b>	

### E. Other Details

<b>Details of Professional Skills</b>	
<b>Title of project dissertation</b>	
<b>How the above position is helpful in meeting your career goal (Max 250 words)</b>	Attach a separate sheet
<b>Details of Research Publications (If any)</b>	Attach a separate sheet
<b>Any other relevant information</b>	
<b>References (Two)</b>  (Name of two referees who are familiar with your academic and research background)	<b>1.</b> _____  <b>2.</b> _____

### DECLARATION

I hereby declare that the above information is correct to the best of my knowledge and belief. I understand that my candidature will be cancelled if any information is found incorrect at any given period of time.

**(Signature of the applicant)**

**Date:**

**Name of the Candidate:**

**Place:**

**Note:**

1. Original Certificate with one copy to be brought at the time of Interview only.