



**Department of Electronics and Communication Engineering**  
**NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL**  
**Under Ministry of Education, Government of India**

Advt. No.: NITK/ ECE/01/DRDO/2022

Dated: 26/05/2022

**Advertisement for the Position of JRF Under DRDO Project**

Applications are invited from the interested candidates for the post of JRF to work on the R&D project titled “**Development of low phase noise optoelectronic oscillator with phase compensation approach for radar application**” supported by [Defence Research and Development Organisation - DRDO, Govt of India](#). The selected candidate will be appointed initially for one year (on contract) and the services will be extended for next year based on the performance review.

S No.	Position	Area of Specialization	Maximum Duration	Consolidated Salary	Number of Positions
1	JRF- Junior Research Fellow	Development of low phase noise optoelectronic oscillator with phase compensation approach for radar application	36 months	Rs. 31,000/- (Per month for 1 <sup>st</sup> & 2 <sup>nd</sup> years) + HRA as per DRDO norms ----- Rs. 35,000/- (Per month for 3 <sup>rd</sup> years) + HRA as per DRDO norms	One (01)

**Education Qualification:**

B.Tech/B.E./M.Tech./M.E./MS(R)/equivalent in Electronics and Communication Engineering/ Electronics Engineering/ Electrical Engineering/ Electrical & Electronics Engg./Material Science & Engineering/Metallurgical and Materials Engineering/ Chemical Engineering/ Nanotechnology/ Optical Communication/Photonics/ Plasmonics/ Optics/ RF/ Radar Engg./Microwave Photonics/ VLSI/ Communication Engg., and related areas. [Those who have M.Sc. degree in Electronics are also eligible.](#) [Preference will be given to the GATE/UGC-NET qualified students \(old GATE score is also considered\).](#)



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The gate qualification is not compulsory for master's degree students but desirable. Candidates must have at least 6.5/10 CGPA or 60 percent marks in aggregate from a recognized technical institute or university as a full-time program. Proof of B.Tech/B.E./M.Tech./M.E./MS(R)/ or equivalent certificate has to be provided during the time of interview. These are the minimum eligibility criteria. The short-listing criteria may vary according to the number of applications received. **Age limit:** Not more than 30 Years. Age relaxation will be provided as per DRDO, GoI norms.

**Note: - The candidate is entitled to register for Ph.D. at NITK, Surathkal.**

**Participating Institutes:** University of York, United Kingdom; NITK Surathkal, INDIA; IIT (ISM) Dhanbad, INDIA; LRDE DRDO Lab Bangalore, INDIA;

**How to Apply/Application Process:**

Interested candidates must apply with the following documents: (1) Cover letter (2) Bio-data with passport-sized photograph, (3) Scanned copies of educational certificates and mark sheets, class XII onwards (4) GATE qualified certificate and (5) Scanned copies of Proof for research experience, special achievements and publications, if any. **The soft copies of all the above documents (pdf format) must be emailed to the Principal Investigator (Dr. Mandeep Singh, Email id: [mandeep.singh@nitk.edu.in](mailto:mandeep.singh@nitk.edu.in)) on or before 30<sup>th</sup> June 2022.** No TA/DA will be paid for attending the written test/interview. The appointment will be on a purely temporary basis co-terminus with the project. Candidates who are already employed should produce relieving certificate from their employers, if selected. **The shortlisted candidates with the date of written test/interview will be intimated by email only.**

**Principal Investigator (PI) & Co-PI details:**

**PI:** Dr. Mandeep Singh, Assistant Professor, Department of E & C Engg., NIT Karnataka  
PI Email: [mandeep.singh@nitk.edu.in](mailto:mandeep.singh@nitk.edu.in)

**Co-PIs:**

1. Dr. Muralidhar Kulkarni, Professor (HAG), Department of E & C Engg., NIT Karnataka  
Co-PI Email: [mkuldce@gmail.com](mailto:mkuldce@gmail.com)
2. Dr. Sanjeev Kumar Raghuvanshi, Associate Professor, Department of Electronics Engg., IIT (ISM) Dhanbad, Co-PI Email: [sanjeev77@iitism.ac.in](mailto:sanjeev77@iitism.ac.in)

**Address for Correspondence:**

**Dr. Mandeep Singh**  
**Principal Investigator and Assistant Professor**  
**E&C Engg. Depart., NITK Surathkal**  
**Mangalore-575025, India.**  
**Mobile: +91-9557523757**

**NOTE:** The e-mail should be sent with subject-line "**Application for JRF under DRDO project with Advt. No.: NITK/ ECE/01/DRDO/2022 dated 26-May-2022**"



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**Application for the Position of Junior Research Fellow under DRDO**

1. Post Applied for: JRF-Junior Research Fellow

2. Name of the Candidate (BLOCKLETTER):

3. Father's Name (BLOCKLETTER):

4. Mother's Name (BLOCKLETTER):

5. (a) Date of Birth: (DD/MM/YYYY)\_\_\_\_\_

(b) Sex (Male/Female/Other):\_\_ \_

(c) Marital Status: Married/Single

(d) Category: SC/ST/OBC/PWD/Open

6. Previous Research experience: (use additional sheet if required)\_\_\_\_\_

7. Publication(s), if any: (use additional sheet if required)\_\_\_\_\_

8. GATE/ NET (if any): Qualified (Yes/No): Score: \_\_\_\_\_ Rank: \_\_\_\_\_  
Specialization: \_\_\_\_\_ Year: \_\_\_\_\_

9. Academic Qualification: (Starting from Standard 10 or equivalent Examination)

Name of Exam Passed	Name of the School/College/Institute/ University	Year of Passing	Discipline/ Specialization	Percentage of Marks/ CGPA

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10. (a) Address for Communication: (BLOCKLETTER):

(b) Contact No (Mob):

(c) E-mail ID :

11. Contact Details of two referees:

	Referee I	Referee II
Name :		
Designation :		
Organization:		
Office Address :		
Office Phone Number:		
Email ID:		

12. Experience if any (in years and use additional sheet if required)

I do here by declare that the information furnished in this application is true to the best of my knowledge and belief. If selected, I promise to abide by the rules and regulations of the Institute.

Date:

Place:

Signature

**Note-** If any information is required, extra A4 sheet may be attached.