



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

Advt. No.: 01/NITK/2024/01

Dated: 10/10/2024

**Advertisement for the Position of JRF**

Applications are invited from the interested candidates for the post of JRF to work on the R&D project titled “**Development of high-quality hexagonal boron-nitride films for solid state neutron detectors**” funded by the Broad of Research in Nuclear Sciences (BRNS), Department of Atomic Energy (DAE), Government of India. The selected candidate will be appointed for two years (on contract). After completion of two years as JRF, the candidate may be promoted as SRF with enhanced rate of fellowship for one more year after reviewing their suitability by the selection committee.

| S No. | Position                    | Area of Specialization  | Maximum Duration | Consolidated Salary                       | Number of Positions |
|-------|-----------------------------|---|------------------|---|---------------------|
| 1     | JRF- Junior Research Fellow | Growth and Characterization of Electronic Materials and Devices | 24 months        | Rs. 37,000/-<br>(Per month for one years) | One (01)            |

**Eligibility:**

**Educational Qualification:**

B.Tech/B.E./M.Sc./M.Tech./M.E./MS(R) equivalent in Electronics and Communication Engineering/Electronics Engineering/Electrical Engineering/Material Science & Engineering/Metallurgical and Materials Engineering/Mechanical Engineering/Chemical Engineering/Nanotechnology with desirable knowledge/expertise in growth and characterization of electronic materials and devices. The GATE/NET qualification is 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.Sc./M.Tech./M.E./MS(R)/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 32 Years. Age relaxation will be provided as per BRNS, GoI norms.**



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**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/NET qualified certificate if available 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. Sushil Kumar Pandey, Email id: skpandey@nitk.edu.in) on or before 20<sup>th</sup> November 2024 and hard copies of all the documents should be send to the address for correspondence is given below.** 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.**

**Address for Correspondence:**

To,  
Dr. Sushil Kumar Pandey  
Principal Investigator and Assistant Professor  
E&C Engineering Department  
NITK Surathkal  
Mangalore-575025  
India.

Mobile: +917052502636  
Email: skpandey@nitk.edu.in

**NOTE:** The envelope containing the application should be super scribed as “**Application for the position of JRF under BRNS project on “Development of high-quality hexagonal boron-nitride films for solid state neutron detectors”.**”



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**Application for the Position of Junior Research Fellow under BRNS Project**

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)

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Photograph

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



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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.