



भारतीय प्रौद्योगिकी संस्थान इंदौर

खंडवा रोड  
इंदौर 453 552

Office: +91 731 2433 272

Fax : +91 731 2438 721

**Indian Institute of Technology Indore**

Khandwa Road, Simrol  
Indore 453 552

IIT Indore

### **Advertisement for the post of JRF in Research Project**

Applications are invited from Indian nationals for the position of **Junior Research Fellow (JRF)** in a consortium project on **Quantum Communications**.

**Title of the Project: Quantum Communication for Telecommunication Optical Network Security**

**Principal Investigator (PI-IIT Indore):**

Prof. Vimal Bhatia,  
Professor  
Department of Electrical Engineering,  
IIT Indore, Khandwa Road, Simrol,  
Indore, Madhya Pradesh- 453552  
([vbhatia@iiti.ac.in](mailto:vbhatia@iiti.ac.in)).

For other details and the project team, please visit the homepage-  
<https://sites.google.com/view/signalsoftware/sasg>

**Name of the position:** Junior Research Fellow (JRF)

**Essential qualifications for JRF:**

1. Graduate (BE/BTech/BSc or equivalent) in Electrical Engineering/Electronics and Communication/Instrumentation/Mathematics/Computer Science/Computer Engineering/Physics/Data Science/AI, or M.Tech/ME/MS in Electrical Engineering/Electronics and Communication/Computer Science and Engineering or related areas.
2. Qualified in any of the following National eligibility test/exams is desirable:
  - a. GATE
  - b. CSIR-UGC NET including lectureship (Assistant Professorship)
  - c. National-level examination conducted by Central Govt. Departments and their agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER, etc

**The candidate is encouraged to join the PhD program at IIT Indore in December 2024.**

**Age limit for JRF:** As per funding agency norms.

**Salary JRF(per month):** As per funding agency norms.



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**Desirable:** Experience in communications, resource allocation, quantum technologies, networking, and/or optics.

**Duration:** The initial appointment will be given for six months and is extendable based on performance till the project completion.

**How to apply:** Interested candidates must email their detailed CVs to the PI to reach him by 03/11/2024. Only shortlisted candidates will be called for the interview. The positions are available immediately. Clearly mention in the email title the position being applied for with subject line "**Applicant Quantum Communications: JRF**".

**Due date:** The application must reach the PI, ([vbhatia@iiti.ac.in](mailto:vbhatia@iiti.ac.in)), by 03/11/2024.

**Terms & Conditions:**

- i. No TA/DA will be provided to the candidate for the interview.
- ii. The PI shall not be responsible for email delay if any, or any other reason for non-receipt of the document at the specified time and will result in disqualification/rejection of the application.
- iii. The decision of the selection committee will be final.
- iv. If the number of shortlisted candidates called for the interview is large, the selection committee may decide to restrict the number of candidates for the interview to a reasonable limit after considering qualifications and experience over and above the minimum prescribed in the advertisement.
- v. The appointment of the candidate will be governed by the terms and conditions of the Institute/ funding agency particularly applicable to the said project as and when required.
- vi. The selected candidate will have to join duty immediately on receipt of the offer.
- vii. The fellowship may be terminated with a 30-day notice before completion of the tenure if performance till date is not deemed satisfactory.