



भारतीय प्रौद्योगिकी संस्थान इंदौर

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IIT Indore

**Indian Institute of Technology Indore**

Khandwa Road, Simrol  
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## **Recruitment for Junior Research Fellow Position**

Applications are invited for motivated and eligible candidates for the position of a **Junior Research Fellow** (JRF) in a R&D project entitled “**Design and Implementation of Non-orthogonal Multiple Access Techniques for Future Wireless Systems**” sponsored by Ministry of Electronics and Information Technology (MeitY), Government of India. Selected candidate will be involved in the performance analysis and development of algorithms for NOMA for beyond 5G communication systems. The aim of the project is to develop algorithms, implementation on hardware resulting in publications and patents and transfer-of-technology to industry. For more information about the group please visit the following web link: <http://iiti.ac.in/people/~vbhatia/>

**Duration:** Initial appointment is for one year, which is extendable further years based on the performance. *Selected candidate will be encouraged to admit into the PhD Programme as a regular full-time research scholar at IIT Indore.*

**Emolument:** (Rs. 31,000 + HRA) per month for JRF.

### **Eligibility:**

#### **Essential Qualification:**

1. M.E./M.Tech. in relevant branch of Electronics/Electronics & Instrumentation Engineering/Computer Engineering/Applied Physics/Optics and Related Areas with a valid GATE score and preferably with one years of research experience,  
OR
2. Bachelor degree in Electrical / Electronics / Instrumentation Engineering / Computer Engineering/ equivalent branches with a valid GATE score or a valid UGC/CSIR-NET qualification,

**Desirable:** Strong background in communications, signal processing, machine learning algorithms, and/or software defined radio. Proficiency in Matlab, Mathematica with one or more deep learning packages including TensorFlow and PyTorch will be preferred.

**Age:** As per MeitY, Government of India norms.

Interested candidates are required to send a detailed CV and contact Dr. Vimal Bhatia, Department of Electrical Engineering, Indian Institute of Technology Indore, via e-mail: [vbhatia@iiti.ac.in](mailto:vbhatia@iiti.ac.in) with subject line: “**Applicant VB-NOMA-2022-02**”. Please note that your CV should include contact details (address, mobile phone no., email ID), date of birth, and qualifications. Incomplete applications will be rejected. Last Date for submission of applications is **12 May 2022**. *Only shortlisted candidates will be intimated by email for the online interview.*