



भारतीय प्रौद्योगिकी संस्थान इंदौर

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IIT Indore

Date: 4<sup>th</sup> July 2023

## **Vacancy for JRF Position under SERB Sponsored Project at IIT Indore**

Applications are invited from motivated and eligible candidates for the position of **Junior Research Fellow** (JRF) in the Centre for Advanced Electronics at IIT Indore for Science and Engineering Research Board (SERB) funded research project entitled “**CMOS compatible Ge-based photonic terahertz emitters**”.

### **Objective of the Project**

The scope of the project is to simulate, fabricate and characterize photoconductive terahertz emitters and ultrafast photonic devices based on Si-CMOS compatible materials (mainly Ge-based). The main objective of the project is to develop and optimize THz devices to achieve high field and broadband THz pulses.

**Duration:** Initial appointment is for one year, which is extendable for two more years based on performance. This work could also lead to a PhD degree upon successful enrolment as a PhD student at IIT Indore. The appointment is co-terminus with the project.

**Emolument:** The amount of JRF fellowship will be Rs 31000/month + HRA as per SERB norms.

### **Eligibility:**

**Essential Qualification:** MS/MSc/MTech. or equivalent in relevant branches of Science/Technology like Physics, Electronics, Materials Science, Applied optics, Optical communications, etc. from recognized Universities/Institutes with JRF (CSIR/UGC-NET) or valid GATE score.

Interested candidates are requested to email their detailed CV and certificates to Dr. Abhishek Singh ([asingh@iiti.ac.in](mailto:asingh@iiti.ac.in)) before **31<sup>st</sup> July, 2023**. Only shortlisted candidates will be intimated by email for the online interview.

Note: CV should include details of academic grades starting from X standard onwards with details of the year of passing, University or Institute, etc. and work experience and nature of work if applicable. Complete details of NET/GATE such as year of passing/validity, discipline, marks, All India Rank and number of candidates appeared should be mentioned in the CV. Incomplete applications will be rejected. Only shortlisted candidates will be intimated by email for an interview.

Address for Correspondence:

**Dr. Abhishek Singh**

Centre for Advanced Electronics,

Indian Institute of Technology Indore (IITI)

Email: [asingh@iiti.ac.in](mailto:asingh@iiti.ac.in)