



भारतीय प्रौद्योगिकी संस्थान इंदौर

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IIT Indore

Date: 26<sup>th</sup> February 2023

## **Interview for JRF Position under SERB Sponsored Project**

Applications are invited from motivated and eligible candidates for the position of **Junior Research Fellow** (JRF) in a Science and Engineering Research Board (SERB) funded research project entitled “**Modelling, Analysis, and Design of Aerial-Platform-based Free Space Optics Communication for 6G Networks**”.

### **Objective of the Project**

The scope of the project is to propose novel system models utilizing aerial platforms such as UAV, HAPS, etc. and FSO communication for terrestrial networks and Space-Air-Ground-Integrated-Network (SAGIN) scenarios, which are expected to be featured in 6G communication and analyse the system performance using analytical, simulation, and experimental results.

**Duration:** Initial appointment is for one year, which is extendable for two more years based on performance. The appointment is co-terminus with the project. ***Possibility of Considering Selected candidate, through a separate process, for admission to Ph.D. Programme as a regular full-time scholar as per the Institute norms also exists.***

**Emolument:** The amount of JRF fellowship will be as per SERB norms.

### **Eligibility:**

**Essential Qualification:** BE/B.Tech. or equivalent in relevant branches of Engineering/Technology like Electrical/Electronics Engineering (EE), Electronics & Communication Engineering (ECE), Information & Communication Technology (ICT), Engineering Physics, etc. or Masters degree in relevant branches of Engineering/Technology like EE, ECE, ICT, Electronics, Applied optics, Optical communications, etc. with a first division as awarded by the awarding institute/university. Note that GATE qualification is mandatory for getting enrolment in PhD program at IIT Indore.

Interested candidates are requested to attend ONLINE interview on **20<sup>th</sup> MARCH, 2023**. The candidates should apply against the following google form link and upload the required documents. **Candidates who have applied against the last advertisement dated 23<sup>rd</sup> Jan 2023 should re-apply against this current advertisement.**

Application Form (Google form link): <https://forms.gle/8SeFJxML2T1gWa2M9>

**Time and date of interview: 10:30 AM onwards on Monday, 20<sup>th</sup> March, 2023.**

Last Date for Submitting the Application form: **18<sup>th</sup> March, 2023 (Saturday, 24.00 hrs)**

Google Meet link for the online interview will be sent to all the shortlisted candidates **on 19<sup>th</sup> March, 2023**

In case of any queries, please email to Dr. Swaminathan R ([swamiramabadran@iiti.ac.in](mailto:swamiramabadran@iiti.ac.in)) and cc to Dr. Saptarshi Ghosh ([sgosh@iiti.ac.in](mailto:sgosh@iiti.ac.in))

For ongoing research activities please refer to the homepage of Dr. Swaminathan R ([Homepage](#))