



विश्वजीवनामृतं ज्ञानम्

अटल बिहारी वाजपेयी-
भारतीय सूचना प्रौद्योगिकी एवं प्रबंधन संस्थान, ग्वालियर
(भारत सरकार का स्वशासी संस्थान)
Atal Bihari Vajpayee-
Indian Institute of Information Technology & Management, Gwalior
(An Autonomous Institute of Government of India)

Ref: 5099

Date: 29-08-2024

Advertisement for the JRF Position in the DST-SERB Sponsored Project (SRG/2023/001550)

Applications are invited from eligible candidates as a Junior Research Fellow (JRF) to work on the following project sponsored by DST-SERB (SRG/2023/001550) under the supervision of Dr. Praveen Kumar Singya, ABV-IIITM, Gwalior (An Autonomous Institute under MHRD, Govt. of India). The duration of the position extends till the completion of the projects. The candidates can be enrolled in the Ph.D. program as per the institute norms. The details related to the project are as follows:

Project Title	Design and Analysis of Hybrid FSO/THz-based Backhaul Networks for 6G Communications.
About the Project	This project aims to design and analyze Free-space optics (FSO), TeraHertz (THz), and hybrid FSO/THz-based wireless multi-hop, mesh, and integrated access and backhaul (IAB) networks for 6G communications. These networks can be used individually or combined for various communication applications, including wireless backhaul solutions for terrestrial and aerial networks or indoor short-range THz communication for IoT and sensor networks to achieve throughput targeted for 6G.
Principal Investigator (PI)	Dr. Praveen Kumar Singya
Fellowship	As per the DST-SERB norms.
Essential Qualifications	Candidates must have M.Tech/M.S./M.E. or equivalent in EC (Electronics and Communication)/Electrical Engineering/ CSE (Computer Science and Engineering)/IT (Information Technology)/degrees or equivalent. They must also have B. Tech/ B.E./M.Sc. in EC/CSE/IT/EE or equivalent. Candidates must also have qualified GATE/NET in the relevant area for the JRF position. In the absence of GATE/NET, the Project Associate position may be considered with monthly emoluments as per the DST-SERB norms.
Desirable Qualification:	Good knowledge of the fundamentals of wireless communications and Machine learning is required.
Application Deadline	15 th September 2024
Date of Interview	Only shortlisted candidates will be informed by e-mail about the interview date. No TA/DA will be provided for attending the interview. The interview will be scheduled in offline mode.

Application Procedure:

- Candidates are requested to send their detailed CV, including their academic details with percentage/CGPA, research works/projects, and work experience (if any) to praveens@iiitm.ac.in with the subject line as "Application for the JRF position in the DST-SERB sponsored project."
- Only shortlisted candidates will be informed through email for an interview. The interview will be conducted in person in offline mode at ABV-IIITM Gwalior.

Notes:

- 1 For any query regarding the position, please email Dr. Praveen Kumar Singya at praveens@iiitm.ac.in
- 2 The duration of the position extends for a maximum till the completion of the project. If the candidate performs unsatisfactory, the position can be terminated with 1-month notice.
- 3 Selected candidates may be encouraged to join the Ph.D. program of ABV-IIITM Gwalior as per institute norms.

Dr. Praveen Kumar Singya (PI)

Assistant Professor, (EEE)

ABV-Indian Institute of Information Technology & Management (ABV-IIITM), Gwalior,

An autonomous Institute under MHRD, Govt. of India)

NH-10, Morena Link Road, Gwalior-474015 (MP) India.

Tel: +91-9827310858

email: praveens@iiitm.ac.in

Webpage: <https://www.iiitm.ac.in/index.php/en/component/splms/teacher/Dr.PraveenKumar>

Google Scholar: <https://scholar.google.co.in/citations?user=Tz-Q9mkAAAAJ&hl=en>

मुरैना लिंक रोड, ग्वालियर -474015 • Morena Link Road, Gwalior-474015

Tel. : +91-751-2449816, 2449720 • Website : www.iiitm.ac.in