

Ref: **TTDF/6G/203**

Date: **9th April 2025**

Advertisement for the JRF Position in the DoT-TTDF Sponsored Project (TTDF/6G/203)

Applications are invited from eligible candidates as a Junior Research Fellow (JRF) to work on the following project sponsored by DoT-TTDF (TTDF/6G/203) under the supervision of Prof. Aditya Trivedi, ABV-IIITM, Gwalior (An Autonomous Institute under MHRD, Govt. of India). The duration of the position extends for a maximum of two years. 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	Tackling Channel Estimation in 6G-based ISAC System Aided by Intelligent Reflecting Surface
About the Project	By leveraging Intelligent Reflecting Surfaces (IRS), the research will focus on mitigating signal distortions, improving spectral efficiency, and ensuring reliable communication in dynamic environments. The project seeks to address key challenges in estimating complex wireless channels, optimizing IRS configurations, and integrating AI-driven algorithms for robust real-time adaptation. The outcomes of this research will contribute to advancing next-generation wireless technologies, enabling seamless connectivity and high-precision sensing capabilities in 6G networks.
Principal Investigator (PI) & and Co-PI	Prof. Aditya Trivedi (PI) & Dr. Mahendra Kumar Shukla (Co-PI)
Fellowship	As per the DST 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, Project Associate position may be considered, with monthly emoluments in accordance with DST norms.
Desirable Qualification:	Basics of wireless communications and machine learning.
Application Deadline	21 st April 2025
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.

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 atrivedi@iiitm.ac.in and cc it to mahendra@iiitm.ac.in with the subject line as "Application for the JRF position in the DoTT-TTDF sponsored project (TTDF/6G/203)."
- 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 The duration of the position extends for a maximum of two years. If the candidate performs unsatisfactory, the position can be terminated with 1-month notice.
- 2 Selected candidates can be enrolled in the Ph.D. program as per the institute norms.

Prof. Aditya Trivedi (PI)

Professor, (IT)

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: +91-9425137999

email: atrivedi@iiitm.ac.in