



विश्वजीवनामृतं ज्ञानम्

अटल बिहारी वाजपेयी -  
भारतीय सूचना प्रौद्योगिकी एवं प्रबंधन संस्थान, ग्वालियर  
(राष्ट्रीय महत्व का संस्थान, मानव संसाधन विकास मंत्रालय भारत सरकार के तहत)

Atal Bihari Vajpayee-  
Indian Institute of Information Technology & Management, Gwalior  
(An Institute of National Importance under Ministry of HRD, Government of India)

Ref: TTDF/6G/214

Date: 9<sup>th</sup> April 2025

**Advertisement for the JRF Position in the DoT-TTDF Sponsored Project (TTDF/6G/214)**

Applications are invited from eligible candidates as a Junior Research Fellow (JRF) to work on the following project sponsored by DoT-TTDF (TTDF/6G/214) 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 three 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:

<b>Project Title</b>	Design and Analysis of a Semantic Learning-Based Architecture for End-to-End Communication with Resource Management
<b>About the Project</b>	This project aims to develop a semantic learning-based communication framework for efficient end-to-end data transmission and resource management in next-generation networks. By leveraging AI-driven techniques, it will enhance context-aware processing, optimize resource allocation, and improve network efficiency and adaptability, contributing to the advancement of 6G and intelligent wireless systems.
<b>Principal Investigator (PI) &amp; and Co-PI</b>	Prof. Aditya Trivedi (PI) & Dr. Mahendra Kumar Shukla (Co-PI)
<b>Fellowship</b>	As per the DST norms.
<b>Essential Qualifications</b>	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, <b>Project Associate</b> position may be considered, with monthly emoluments in accordance with DST norms.
<b>Desirable Qualification:</b>	Basics of wireless communications and machine learning.
<b>Application Deadline</b>	21st April 2025
<b>Date of Interview</b>	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](mailto:atrivedi@iiitm.ac.in) and cc it to [mahendra@iiitm.ac.in](mailto:mahendra@iiitm.ac.in) with the subject line as "Application for the JRF position in the DoTT-TTDF sponsored project (TTDF/6G/214)."
- 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 three 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)

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