



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)

M.P CST Project Ref: A/RD/RP-2/468

Date: 09/10/2026

**Advertisement for the Post of Junior Research Fellow (JRF) ABV-IIITM Gwalior Under the
Sponsored Project by M.P. Council of Science & Technology**

Applications are invited for the Junior Research Fellow (JRF) under the MPCST-funded research project titled “**End-to-End Deep Learning Model for Pulmonary Nodule Detection and Risk Characterization in Early Lung Cancer Screening**” in the department of Computer Science and Engineering at ABV-Indian Institute of Information Technology and Management (ABV-IIITM) Gwalior. The appointment is purely temporary and will be governed by the terms and conditions of the funding agency and the Institute. The position is initially for ONE YEAR and may be extended further till the completion of the project based on satisfactory performance on reviewed conducted on every 06 months.

Project Title	Development of AI/ML modules in ARISTO platform for chemotherapy automation process
About the Project	The proposed project aims to develop an end-to-end deep learning framework for automatic pulmonary nodule detection and malignancy risk characterization from chest CT scans to support early lung cancer screening. The system will integrate advanced deep learning techniques for accurate nodule localization, feature extraction, and classification of nodules as benign or malignant. By enabling reliable and early identification of suspicious nodules, the project aims to improve lung cancer survival rates, reduce healthcare burden, and promote accessible AI-assisted diagnostic solutions for large-scale screening programs.
PI & Co-PIs	Prof. K. V. Arya (PI), Dr. Sunil Kumar (Co-PI), and Dr. Divya Gautam (Co-PI)
Essential Qualifications	An applicant having a master's degree in engineering/technology/electronics/ mechatronics or any other equivalent qualification (MSc/MCA/MS in relevant field/branch and 10+2 with mathematics) recognized by the Institute with a minimum of 60% marks or CGPA of 6.5 on a 10-point scale in the qualifying degree. Applicant with qualified GATE/NET will be preferred.
Desirable Qualification:	Applicant working Image Processing and Computer Vision, Machine Learning and Deep Learning, Pytorch and Python Module will be preferred.
Stipend	₹ 20,000 per month (Consolidated)
No. of post	01
Application Deadline	21 Oct 2026
Date of Interview	Only shortlisted candidates will be informed by e-mail about the interview date. Interview will be conducted Offline/Online mode.

Application Procedure:

- The applicants are required to fill out the online application form available at the institute website: www.iiitm.ac.in or directly through the google form link: <https://forms.gle/vg5RZpEWnbmD7pAL8>
- There is **NO** application fee.
- Only shortlisted applicants will be informed by email about the interview. In case, if we received many applications, the committee may put higher criteria for shortlisting the applications.
- The interview for the shortlisted applicants will be conducted in an Offline/Online mode at ABV-IIITM Gwalior.

Notes:

- 1 For any query, please email **Dr. K. V. Arya** kvarva@iiitm.ac.in cc to Dr. Sunil Kumar snk@iiitm.ac.in
- 2 The candidates will be required to give progress details to the investigators on a regular basis.
- 3 The position is initially for 12 months and may be extended further till the completion of the project based on satisfactory performance on review conducted every 06 months.

Investigators

Prof. K. V. Arya (PI), Dr. Sunil Kumar (Co-PI), and Dr. Divya Gautam (Co-PI)
ABV-Indian Institute of Information Technology & Management Gwalior,
An Institute of National Importance under the Ministry of Education, Govt. of India
NH-10, Morena Link Road, Gwalior-474015 (MP) India. Tel: +91-8472842090
email: kvarva@iiitm.ac.in or snk@iiitm.ac.in