



विश्वजीवनमृतं 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: ABVIITMG/2026/325

Date: 5<sup>th</sup> June, 2026

**Advertisement for the JRF Position in the ANRF Sponsored Project**

Applications are invited from eligible candidates as a Junior Research Fellow (JRF) to work on the following project sponsored by ANRF under the supervision of Dr. Rahul Kala, ABV-IITM, Gwalior. The duration of the position extends for a maximum of three years, extendable upto five years, or the duration of the project, whichever is earlier. The candidates can be enrolled in the Ph.D. program as per the institute norms. The project is being done in collaboration with NIT Mizoram.

The details related to the project are as follows:

<b>Project No. and Title</b>	ANRF/ARG/2025/009728/ENS Socially-Interactive Vacuum Cleaning Robot for On-Human Demand and Human-Instructed Cleaning
<b>About the Project</b>	Robotic vacuum cleaners are on a steep rise in India. The Indian market has two unique problems that pose a severe limitation: Target cleaning of room segments, certain surfaces, and only some dirty areas to be cleaned on demand; and perceiving humans, anticipating their motion, guessing their intents and behaviours, and thus take a path that is socially compliant during daytime cleaning. The project aims to design a system that allows a human to call the robot; allow the human to instruct the robot about the cleaning task via speech and hand gestures; perform a semantic understanding of the robot map and the current perception; make the robot socially compliant with humans; allow following the person for segments of the journey, enabling the human to point to the area or allowing the human to inspect the cleaning and give further instructions if needed.
<b>Principal Investigator (PI)</b>	Dr. Rahul Kala
<b>Fellowship</b>	As per the DST norms.
<b>Essential Qualifications</b>	Candidates must have M.Tech/ M.S./M.E. or equivalent in CSE (Computer Science and Engineering) / IT (Information Technology) / EC (Electronics and Communication)/ Electrical Engineering/ degrees or equivalent. They must also have B. Tech/ B.E./M.Sc. in CSE/IT/EC/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 machine learning, deep learning, computer vision, robotics or large language models
<b>Application Deadline</b>	6 <sup>th</sup> July, 2026
<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. The interview will be scheduled in an online 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 [rkala@iiitm.ac.in](mailto:rkala@iiitm.ac.in) with the subject line as "Application for the JRF position in the DST sponsored project."
- Only shortlisted candidates will be informed through email for an interview. The interview will be conducted in an online mode.

**Notes:**

- For any query regarding the position, please email Dr. Rahul Kala at [rkala@iiitm.ac.in](mailto:rkala@iiitm.ac.in)
- The duration of the position extends for a maximum of three years, extendable upto five years. If the candidate performs unsatisfactory, the position can be terminated with 1-month notice.
- Payment of fellowship is subject to the receipt of funds from the sponsoring agency.
- The candidate may be promoted to the position of SRF upon completion of 2 years as per project/institute norms.
- Selected candidates can be enrolled in the Ph.D. program as per the institute norms.

**Dr. Rahul Kala (PI)**

Associate Professor, (IT)

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