Department of Computer Science & Engineering and IT

Jaypee Institute of Information Technology, Noida

Advertisement for Recruitment of Junior Research Assistant (JRA)

Applications are invited for the position of Junior Research Assistant (JRA) to work on the following:

Council of Science & Technology, U.P. (CSTUP) sponsored project (File No CST/D-1644, PID: 7970; Dated: 27.10.2026) as per the details given below:

Project Title:	IoT-Powered Real-Time Object Detection and Alert System for Intelligent Surveillance for Agriculture Land
Post:	Junior Research Assistant (JRA)
Number of Positions:	01 (one)
Tenure of Appointment:	The appointment will be made for a duration of 02 years, provided satisfactory performance is maintained.
Eligibility:	The candidate must be resident of Uttar Pradesh and t h e upper age limit is 28 years as on 1st April, 2026.
Emoluments per Month:	Consolidated ₹28,000/- per month.
Essential Qualifications:	B.E. / B.Tech./M.Tech/MSc. in CSE/IT or equivalent degree of other relevant branch of Engineering with First class in graduate and/or post-graduate programmes.
Desirable Skills:	1. Proficiency in programming, working knowledge of IoT boards & interfaces such as Arduino, Raspberry Pi, LoRa Modules 2. Machine Learning (ML) models for video and image analytics. 3. Experience with sensor equipment and digital signal processing techniques or computational diagnostics. 4. Strong analytical and problem-solving skills. 5. Knowledge of data management practices and database maintenance. 6. Commitment to ethical research practices and confidentiality.
Job Description:	The selected candidate is expected to assist in research, development, and deployment of an intelligent agricultural intrusion detection system using IoT, embedded systems, computer vision, and wireless communication technologies. The work involves Raspberry Pi, ESP32, LoRa, ultrasonic sensors, object detection models, Linux, Firebase Cloud Messaging, and Android application development for real-time monitoring and farmer alerts. Develop relevant ML/DL algorithms for data analysis, conduct literature reviews, collaborate on experiments, maintain research records, contribute to reports and publications, and ensure ethical compliance and data confidentiality.

Applications comprising a cover letter, detailed Curriculum Vitae (containing your Programming and/or IoT Designing-based Research & Development experience/ publications, etc.) must be sent by email to **Prof. K. Rajalakshmi** (Principal Investigator), Department of Computer Science & Engineering and IT, Jaypee Institute of Information Technology, Noida, on or before **20th December 2026**.

Email: k.rajalakshmi@mail.jiit.ac.in
And CC to: suma.dawn@mail.jiit.ac.in, divakaryadav@ignou.ac.in

Note:
1. UP CST guidelines shall govern the appointment.
2. The candidate will be shortlisted based on merit and the need for the project.
3. The shortlisted candidate will be informed by email about the interview schedule.
4. Shortlisted candidates must be present physically for the interview along with their original certificates.
5. No TA/DA will be paid for appearing in the interview.