



RESEARCH ASSISTANT – VACANCY NOTICE

Research Project: **An Efficient Deep Learning Framework for Automated Identification of Fruit Fly Species in the North Central Province of Sri Lanka**

Applications are invited from suitably qualified and motivated candidates for the position of **Research Assistant** to work on the above research project at the **Department of ICT, Faculty of Technology, Rajarata University of Sri Lanka**.

Key Responsibilities: The selected Research Assistant will be expected to:

- Assist in collecting and organizing fruit fly image datasets.
- Perform image preprocessing, annotation, augmentation, and dataset preparation.
- Develop, implement, and evaluate deep learning and computer vision models for automated fruit fly species identification.
- Conduct experiments using appropriate machine learning and deep learning frameworks.
- Analyze and interpret experimental results.
- Assist in preparing research reports, publications, presentations, and other research outputs.
- Perform any other research-related activities assigned by the Principal Investigator.

Qualifications and Skills

Applicants should preferably:

- Possess a **Bachelor's degree** in Computer Science, ICT/IT, Data Science, Artificial Intelligence or a related discipline.
- Have knowledge of **Machine Learning, Deep Learning, Computer Vision, or Image Processing**.
- Have practical knowledge of **Python** and relevant machine learning/deep learning frameworks such as TensorFlow, Keras, or PyTorch.
- Demonstrate an interest in interdisciplinary research involving **Artificial Intelligence, biodiversity, agriculture, and species identification**.
- Possess good analytical, communication, teamwork, and research skills.

Experience in **image classification, object detection, CNN-based models, image processing, dataset preparation, or related research** will be an added advantage.

Opportunity for Postgraduate Research

The selected candidate will have the opportunity to **continue working on the research project beyond the initial Research Assistant appointment**, subject to performance, project requirements, and university admission requirements.

Where appropriate, the research work may provide a pathway towards pursuing a **postgraduate research degree, such as an MPhil or PhD**, based on the research project and the applicable postgraduate admission requirements of the university.

Remuneration: **Rs. 3,000/= per day**

Place of Work: **Department of ICT, Faculty of Technology, Rajarata University of Sri Lanka**

How to Apply: Interested candidates are requested to submit their **CV and a brief statement of interest** by email to the Principal Investigator.

Please use the subject line: **“Application for Research Assistant – Fruit Fly Species Identification”**

Closing Date: 21.08.2026

Only shortlisted candidates will be contacted for an interview.

Principal Investigator:

Wiraj Wickramaarachchi

Senior Lecturer

Department of ICT

Faculty of Technology

Rajarata University of Sri Lanka

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