V A C A N C Y

Applications are invited from suitably qualified candidates for the post of **Research Assistant**, **for a task-based assignment** to work on the research project entitled "Decision-making support of diabetic retinopathy in Mauritius through deep and transfer learning Phase 2 Project - Computing".

Qualifications Required for Tasks 1, 2, 3 and 4:

- A degree in Computer Science, Software Engineering, Applied Computing, Information Systems, or any other equivalent qualification.

Profile

Candidates must have:

- Research and Communication Skills;

- Analytical skills and adequate knowledge in the relevant field of research;

- Excellent interpersonal and teamwork skills;

- The ability to attend regular meetings, both face-to-face and online during normal office hours;

- Availability to start work from the mid of August 2025.

Responsibilities & Duties

Task 1 (2 months - Rs 20,000)

- Preprocess annotated images for the Deep Learning model;

- Attend meetings and training concerning the project;

- Prepare progress reports; and

- Any other tasks related to the project.

Task 2 (6 months - Rs 100,000)

- Build the Deep Learning model (including parameter tuning);

- Attend meetings and training concerning the project;

- Prepare progress reports;

- Work on publication; and

- Any other tasks related to the project.

Task 3 (6 months - Rs 100,000)

- Build the prototype of the Decision Support System Deep Learning model (including parameter tuning);

- Attend meetings and training concerning the project;

- Prepare progress reports;

- Work on publication; and

- Any other tasks related to the project.

Task 4 (6 months - Rs 127,680)

- Test the Decision Support System in 1 hospital/medi clinic including improving the proposed system;

- Attend meetings and training concerning the project;

- Prepare progress reports;

- Work on publication; and

- Any other tasks related to the project.

Remuneration

- Task 1 - an all-inclusive allowance of Rs 20,000/- upon satisfactory completion.

- Task 2 - an all-inclusive allowance of Rs 100,000/- upon satisfactory completion.

- Task 3 - an all-inclusive allowance of Rs 100,000/- upon satisfactory completion.

- Task 4 - an all-inclusive allowance of Rs 127,680/- upon satisfactory completion.

Duration of Contracts

For Task 1, appointment will be offered for a contractual period of 2 months.
For Task 2, appointment will be offered for a contractual period of 6 months.
For Task 3, appointment will be offered for a contractual period of 6 months.
For Task 4, appointment will be offered for a contractual period of 6 months.

Mode of Application

Letter of application together with a detailed *Curriculum Vitae* and photocopies of qualifications, birth certificate, marriage certificate (if applicable), testimonials and equivalence of qualifications (where applicable) should be sent **by email** to Dr Zahra Mungloo-Dilmohamud (z.mungloo@uom.ac.mu) and copied to the Dean of Faculty of Information, Communication and Digital Technologies (deanfoicdt@uom.ac.mu) **by Noon (12:00 PM),** on the *__12th August 2025__*, **at latest.**

The email subject should read "**Research Assistant for Decision-making support of diabetic retinopathy in Mauritius through deep and transfer learning Phase 2 Project - Computing**".

Applications received after the closing date will not be considered.

The University reserves the right:

- to call for interview only the most appropriately and best qualified applicants.
- not to make any appointment as a result of this advertisement.
- to conduct a written/aptitude test as and when required.

30 July 2025

Dean Faculty of Information, Communication and Digital Technologies