UNIVERSITY OF MAURITIUS

VACANCY

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 ***"Building an Innovative Low-cost Setup for Brain Waves Signal Capture to study the Effects of Exercises on Mental Well-being"***, for a contractual period of eighteen (18) months.

Qualifications Required:

- A degree in Computer Science, Software Engineering, Applied Computing, Information Systems, Electrical Engineering, Mechanical Engineering, Electronics, Electronics and Communication Engineering, 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 start of January 2025.

Responsibilities & Duties

Task 1

- Review the literature on the use of brain waves signal capture to study the effects of exercises on mental well-being;
- Critically analyse existing literature and prepare report;
- Prepare the list of equipment needed to build the low cost setup for brain waves signal capture;
- Attend meetings and training concerning the project;
- Prepare progress reports;
- Any other tasks related to the project.

Task 2

- Design the brain signal capture setup;
- Mount and test the experimental setup;
- Attend meetings and training concerning the project;
- Prepare progress reports;
- Any other tasks related to the project.

Task 3

- Assist in the recruitment of participants for the study;
- Collect data and build the dataset;
- Analyse collected signals;
- Attend meetings and training concerning the project;
- Prepare progress reports;
- Any other tasks related to the project.

Remuneration

For Task 1: an all-inclusive allowance of Rs 10,000/- **upon satisfactory completion**
For Task 2: an all-inclusive allowance of Rs 70,400/- **upon satisfactory completion**
For Task 3: an all-inclusive allowance of Rs 69,600/- **upon satisfactory completion**

Duration of Contract

For the task-based assignment (including Tasks 1, 2 and 3), appointment will be offered for a contractual period of eighteen (18) months. The tentative starting date will be **13 January 2025**.

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 reach the **Dean of the Faculty of Information, Communication and Digital Technologies (Attention: co-Principal Investigators - Assoc Prof M Heenaye-Mamode Khan and Assoc Prof Z Mungloo-Dilmohamud), University of Mauritius, Réduit,** OR email address (*m.mamodekhan@uom.ac.mu*, *z.mungloo@uom.ac.mu*) and copied to (*deanfoicdt@uom.ac.mu*) by **Noon (12:00 PM) on *06 January 2025*, at latest.**

The envelope should be clearly marked ***"Research Assistant for the project - Building an Innovative Low-cost Setup for Brain Waves Signal Capture to study the Effects of Exercises on Mental Well-being"*** on the top right hand corner.

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.

17 December 2024

Dean
Faculty of Information, Communication and Digital Technologies