

# VACANCY

Applications are invited from suitably qualified candidates for a task-based assignment to work on the research project entitled “*Promoting Institutional Democracy through Language Access in Kreol Repiblik Moris (KRM) and Digital Innovation*”. The identified tasks and respective remuneration are as follows:

## **Task 1: Development of KRM Spellchecker Module (Rs 115,200)**

- Use machine learning and Artificial Intelligence (AI) techniques to develop a model for spell checking in KRM.

## **Task 2: Development of Speech Recognition Module in KRM (Rs 115,200)**

- Develop the Automatic Speech Recognition (ASR) module using appropriate machine learning and AI techniques. Please note that the audio datasets will be provided.
- Testing and evaluation of the ASR module

## **Task 3: Implement a Kreol Transcription Tool (Rs 115,200)**

- Integrate models built in Task 1 and Task 2 into a unified Kreol Transcription tool with a common user interface.
- Testing and Evaluation of the tool

In addition to the tasks above, the successful candidate will be responsible for the following:

- Report to investigators on a regular basis
- Documentation and report writing
- Any other cognate duties

## **Qualifications Required**

- Degree in Computer Science, Applied Computing, Software Engineering or any equivalent qualification
- Previous experience in development of speech recognition modules will be an advantage.

## **Duration of Contract**

The contract is expected to start on 10 June 2024 and end on 10 June 2025.

While the recruited candidate(s) will **NOT** be expected to be on site on a daily basis, arrangements should be made to attend weekly meetings with the research team on the University of Mauritius campus or online. The recruited candidate(s) will report to Associate Professor Dr B Gobin and Dr N Gooda Sahib from Faculty of Information, Communication and Digital Technologies (FoICDT).

## **Further Information and/or Clarification**

Any request for further information and/or clarification should be directed Professor Arnaud Carpooran with subject line: ***“Promoting Institutional Democracy through Language Access in Kreol Repiblik Moris and Digital Innovation”***.

### **Mode of Application**

Letter of application clearly indicating which task(s) is being applied for, 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 Social Science and Humanities (Attention: Professor Arnaud Carpooran)**, University of Mauritius, Réduit OR email address [acarpoo@uom.ac.mu](mailto:acarpoo@uom.ac.mu) and copied to [deanfssh@uom.ac.mu](mailto:deanfssh@uom.ac.mu) by Tuesday 04<sup>th</sup> June 2024 at latest.

The envelope should be clearly marked ***“Promoting Institutional Democracy through Language Access in Kreol Repiblik Moris and Digital Innovation”*** on the top right-hand corner.

Applications received after the closing date will not be considered.

The University reserves the right:

- to call for interview only the most appropriate and best qualified applicants;
- not to make any appointment as a result of this advertisement.

**Dean of the Faculty of Social Science and Humanities**