UNIVERSITY OF MAURITIUS

VACANCIES

The University of Mauritius aims to create a Climate Resilient Framework for flood-prone areas in Mauritius using satellite images. As cities grow quickly, the risk of floods increases, especially during extreme weather. By using satellite images and computer models, this research will track urban expansion, study how it affects flooding, and develop better ways to manage flood risks. The goal is to provide useful tools for decision-makers and train local experts in satellite and mapping technology to support safer and more sustainable urban planning. In this context, applications are invited from suitably qualified candidates for the post of ***Two (2) Research Assistants*** **(Part-Time),** to work on the project, "***Developing a Climate Resilient Framework for development in flood prone areas using Geospatial technology and Earth Observation Data***". The identified tasks and the expected duration and remuneration are as follows:

Tasks :

- Acquire satellite images for Mauritius from relevant platforms.
- Extract relevant information from satellite images.
- Use satellite images for drought and flood assessment.
- Report to investigators on a regular basis.
- Write a comprehensive report for the project.
- Any other cognate duties.

Remuneration: **Rs 50,000**

Expected duration: 3 months

Minimum Qualifications Required:

- Degree in Computer Science or related fields

Profile of Candidates:

Candidates must have:

- Knowledge of satellite imagery and remote sensing.
- Good programming skills in Python.
- Knowledge of computer vision, machine learning and artificial intelligence
- Good communication and report writing abilities

Duration of Contract

Appointment will be offered for a contractual period of **three (3) months**. The proposed starting date will be **Monday, 7 October 2025.**

Mode of Application

Your letter of application with a *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 Engineering (Attention: Associate Professor (Dr) Manta Nowbuth as Principal Investigator), University of Mauritius, Réduit** OR **PREFERABLY** by email to mnowbuth@uom.ac.mu and deanfeng@uom.ac.mu by **Friday, 27 September 2025, at latest by 2pm.**

The envelope (for the hardcopy, if any) and/or the email subject should be clearly marked **"*Developing a Climate Resilient Framework for development in flood prone areas using Geospatial technology and Earth Observation Data*"**.

Incomplete applications or those 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, Faculty of Engineering
17 September 2025