



UNIVERSITY OF MAURITIUS

VACANCY

Applications are invited from suitably qualified candidates for the post of **Research Assistant (Part-Time)**, to work on the research project entitled “**Effects of Shadowing and Noise Levels of Wind Turbines in the Design of Hybrid Photovoltaic/Wind Power Generation Systems for High Rise Buildings: Case Study for the Engineering Tower at the University of Mauritius**”, for a contractual period of 6 months.

Qualifications Required:

- A degree in Mechatronics Engineering or in the relevant field or equivalent.

Profile

Candidates must have:

- Research and communication skills.
- Analytical skills and adequate knowledge in the relevant fields of research.
- Ability to model and simulate electrical power generation systems from renewable sources of energy (Photovoltaic/Wind).
- Experience in computational fluid dynamics, artificial intelligence and optimisation techniques.

Responsibilities & Duties

- Assist in literature review and project documentation.
- Assist in the data collection and field measurements of parameters of the building/environment.
- Prepare the data for input into the software for the simulations.
- Develop/adapt the programs/interfaces for the different optimisation platforms.
- Run the simulations and compare results.
- Report and paper writing as well as presentation of project outcome.
- Any other duty as may be assigned by the Principal Investigator.

Remuneration

A monthly all-inclusive allowance of Rs13,700/-, plus travelling expenses by bus.

Duration of Contract

Appointment will be offered for a contractual period of 6 months. The proposed starting date will be **16 June 2022**.

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 Engineering (Attention: Associate Professor (Dr) Robert T. F. Ah King)**,

University of Mauritius, Réduit, OR email address to *r.ahking@uom.ac.mu* and copied to *deanfeng@uom.ac.mu* by **3 June 2022**, at latest.

The envelope should be clearly marked “**Research Assistant for the project: Effects of Shadowing and Noise Levels of Wind Turbines in the Design of Hybrid Photovoltaic/Wind Power Generation Systems for High Rise Buildings: Case Study for the Engineering Tower at the University of Mauritius**” 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 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 May 2022

Dean, Faculty of Engineering