



UNIVERSITY OF MAURITIUS

VACANCY

Applications are invited from suitably qualified candidates for the post of **Research Assistant (Part-Time)**, to work at the Mechanical & Production Engineering Department in a project entitled "*WasteDrive - Development of a fibre composite reinforced electric scooter based on high performance natural fibres from agricultural waste products*", for a contractual period of three (3) months, starting from May 2022. The appointment can be renewed or extended upon mutual agreement.

Qualifications Required:

- BEng (Hons) Mechanical Engineering, or BEng (Hons) Mechanical Engineering (Minor: Industrial Systems) or BEng (Hons) Mechatronics Engineering

Profile:

Candidates must have:

- Good communication skills including report writing.
- Knowledge of basic statistics and statistical analysis of experimental data.
- Good interpersonal skills and ability to work in a team.
- Ability to work within agreed timelines and to communicate clearly and effectively.
- Willingness to acquire further knowledge/skills in current areas of competencies as well as to learn new concepts outside current areas of competencies.

Main Responsibilities & Duties

- Carry out critical literature review in the related field of research.
- Perform relevant duties (such as collection of agro-wastes and plants from fields, etc.).
- Assist in the design and modelling of any new manufacturing method or machinery.
- Conduct extensive data processing and data analysis.
- Prepare regular progress reports and a final report.
- Assist in the presentation of results obtained.
- Attend seminars and/or workshops as deemed appropriate by the research team.
- Perform any other cognate duties as defined by the Project Leader.

Remuneration:

A monthly all-inclusive allowance of Rs12,763/-, plus travelling expenses, based on bus fares.

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 H Ramasawmy (haree@uom.ac.mu copied to deanfeng@uom.ac.mu) by **15h00 on Tuesday 10 May 2022, at latest**. The e-mail should be clearly marked “**Research Assistant for the WasteDrive Project**”.

Applications received after the closing date will not be considered.

The University of Mauritius 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.

Dean, Faculty of Engineering
27 April 2022