

VACANCY

Post: RESEARCH ASSISTANT (Part-time)

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, starting on 15th August 2024 and ending on 31st December 2024.

Qualifications Required:

- BEng (Hons) Mechanical Engineering, or BEng (Hons) Mechatronics Engineering with at least a Second Class Second Division Honours degree.

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.
- Development of relevant fibre tape treatment method.
- Development of composite processing method(s).
- Design and 3D modelling of moulds.
- Casting of Composites.
- 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 basic allowance of Rs 15,087/-, 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 Thursday 01st August 2024** 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/apititude test as and when required.

24th July 2024