UNIVERSITY OF MAURITIUS

VACANCY

Applications are invited from suitably qualified candidates for the post of ***Research Assistant*** **(Full-Time),** to work on the research project entitled ***"Design and development of a multifunctional robotic sea navigation, monitoring and intervention system",*** for a contractual period of 7 months.

Qualifications Required:

- A degree in BEng (Hons) Mechatronics or Mechanical Engineering.

Profile

Candidates must have:

- Excellent analytical, laboratory, communication and scientific writing skills (including technical report writing skills);
- Adequate knowledge in the relevant field of research;
- Experience in the design and implementation of robotic prototypes.

Responsibilities & Duties

- Carry out in-depth literature review in the field of research;
- Develop models and carry out simulations in specialized software;
- Design, develop and test a robotic navigator system along with its support services (oil removal system, geographical mapping system, water quality measurement system and solar PV power module);
- Collect, monitor and analyze experimental data and draw conclusions;
- Report to the Principal Investigator and other team members;
- Report and paper writing as well as presentation of project outcome.

Remuneration

A monthly all-inclusive allowance of Rs25,525/-, plus travelling expenses by bus.

Duration of Contract

Appointment will be offered for a contractual period of 7 months, renewable if required. The proposed start will be around end of January 2022.

Mode of Application

Letter of application together with a detailed *Curriculum Vitae* and scanned copies of qualifications, birth certificate, marriage certificate (if applicable), testimonials and equivalence of qualifications (where applicable) should be sent to email address *(d.callychurn@uom.ac.mu)* and copied to *(deanfeng@uom.ac.mu)* by ***17 January 2022*****, at latest.**

The email should be entitled as **"Research Assistant -** ***Design and development of a multifunctional robotic sea navigation, monitoring and intervention system".***

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.

10 January 2022 **Dean, Faculty of Engineering**