



MAKERERE UNIVERSITY

TRAINING OPPORTUNITY WITH SEE@MAK FOR 3RD YEAR ENGINEERING STUDENTS



MAKERERE UNIVERSITY

Sustainable Energy and Entrepreneurship at Makerere (SEE@Mak) is a multidisciplinary research group at Makerere University formed to champion sustainable energy utilisation for socio-economic empowerment. The group is running the TUM SEED Center @ Makerere University project formed through a partnership between Makerere University and the Technical University in Munich, Germany.

In 2022, the TUM SEED Center @ Makerere University commissioned the Makerere University Living Lab (MULL) at Kyampisi, about 75 km from Kampala. MULL currently has a 10 kWp PV plant set up within a clustered agricultural community of approximately 200 households. As part of the productive use of energy, the plant supports the pumping and supply of clean water and also powers a multi-utility shop for one of the community members. It is planned, this year, that the project will support coffee post-harvest processes as well as biogas and briquette production.

Recently, MULL gained the interest of the Centre of Renewable Energy System Technology (CREST) at Loughborough University. The CREST team intend to install a remote monitoring Unit (RMU) on the PV Plant as part of their ongoing process of testing, validating and improving the unit's design and operation. This development has created an opportunity for **two (2) Makerere University students** to work on (i) understanding the design and operation of the RMU and (ii) analyzing the data collected by the network of units installed locally and in other countries.

This training is scheduled to start in March 2024 and could go up to June 2025. This therefore is a call for interested **third-year undergraduate students of Mechanical and Electrical Engineering** who are willing to undertake the mentioned training, continue with the project during the industrial training period and eventually develop a final year project around the stated objectives to apply with a letter of motivation, a CV and a testimonial. These are to be sent to cedat.soe@mak.ac.ug by **5 pm** on the **6th of March, 2024**. Note that when applying, the subject of the email should contain "SEE@Mak".

Whilst the bulk of the work will mainly be based at Makerere University Kampala, the students might occasionally be required to travel to the living lab. The students will **only** be financially facilitated when they travel. During the semester, the amount of time devoted to this project should not exceed 10 hours per week.