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THE OFFICE OF THE ACADEMIC REGISTRAR

ANNOUNCEMENT

PHD SCHOLARSHIPS IN ENGINEERING FOR THE 2022/2023 ACADEMIC YEAR

The Academic Registrar, Makerere University invites applications from suitable candidates from Uganda for fully funded PhD scholarships in Engineering for the 2022/2023 Academic Year tenable in the College of Engineering, Design, Art and Technology (CEDAT).

The scholarships are part of a partnership between Makerere University and King's College London under the Association of Research Universities in Africa (ARUA) Plus Alliance. The scholarships complement ARUA's existing and in-development programmes to enhance the research and development capacity in Africa. With a particular focus on Engineering, the scholarships also seek to facilitate close working relations with industry in order to build research and innovation ecosystems within universities - including training in commercialization and knowledge transfer. It is expected that upon graduation, the students would contribute towards frameworks for technological innovation and sustainable development in Africa.

Key Priority Research Areas

The scholarships are to support research in the following key priority areas:

- 1) Affordable and clean energy encompassing renewable energy production, energy storage, energy distribution, monitoring and evaluation systems.
- 2) Sustainable production and consumption covering material development (including nano-material design), manufacturing and supply chain systems, as well as waste management and valorisation.
- 3) Food security focusing on food production, food processing and quality control as well as food waste remediation and valorisation.

All these areas are broadly conceived, and students should be able to identify and articulate a research issue within them. Students are also encouraged (but not required) to identify 1-3 company(ies)/industry(ies) they would consider appropriate for the industry-stay component of the scholarship.

Application Procedure

Makerere University Online Application Portal Userguide

1. Visit the Makerere University's Admissions URL <https://apply.mak.ac.ug>
2. Sign up using full name, e-mail and Mobile No. Please note that your name must be consistent with the one on your supporting academic documents for your application to be considered valid.
3. A password will be sent to both your e-mail and mobile number.
4. The system will prompt you to change the password to the one you can easily remember.



5. To fill a form (all form sections must be filled) the applicant clicks on the **APPLY NOW** button (for first time applicants) or **MY PORTAL** button (for renewal of application) displayed on the appropriate scheme i.e. Taught PhDs, Masters & Postgrad Diplomas **OR** PhD by Research.
6. All academic transcripts/certificates and passport photos should be scanned and uploaded on the system.
7. You can access the referees' letter by following the following link: <https://rgt.mak.ac.ug/sites/default/files/file-attachments/Referee-Letter-of-Recommendation-for-Admission-to-Graduate-Programme.pdf> . These should be filled, scanned and uploaded.
8. Obtain a payment ref no. by clicking on "Pay for Form" button
9. Make payments at any of the banks used by URA
 - i) Application fee = Ugx **50,000** (East African applicants) or Ugx **151,500** (International Applicants)^[001]

NB. 2 Sets of the system generated application forms, certified copies of academic documents and 4 copies of the concept note should be submitted to office no. 410, Level 4, Senate Building, and email scanned copies of the documents as a single PDF document to cedat.soe@mak.ac.ug.

In addition to the application for admission, for the scholarship application, applicants must also submit a 6-page (in single space, font size 11) research synopsis covering the Title of the Study; Study Background, Problem Statement; Key research question, Study objectives, Significance/rationale for the study; Conceptual Framework, Methodology and a Literature review (**not more than three pages**).

The research synopsis should come from any one of the priority research areas identified for this call. In addition, applicants should submit:

- 1) A curriculum vitae showing academic qualifications, work experience and any other relevant information
- 2) A letter of motivation and justification for the scholarship award based on the specified criteria (max. 1,000 words)
- 3) At least two letters of recommendation including from (i) an academic referee and, where possible, (ii) an industry referee
- 4) A copy of the applicant's National Identity Card

Eligibility for the Scholarship

In addition to the general admission requirements of Makerere University, applicants should possess the following qualifications and experience:

- 1) A Bachelor of Science degree in Engineering, from a chartered institution, with a Minimum of an Upper Second Class or its equivalent
- 2) A Master of Science Degree in Engineering with Merit or above (as may be applicable). This scholarship particularly targets recent graduates (from a chartered institution) and staff of Makerere University. Female applicants are particularly encouraged to apply.
- 3) The proposal's relevance to the call: Candidates should present proposals addressing any of the priority research areas for this scholarship.



- 4) Teaching and/or research experience is considered essential. If not already a faculty member at Makerere University, successful applicants shall be considered for Graduate Fellowships that carry a requirement for teaching.
- 5) Applicants for the scholarship must demonstrate commitment to pursue their programmes within the stipulated timeframe on full time basis.
- 6) Applicants must be citizens and residents of Uganda at the time of application, and ready to stay and work in Africa upon completion of their studies.
- 7) Working experience in industry or related field experience of at least one year will be an added advantage.
- 8) Applicants must be ready to take on full-time studentship at Makerere University and also be willing to spend up to three (3) months at King's College London.
- 9) Applicants must be ready to spend circa three - six (3 - 6) months in industry over the course of their PhD studying a specific challenge and/or testing or validating prototype solutions.
- 10) Applicants must be ready to study a set of taught courses as recommended by the program to enhance their research capacity. These courses will be delivered by Makerere University and by King's College London.
- 11) Applicants should not hold any other scholarship for any academic programme at Makerere University or any other university and not received a scholarship for a similar programme in the past.
- 12) Should demonstrate specific interest in pursuing a career for the theme of study chosen.

Eligible candidates will be evaluated by an international committee, comprising of representatives from Makerere University and King's College London.

Scholarship Coverage

The scholarship will cover tuition, functional fees, an allowance for field-based research, support for the study program at King's College London, and a stipend for the stipulated period of study (4 years).

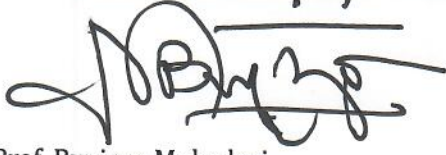
Scholarship Conditions

- 1) Three (3) PhD scholarships are available in this call.
- 2) The award covers only 4 years specified for the PhD program. Students are encouraged to complete their studies within this timeframe.
- 3) Scholarship awardees will be required to submit annual Progress Reports to justify further funding. Poor progress may automatically lead to cancellation of the scholarship.
- 4) Failure to complete studies and graduate within the stipulated programme period without sound reason (unrelated to illness or other such compassionate conditions) will lead to automatic cancellation of the scholarship and under certain circumstances, a refund may be demanded.
- 5) The student should be willing to take part in industry/field excursions and other activities organised by the Scholarship Programme.
- 6) Payments of tuition and functional fees will be made directly to Makerere University and stipend to the student's bank account.



For any further information about the scholarship, contact the Dean, School of Engineering, College of Engineering, Design, Art and Technology (CEDAT) via email at cedat.soe@mak.ac.ug

Closing date for Applications: Friday, 31st March 2023



Prof. Buyinza Mukadasi
ACADEMIC REGISTRAR