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**CALL FOR APPLICATION FOR SHORT TRAINING: ADVANCED PROFESSIONAL TRAINING IN
HEALTHCARE TECHNOLOGY MANAGEMENT**

The Government of Rwanda with support from the African Development Bank (AfDB) established a “**Regional Centre of Excellence in Biomedical Engineering and e-Health (CEBE)**” at the University of Rwanda (UR).

The Centre (CEBE) is implemented by the University of Rwanda, and the Centre is a Medical Educational Program with the main objective to establish a network of Centre of Excellence (CoE) within the region. The Centre seeks to scale up skills, advancing knowledge and excelling in higher education in East Africa in a regional integration framework. The development objective of the Centre is to contribute to the development of a relevant and quality skilled workforce in biomedical sciences and e-Health to meet EAC's immediate labour market needs.

The expected outcomes of the Regional Centre of Excellence in Biomedical Engineering and e-Health (CEBE) are:

- ✓ Enhance technology integration in the Biomedical sector for rapid development of a more efficient and cost-effective service delivery system in Rwanda
- ✓ Create an enabling environment for transforming Rwanda into an attractive and competitive medical tourism destination, therefore linking Biomedical sector industry development and economic transformation
- ✓ Develop a critical mass of labour-intensive support personnel for the sector through the creation of an enabling environment for hands-on skills development and R&D capability in strategic areas such as biomedical engineering and ICT
- ✓ Attract FDI support

The University of Rwanda through CEBE announces a call for application for **Advanced Professional Training in Healthcare Technology Management scheduled from 15th to 26th November 2021.**

This advanced professional training in **Healthcare Technology Management** will take 2 weeks. The course provides managerial skills at all levels of the organization process, sound conceptual, technical, and interpersonal skills in order to carry out the required managerial functions of planning, organizing, staffing, directing, controlling and decision making for the sake of efficient and effective healthcare service delivery. In addition, it provides advanced knowledge to ensure improved access, quality and use of medical equipment and technologies.

The Continuing Professional Development (CPD) course is designed for Healthcare professionals with Biomedical/Clinical Engineering background, Procurement professionals, Electrical & Electronics Engineers transitioning into Health Technology Management, Practicing Hospital Head of Biomedical Engineering Departments.



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Clinicians, Healthcare professionals, NGO's, academic staff with keen interest in innovation and health technology, quality assurance and regulatory professionals, are also permitted.

Basic understanding of management, healthcare environment, quality systems, patient safety and engineering principals are desirable but not essential but the course will deliver on these topics as well.

The cost of the training is **539,126 Rwf for Rwandans, 628 USD for citizens of other EAC Partner state member, and 897 USD for other participants.**

Learning outcomes:

At the end of the Advanced Professional Training in Healthcare Technology Management, trainees will be able to demonstrate knowledge and understanding of:

- Hospital environment and equipment that is used in different areas of the hospital.
- Matching the equipment with their companies of origin and how to work with different manufacturers and vendors.
- National and International regulatory agencies, standard organisations and Biomedical engineering professional bodies.
- How to identify the class and type of medical equipment based on IEC 60601 standards.
- How to perform electrical safety tests and identify all the areas of patient safety related to electricity.
- Medical equipment lifecycle principles: from the identification of the technology through to decommissioning via acquisition.
- Asset management and the use of Computerised Maintenance management system in the management of medical equipment.
- Comparison between different CMMS commercially available and open sources and a Rwanda MEMS.
- Standard operating procedure related to data management and the improvement of MEMS.
- An introduction to financial management with case studies, Biomedical engineering budget, management of biomedical engineering department.
- Impact of Healthcare Technology Management in Healthcare services delivery (Capacity building, patient safety and Quality Management).

The topic to be covered are the following:

- Biomedical Engineering in Modern healthcare
- Electrical Safety test and Standards
- Medical Equipment life cycle - Acceptance testing
- Medical Equipment life cycle – Preventative maintenance
- Medical Equipment life cycle – Inventory Management and CMMS



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- Medical Equipment Inventory and Database Understanding of MEMMS System
- Visit of CHUK to understand NTM in the hospital context
- Quality Systems Management, Introduction
- Clinical Engineering Financial Management
- Impact of HTM in Modern Healthcare settings: Patient Safety, Quality Management & Capacity Building.

Award and require level of participation:

Trainees will be awarded credited Continuous Professional Development (CPD) certificate, and to only those with 90% and above, attendance. The eligible candidates are from Rwanda, EAC Partner States and others.

The applicants should submit the following documents:

1. Application letter (should address commitment and reasons for interest in the advanced professional training) addressed to the Director of the CEBE, University of Rwanda
2. Curriculum Vitae
3. Copy of National Identity Card or passport

The complete applications in softcopy should be submitted to the following [link: www.cebe.ur.ac.rw/apply-professional-training](http://www.cebe.ur.ac.rw/apply-professional-training) not later than 29th October 2021 at 5:00 pm. Copy to Alphonsine Musabyimana on the following email: alphomusa@gmail.com

The selected candidates will be contacted and be informed on the status of their application. The admitted candidates will report to start the course on the dates of the respective course.

For more information please contact Dr. Gerard RUSHINGABIGWI, Coordinator of MSc. Degree Program in Biomedical Engineering under CEBE, on email: g.rushingabigwi@gmail.com

Done in Kigali on 14th October, 2021

Dr Ignace GATARE
Principal

