Regional Center of Excellence in Biomedical Engineering and E-Health (CEBE)

CALL FOR APPLICATION FOR TRAINING IN ADVANCED PROFESSIONAL SHORT COURSES IN BIOMEDICAL ENGINEERING AND e-HEALTH

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 is part of a network of regional centers of excellence in the East African Community (EAC). The Center 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 Center is to contribute to the development of a relevant and quality skilled workforce in biomedical engineering sciences and e-Health to meet EAC's immediate labor 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 and EAC;

- ✓ 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 labor-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 a biomedical engineering and e-Health

- ✓ Attract Foreign Direct Investment (FDI) in Biomedical Engineering and e-Health

The University of Rwanda through CEBE announces a call for application for training in various advanced professional short courses in Biomedical Engineering and eHealth. To start with, the four following courses (1 for Biomedical engineering and 3 for eHealth) are announced with respective dates of start;

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1. ***Advanced Professional Training in Healthcare Technology Management from 4th to 18th November 2019***

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. 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 Rwandan, 628 USD for citizen of other EAC Partner state member or 897 USD for Student with no EAC citizenship.**

2. **Advanced Professional Training in Security, Privacy and Legal Framework of Health Information Systems, 18th to 29th November 2019**

The advanced professional training on **Security, Privacy and Legal Framework of Health Information Systems** at the UR-CEBE, **will be offered for two weeks**. The training aims to enhance skills for local IT specialists in order to know key techniques for security and privacy of hospital data management policy for e-Health applications such as electronic medical records (EMR) and mobile health applications.

The eligible candidates should have strong background and knowledge in computer programming but also staff already working in Health Information Systems regulations, legal, standards who wish to enhance their Knowledge in Security, Privacy and Legal Framework of Health Information Systems.

The cost of the training is **366,930 Frw for Rwandan, 428 USD for citizen of other EAC member or 611 USD for Student with no EAC citizenship.**

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3. **Advanced Professional Training in Telemedicine Applications, 2ⁿᵈ December to 13ᵗʰ December 2019**

The training on **Telemedicine Applications** aims to enhance the knowledge and skills of the trainee in; the use of communications and information technology to deliver health and healthcare services, information and education where the participants are geographically separated. It helps to overcome barriers of geography, transportation infrastructure, time, and socio-economic disparity. Telemedicine applications facilitates clinical consultation including patient assessment, diagnosis and treatment, continuing professional education, health promotion, and healthcare management. The eligible candidates should have strong background and knowledge and experience as a clinician, an administrator, manager, health care IT and other professionals from a wide variety of health care disciplines but also including computer programming, who wish to enhance their knowledge in **Telemedicine Applications.**

The training will run for 2 weeks. The cost of the training is **437,251 Frw for Rwandan, 510 USD for citizen of other EAC member or 728 USD for Student with no EAC citizenship.**

For all courses, the eligible candidates are from Rwanda, EAC Partner States and others African countries

The applicants should submit the following documents:
1. Application letter addressed to the Director of the CEBE, University of Rwanda
2. Motivation letter: should address commitment and reasons for interest in the advanced professional training fellowship.
3. Curriculum Vitae
4. 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 not later than 18ᵗʰ October 2019 at 5:00 pm. Copy to; celestintwizere@gmail.com, and dktumusiime@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.
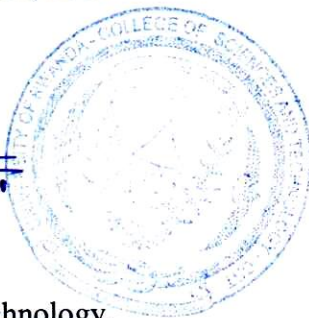
For more information please contact **Dr. Celestin Twizere,** Director of CEBE on email: celestintwizere@gmail.com and or **Dr. David Tumusiime;** Deputy Director CEBE, on email: dktumusiime@gmail.com.

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Done in Kigali on 4th October, 2019

Signed

Dr Ignace Gatare,
Principal
College of Science and Technology,
University of Rwanda.