



## **Call for application for 1 PhD position in Digital Health under the UR-Sweden Research Training Partnership Programme 2019-2024**

The University of Rwanda-Centre of Excellence in Biomedical Engineering and eHealth (UR-CEBE) in partnership with Stockholm University, Sweden, through the Research Training Partnership Programme, Rwanda, 2019-2024 received funding from the Swedish International Development Agency (SIDA), Sweden, to establish a research project entitled: ***Strengthening Research Capacity and Expertise in Digital Health***. The research training sub-programme has a goal to strengthen research and postgraduate training in Digital health as well as to develop and disseminate home-grown e-Health solutions through innovative research and development (R&D) activities involving the Government, academia, and private sector as partners.

It is in this regards that the UR cordially invites motivated candidates to apply for PhD fellowship tenable under the sandwich mode at Stockholm University, Sweden, in the field of digital health starting September 2022. One PhD student will be registered at Stockholm University, Faculty of Social Science in the department of Computer and Systems Sciences. According to the Sandwich model, student will be spending between 6-7 months in Sweden per year and carrying out their research in Rwanda for the rest of the period. The successful candidate will be supervised jointly by SU and UR senior researchers.

The PhD training intends to develop scientific and technical skills in order to deliver caliber of digital health experts/researchers who will transfer knowledge to other Rwandans and regions, through provision of professional services, consultancy, R&D, and participating in the implementation process of digital health solutions.

### **1. Funding**

The study will be supported by Sida through UR Sweden Program for Research, Higher Education and Institutional Advancement.

### **2. Admission requirements**

The PhD candidate is expected to demonstrate the interest in the area of health informatics, as well as to articulate plans for the research to pursue as part of their PhD studies and post-graduate career goals. The applicants must qualify for admission to Stockholm University in the health informatics research areas.

#### **i) Eligibility:**

- Be a Rwanda Citizen and staff of the University of Rwanda





- Holder of a master's degree or equivalent in a relevant field and documented competence in areas relevant to the position, including research experience
- Demonstrated ability to think and work independently and in a team
- Ready to adhere to UR capacity building policies and regulations
- Having interest and passion in digital health (teaching, research, inter-institution collaboration for digital related matters)
- In line with UR's gender policy and UR's commitment to bridge gender gap in academic (teaching and research) jobs; all things being equal, female candidate shall be preferred.

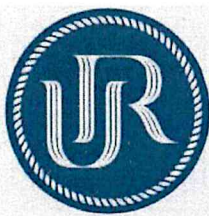
ii) **Key documents to be submitted by the applicant**

- A cover letter/Motivation letter detailing commitment, statement of goals, objectives and reasons for interest in the PhD scholarship
- An updated CV (maximum three pages), including the listing of possible previous scientific publications
- A project proposal/research concept note (maximum three pages) describing:
  - ✓ why you are interested in the field/project described in the call
  - ✓ why and how you wish to complete the project
  - ✓ what makes you suitable for the project in question

The research proposal should highlight the area of research on which the candidate intends to focus on. The area of research interest is described below in *Section 4*.

- A certified copy of your highest degree, e.g., Master's degree/higher degree certificate, with a summary of the courses/subjects included in the degree (Academic transcripts)
- Other professional certificates if available
- A summary of degree projects/theses (no more than three pages)
- 3 letters of recommendation with contact details for references
- Provide evidence of proficiency in writing and speaking English
- Your contact details and personal data





**Note:** It is the responsibility of the applicant to ensure that the application is complete in accordance with the instructions in the call, and that it is submitted before the deadline.

### 3. Selection

The selection among the eligible candidates will be based on their capacity to benefit from the training, and emphasis is placed on previous study results that must be demonstrated by academic work. This work must be an independent study/thesis at the advanced level (Master's level). If the applicant has published in peer-reviewed journals, the published article/s can be enclosed to the application. The applicant must present his/her research plan in such a way that it appears clearly which research area/s the applicant wishes to associate to the planned research project. In addition, the following criteria will be applied to assess the applicant's capacity:

- Independence in the analysis and organization of earlier work
- Problem formulation and rigor in previous work and in the research plan
- Previously shown ability to keep the specified time limits
- Methodological and scientific maturity
- Communication and cooperation skills
- Subject-specific knowledge relevant to education.

### 4. Research areas

The Doctoral education programme falls into multidisciplinary research and training programmes including students from health and life sciences, information technology, computer science, design and engineering, and related field. The PhD programme is unique and aims to nurture and prepare Doctoral candidates for successful careers and leadership that will span multidisciplinary research through innovative and technical solutions that address healthcare challenges and the role of technologies in healthcare systems. The research activities will be in close collaboration with partners from the healthcare sector, industry, and academia. The PhD candidate is invited to perform research on the following research theme:

- **Research theme D: Privacy, Integrity and Security for health information systems**

This research theme D will provide detailed technical measures, tools, guidance and operational procedures to safeguard data and health systems from any unauthorized access to or modification of information taking into account the multiple stages of a cyber attack. Topics of interests cover, for example, security and resilience for digital





health systems and services, security management practices and access control systems as well as a legal framework focusing on privacy, confidentiality, data quality, integrity, access, ownership and sharing. The specific research questions and other details of the PhD project will be developed and refined in cooperation with the supervisors after admittance.

**5. Important Dates to note**

- Application deadline: Applicants are requested to submit the required documents no later than **15 July 2022**

**6. How to apply**

All applications must be submitted in soft copy and should be sent to UR Director, Centre of Postgraduate studies GASHAYIJA UMULISA Glorioso, The Scholarships officer at UR-CPGS (email: [ur-cpgscholarship@ur.ac.rw](mailto:ur-cpgscholarship@ur.ac.rw) and copy to Dr. Celestin Twizere, email: [celestintwizere@gmail.com](mailto:celestintwizere@gmail.com) ( Applications must be received no later than **15 July 2022**)

Done at Kigali, June 14<sup>th</sup>, 2022



Ass. Prof. Charles MULINDA KABWETE  
Ag. Deputy Vice Chancellor for Academic affairs and research