University of Rwanda

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RSIF Orientation

University of Rwanda

- Organized into six Colleges across 14 campuses:
- College of Arts and Social Sciences (CASS),
- College of Agriculture and Veterinary Medicine (CAVM);
- College of Business, and Economics (CBE);
- College of Education (CE);
- College of Science and Technology (CST)(Hosting RSIF Students)
- College of Medicine and Health Sciences (CMHS)
- There are 30,214 students (33% are female) enrolled of whom
- 1,435 postgraduates (34% are female)
- 1,375 academic staff

African Center of Excellence in Internet of Things

Objectives: Educate and train African researchers in the field of IoT

Offered PHD Programmes

➢ **Embedded Computing Systems (selected by RSIF)**

➢ **Wireless Intelligent sensor networking**

Masters students Programmes

-**Embedded Computing System and**

- **Wireless Intelligent sensor networking**

Research Areas

- Major research areas: To solve problems in Health, agriculture, Energy, Transportation focusing on low-cost, open and sustainable solutions

- Key research areas: Smart farming, smart yielding, smart tea processing, smart health, smart energy, smart cities, smart home, climate change

Faculty and students

- Full Professor (4)
- Associate professor (1),
- Senior Lecturers (10),
- Lecturers (12)

- PhD students: 36
- Masters students: 128 including 32 to be graduated July 30th 2021

Partnerships & Other Donors

Key Partners

International Center for Theoretical physics (ICTP), Italy	Research Collaboration, co supervision and teaching, short courses
University of Malawi	Research Collaboration, co supervision and teaching
State University of Zanzibar, Tanzania	Research Collaboration, co supervision and teaching
Rochester Institute of Technology, USA	Research Collaboration, co supervision and teaching, Short courses, laboratories set up
SRM Institute, India	Research Collaboration, co supervision and teaching, student exchanges

Other donors: World Bank, ACE II

Supervision, Research Facilities and Coursework and publications

- Supervision: Supervisory Team (ST) comprising not more than three staff
- Main Supervisors and Co-Supervisors are any competent staff from University of Rwanda or from any Partner Institutions UR or Research Associates of UR
- The Co-supervisor who is a resident staff , responsible for monitoring the progress of the candidate and shall act as the Mentor to the student and local coordinator of the ST and the candidate
- Facilities: ECS Lab and WSN lab is being established by RIT, Fab lab at ICT chamber, University library, E-Resources, journals under UR library subscription, PhD room 24 hrs Internet access
- Coursework: Students exchange program, 2 core modules allocated by DC, 2 generic modules, academic writing training, seminars in proposal and research papers writing

- Publication: At least 3 papers published in Scopus and SCI indexed journals and conferences

Funded projects conducted at ACEIoT

SN	Type of Award	Project title	Project investigator	Partners	Budget	Funder
1	ACADEMIA-INDUSTRY COLLABORATION RESEARCH GRANT	Development of a Smart Wearable Device for Real-Time Risk Monitoring of Infectious Virus Spreading: Case Study of Covid-19	Dr Damien Hanyurwimfura	NARADA	60,000,000 RWF	National Commission of Science and Technology
2	PASET RSIF Research Grant	Real time Assessment of the indoor air pollution in Sub-Saharan households (Case study: Rwanda rural and urban areas	Dr Frederic Nzanywayingoma	Makerere University	90,000 $	ICIPE-PASET
3	PASET RSIF Cooperability grant	Smart Bee Hiving Technology	Dr Damien Hanyurwimfura	UNIMA, NARADA,	50,000 $	ICIPE-PASET
4	ACADEMIA-INDUSTRY COLLABORATION RESEARCH GRANT	A collaborative research study to assess stakeholder needs and mitigate risk in the development of Internet of Things Remote Monitoring Solutions for high-risk cold chains, aiding the storage and delivery of temperature-sensitive vaccines in Rwanda	Dr Didacienne Mukanyiligira	ID&D	60,000,000 RWF	National Commission of Science and Technology
5	Special Collaborative Research Grants to address Covid-19 Pandemic	A Technological Empowered Healthcare Delivery in the era of Covid-19	Twahirwa Evariste	SRM India	60,000,000 RWF	National Commission of Science and Technology
6	UR innovation	A muhangayiko free IoT-based smart parking assistant for smart Kigali city	Kambombo Mtonga		10,000,000RWF	UR-SIDA

Partners