CENIT@EA

Centre of Excellence for ICT
in East Africa

DIGITAL YEARBOOK
YOUNG PROFESSIONALS

3RD COHORT

An initiative of the Digital Skills for an
Innovative East African Industry project

"Dedicated to Excellence,
Committed to the Future"

The Digital Skills for an Innovative East African Industry (dSkills@EA) project is strengthening employment and innovation-related digital skills of young people in the Partner States of the East African Community (EAC) through short courses, the promotion of entrepreneurship activities and technology transfer. It also supports the Centre of Excellence for ICT in East Africa (CENIT@EA) in the implementation of its activites.
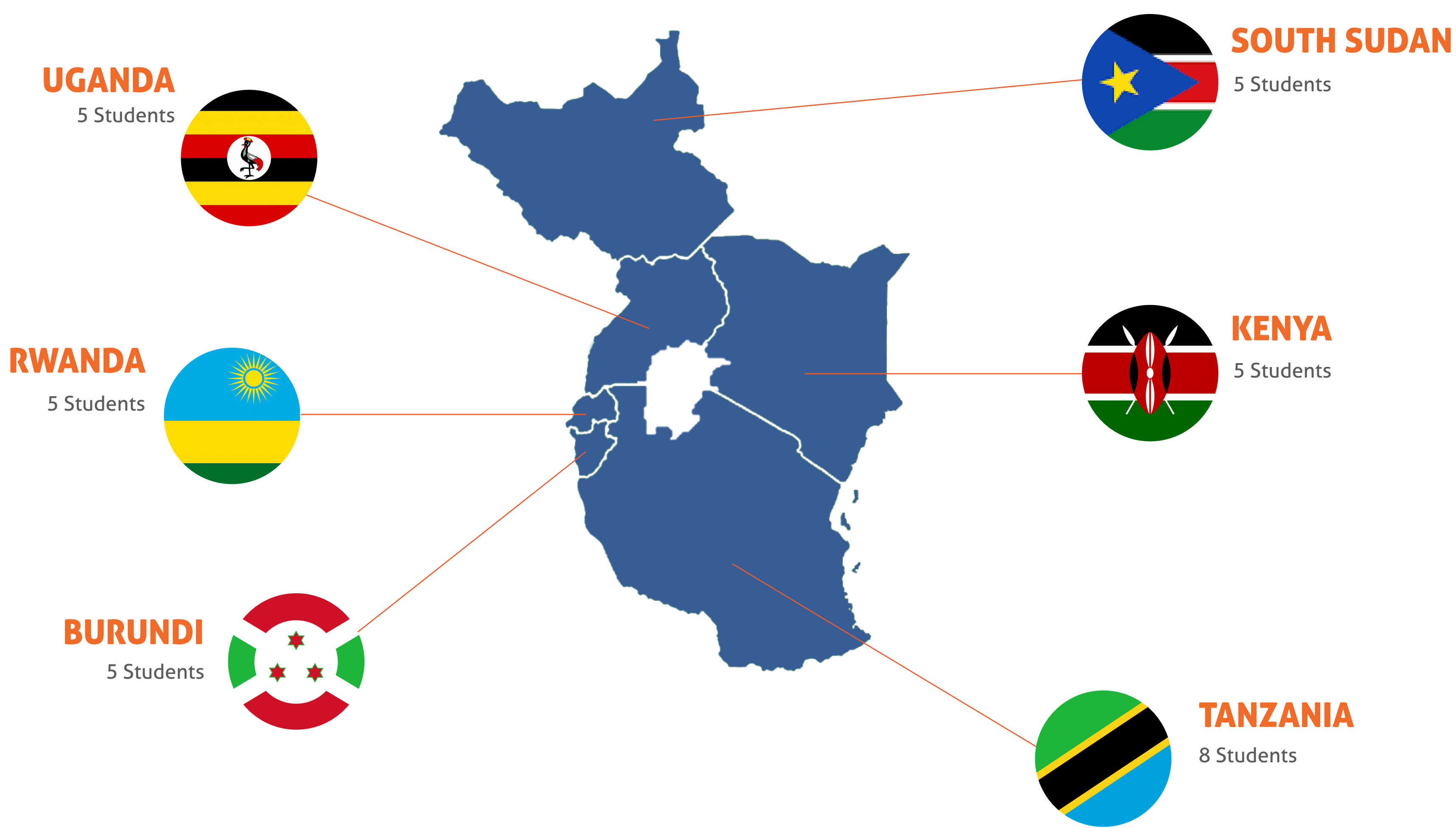
CENIT@EA is a regional innovation hub of the EAC which offers a competitive Master in "Embedded and Mobile Systems" (EMoS) that follows a market-driven approach and includes practical elements, such as an internship, an applied Master thesis, Summer Schools and guest lectures from the private sector, as well as Entrepreneurial and Soft Skills training.

This Digital Yearbook showcases the skills profiles of the Young Professionals of the 3rd cohort of the Master in Embedded and Mobile Systems. These Young Professionals have an excellent academic record and on average over three years of relevant work experience. They are motivated to develop digital solutions for the challenges the East African private and public sector are facing. If your company or organization is looking for the right skills for the digital transformation of their businesses and improvement for operations, take a look at the profiles and contact the Young Professional of your interest directly.

CENIT@EA
Centre of Excellence for ICT
in East Africa

FACTS ABOUT THE YOUNG PROFESSIONALS

3.3⁺ Years of Work Experience

UGANDA
5 Students

RWANDA
5 Students

BURUNDI
5 Students

SOUTH SUDAN
5 Students

KENYA
5 Students

TANZANIA
8 Students

MAJOR AREAS OF INTEREST

Health	Education	Security
Agriculture	Industrial Automation	Renewable Energy
E-Government	Transport and Smart Mobility Solutions	Smart Home

ALEXANDRE NIYOMUGABA

Rwanda | English, Kinyarwanda, French | **MSc EMoS track:** Embedded Systems

BSc in Computer Science, Ruhengeri Institute of Higher Education, Rwanda

ACHIEVEMENTS AND CERTIFICATES

Certificate of Web development and Database Disign, Ministry of ICT, Rwanda, 2014

IBM Academic Certificate, IBM Middle East and Africa, 2015

The Development of a System Network Security that enables users to get internet access within the Institution by using only their personal Accounts.

PROFESSIONAL SKILLS

Python Programming

Java Programming

SQL

Systems Development and Security

c/c++ Programming

Networking

HTML/CSS

WORK EXPERIENCE

May 2019 – Dec 2020	Network and Systems Administrator, Ruhengeri Institute of Higher Education, Rwanda
May 2018 – May 2019	Network Administrator, Ruhengeri Institute of Higher Education, Rwanda
April 2016 – April 2018	Lab Attendant, Ruhengeri Institute of Higher Education, Rwanda

+250 788 798 762

niyoalexa@gmail.com

+250 788 798 762

@NIYO_ALEXA

MAJOR AREAS OF INTEREST IN ICT

ICT for Security

ICT for Transport

ICT for Health

CENIT@EA
Centre of Excellence for ICT
in East Africa

ALVAREZE NTAFATIRO

Burundi | Kirundi, French, English | **MSc EMoS track:** Embedded Systems

BSc in Software Engineering, Lake Tanganyika University, Burundi

+255 765 786 422

nalvareze31@gmail.com

+257 790 654 79

@NtafatiroA

MAJOR AREAS OF INTEREST IN ICT

Internet of Things

ICT for Education

Software Development

ACHIEVEMENTS AND CERTIFICATES

Development of Mobile application based on control and data archiving related to road traffic, Burundi 2018

Certificate of completion, YALI Regional Leadership Center East Africa Program, 2020

Certificate of participation, Facebook Developer Circles and Andela, BuildforSDG Challenge Program 2020

PROFESSIONAL SKILLS

Python Programming

Java Programming

Database System development MySQL/SQL

IoT and Embedded Systems development

WORK EXPERIENCE

Feb 2019 – Dec 2020 — Software Developer, Burundi Infinity technology (BIT) Solutions, Burundi

May 2016 – Aug 2016 — Internship in Computer Maintenance Service, REGIDESO, Burundi

CENIT@EA
Centre of Excellence for ICT
in East Africa

ANGELIQUE MUKANEZA

Rwanda

English, French and Kinyarwanda

MSc EMoS track: Mobile Systems

BSc in Information Technology from Makerere University, Uganda

ACHIEVEMENTS AND CERTIFICATES

Hardware and software maintenance, Web Info Net Ltd, Kampala, 2015

Entrepreneurship Training at NM-AIST, Arusha, 2021

PROFESSIONAL SKILLS

Python Programming

Java Programming

SQL

Dart Programming

IT Project

H/S Maintenance

WORK EXPERIENCE

Jan 2018 – Jan 2021	Trainer at Remera Rukoma TVET, Rwanda
Mar 2017 – Dec 2018	Digital Ambassador at Ministry of ICT, Rwanda

+250 786 164 849

angeliquem@nm-aist.ac.tz

+250 786 164 849

MAJOR AREAS OF INTEREST IN ICT

ICT for Education

ICT for Entrepreneurship

ICT for Health

CENIT@EA
Centre of Excellence for ICT
in East Africa

ANTHONY TABAN JOSEPH JUNGO

South Sudan   English, Arabic   **MSc EMoS track:** Mobile Systems

BSc in Computer Science, University of Juba, South Sudan

+255 683 332 640

josepha@nm-aist.ac.tz /
tonij1918@gmail.com

+255 763 977 835

@anthony_joseph1

MAJOR AREAS OF INTEREST IN ICT

ICT for Health

Software Development

ICT for Entrepreneurship

ACHIEVEMENTS AND CERTIFICATES

UPTECH computer Education, Uganda, Networking Certificate, 2019

UNDP Sudan, Youth Innovation Challenge for designing a mobile application for conflict affected areas South Sudan, 2020

PROFESSIONAL SKILLS

C# programming

HTML

JavaScript

CSS

Java programming

Vb.net

SQL

WORK EXPERIENCE

Mar 2016 – Dec 2021   Database Assistant, Ministry of Education, South Sudan

Feb 2019 – Dec 2020   Teaching Assistant, University of Juba, South Sudan

Sep 2018 – Oct 2019   Teaching Assistant, Starford University, South Sudan

CENIT@EA
Centre of Excellence for ICT
in East Africa

ALFRED ONEK

South Sudan   Ma'di, Acholi, English   **MSc EMoS track:** Mobile Systems

BSc in Information Technology, Makerere University, Uganda

ACHIEVEMENTS AND CERTIFICATES

1st Class PostGraduate Diploma in Monitoring and Evaluation, Uganda Management Institute, Uganda

Focal person South Sudan Customs Service, Nimule Station - ICT Infrastructure Upgrade and Improvement

PGD Monitoring and Evaluation, Uganda Management Institute, Uganda

Certificate in Graphic design and Image editing, Makerere University Center for Professional Skill Development, Uganda

PROFESSIONAL SKILLS

Python Programming

Java Programming

Computer Networking

System Administration

SQL, PHP, HTML, CSS, JavaScript

Mobile Application Development

Systems Analysis & Design

WORK EXPERIENCE

Mar 2015 – Jan 2021   System Administrator and Analyst, South Sudan Customs Service, South Sudan

June 2014 – Feb 2015   System Administrator, College of Computing, Makerere University, Uganda

June 2013 – May 2014   Intern, College of Computing and Informatics Sciences, Makerere University, Uganda

Contact

+211 922 086 264

onekalimas@gmail.com

+211 922 086 264

@OnekAlfred

MAJOR AREAS OF INTEREST IN ICT

Agriculture Automation

ICT for Health

E - Government

CENIT@EA
Centre of Excellence for ICT
in East Africa

ATENY GABRIEL AGUTO

South Sudan	Juba Arabic, English	**MSc EMoS track:** Embedded Systems

BSc in Electrical Engineering, Kampala International University, Uganda

+255 753 750 180

atenygabrielaguto@gmail.com/
atenygabriel-aguto@outlook.com

+211 921 028 989

@ateny_aguto

MAJOR AREAS OF INTEREST IN ICT

Smart Home Automation

Renewable Energy integration (Solar & Wind)

Industrial & Power Automation

ACHIEVEMENTS AND CERTIFICATES

Certificate of Training, South Sudan Electricity Cooperation, Juba, South Sudan, 2010

Certificate of Training, Dar Petroleum Operating Company, Juba, South Sudan, 2017

Certificate of Participation, Engineers Exhibition & Conference, Kyambogo University, Kampala Uganda, 2018

Certificate of Recognition, IEEE Student's Project Awareness Conference (SPAC2019), Kampala Uganda, 2019

PROFESSIONAL SKILLS

Electrical power: Generation, Transmission & Distribution

Renewable (Solar) Design

Industrial Automation & Control (VFD)

Electronic Circuit Design, Instrumentation & Electrical Measurements

PCB Design & Analysis, Proteus, LabView, MAT-LAB & Circuit Soldering

Sensors & Actuators

C/C++ Programming

WORK EXPERIENCE

July 2020 – Dec 2020	Teaching Assistant, University of Juba, South Sudan
July 2020 – Dec 2020	Electronics Lab Technician, STEMI - University of Juba, South Sudan
Jan 2012 – Dec 2013	Electrical Supervisor, AECOM, South Sudan
Jan 2010 – Dec 2015	Electrical Supervisor, Pacific Architect & Engineers (PAE), South Sudan

CENIT@EA
Centre of Excellence for ICT
in East Africa

BONIFACE NTAMBARA

Rwanda   English, French, Kinyarwanda   **MSc EMoS track:** Embedded Systems

BSc in Electrical Power Engineering, University of Rwanda, Rwanda

ACHIEVEMENTS AND CERTIFICATES

Two certificates in Technical Aircraft Maintenance and Aircraft Engine/Aeronautical Engineering, Samara University/Delft University, 2019

Energy and Power Engineering certificate, ACE II ESD/University of Rwanda, 2019

Smart Energy Meter for Overload Control and Trip service based on IoT that reports to utility via SMS

PROFESSIONAL SKILLS

MATLAB/Simulink

ETAP Software

Arduino

MS Office Packages

Internet Of Things Systems

Python Programming

SCADA/PLC

WORK EXPERIENCE

July 2020 – present	CEO/Founder, GCEEC Limited, Rwanda
June 2019 – Aug 2020	Maintenance/Electrical Engineer, One & Only Gorilla's Nest, Rwanda
Sept 2014 – Feb 2017	Project Engineer, General Electric, Rwanda

+255 758 034 053

bonifacen@nm-aist.ac.tz

+250 788 288 561

@michboniface

MAJOR AREAS OF INTEREST IN ICT

Internet Of Things for Electronics & Energy

Aeronautic & Aerospace Engineering

Industrial Engineering

CENIT@EA
Centre of Excellence for ICT
in East Africa

DAUDI FLAVIAN

Tanzania   Swahili, English   **MSc EMoS track:**   Mobile Systems

BSc in Information Technology, Arusha Technical College, Tanzania

ACHIEVEMENTS AND CERTIFICATES

Certificate of completion, Fiber Optic Network Design, 2020 at Viscar Integrated Consulting Limited, Tanzania

Certificate of completion, Android Mobile Application Development, 2014 at Arusha Technical College, Tanzania

PROFESSIONAL SKILLS

Python Programming

Java Programming

Dart Programming

Mobile App Development

Systems Development

Artificial Intelligence

Computer Networking & security

Contact

+255 768 102 386

flaviand@nm-aist.ac.tz

+255 768 102 386

@FlavianDavy

MAJOR AREAS OF INTEREST IN ICT

Artificial Intelligence

Data Science (Big Data)

Mobile Application Development

CENIT@EA
Centre of Excellence for ICT
in East Africa

DICKSON TUWEI KIPKETER

Kenya | English, Kiswahili, Kalenjin | **MSc EMoS track:** Embedded Systems

BSc in Computer Science, Moi University, Kenya

+254 707 970 010

kipketert@nm-aist.ac.tz

+254 707 970 010

@dickson_tuwei

MAJOR AREAS OF INTEREST IN ICT

Smart Agriculture

Telecommunication Networks

Automotive Industry

ACHIEVEMENTS AND CERTIFICATES

Big Data Engineer Certificate, IBM, July, 2020

Certified Security Certificate (HCIA), Huawei, May, 2020

Routing and Switching Certificate (HCIA), Huawei, August, 2019

Business Processes Re-engineering (BPR) Training, Korean e-Government Cooperation Project for the Government of Kenya at Serena Nairobi Hotel, November, 2019

Designing the Network Architecture in Kisii Referral Hospital in implementation of Universal Health Care 2019, Kenya

Winning Year Award for Championing the Conservation of Environment by Ecological Christian Organization (ECO), Care for Creation Held in Kampala Uganda, July, 2018

PROFESSIONAL SKILLS

Skill	Level
Python Programming	●●●○○
Java Programming	●●○○○
SQL	●●●○○
Networking	●●●●●
IT Project Management	●●●○○
Database System (MYSQL/SQL)	●●●○○
Machine Learning	●●○○○

WORK EXPERIENCE

Jun 2019 – Jul 2020	ICT Lead, Ministry of ICT and Innovation, Kenya
Jan 2017 – Dec 2017	Deputy Presiding Officer, Independent Electoral and Boundaries Commission, Kenya
Aug 2016 – Jan 2017	Intern, Moi University Department of ICT, Kenya

CENIT@EA
Centre of Excellence for ICT
in East Africa

EDSON MWAMBE

Tanzania   English, Swahili   **MSc EMoS track:** Embedded Systems

BSc in Electronic Science and Communication, University of Dar es Salaam, Tanzania

ACHIEVEMENTS AND CERTIFICATES

9 - month volunteering and leadership development initiative with UNICEF-Tanzania, 2020/21

1st Winner in Hult prize OnCampus competition at University of Dar es salaam, December 2018

First Class With Honours, Bachelor Electronic Science and Communication, University of Dar es salaam, 2016 – 2019

PROFESSIONAL SKILLS

Python Programming

Java Programming

Networking

C/C++ Programming

Machine Learning

Internet of Things

WORK EXPERIENCE

Dec 2018 – May 2019   System Developer, Y4C-UNICEF, Tanzania

Jul 2017 – Sep 2017   Trainee Engineer, TTCL, Tanzania

+255 656 288 050

edsonmwambe4@gmail.com

+255 656 288 050

@EdsonMwambe

MAJOR AREAS OF INTEREST IN ICT

ICT for Education

ICT for Transport

Smart Home

CENIT@EA
Centre of Excellence for ICT
in East Africa

FAITH FELIX

🇹🇿 Tanzania	🌐 English, Swahili	**MSc EMoS track:** Mobile Systems

🎓 BSc in Computer Science, Institute of Accountancy Arusha, Tanzania

🏆 ACHIEVEMENTS AND CERTIFICATES

Participant, Arusha ICT innovation Challenge, Tanzania, 2018

Robotics and Coding, e3empower, 2017

Arduino Course, e3empower, 2017

Development of a local Surgery Register Database System for Jakaya Kikwete Cardiac Institute

💡 PROFESSIONAL SKILLS

Python Programming	
Java Programmin	
SQL and SQLi	
Web Development (HTML, PHP, CSS)	
Artificial Intelligence	
Android Development	
Open-Source Software Development	

💼 WORK EXPERIENCE

Oct 2018 – Dec 2020	IT officer, Jakaya Kikwete Cardiac Institute (JKCI), Tanzania
July 2019 – Oct 2019	Biometric Information System (BIMS) Officer, Ministry of Home Affairs joints UNHCR, Tanzania
July 2017 – Oct 2017	IT Technician, Tanzania Revenue Authority, Tanzania
June 2015- Nov 2015	System Trainer, Kilwa-Road Police Regional Hospital

📞 +255 656 065 737

📧 felixf@nm-aist.ac.tz/pepeyfaith@gmail.com

📱 +255 656 065 737

🐦 @faithlyxie

MAJOR AREAS OF INTEREST IN ICT

🌱 ICT for Agriculture

🩺 ICT for Health

🎓 ICT for Education

CENIT@EA
Centre of Excellence for ICT
in East Africa

FLAVIUS R. FLUMENT

Tanzania   English, Swahili   **MSc EMoS track:** Embedded Systems

BE Electronics and Telecommunication Engineering, Dar es salaam Institute of Technology, Tanzania
Bsc in Information and Communication Technology, Open University, Tanzania

ACHIEVEMENTS AND CERTIFICATES

Installation of 2kw Radio Transmitter, 2kW Power Amplifiers and Uplink satellite Dish (flyaway), TBC Transmitting station, 2018

Best employer award certificate from Engineering Department at, TBC, Tanzania, 2017

Certificate of attendance in the training of Cisco and Microsoft, Server configuration, Kilimanjaro Institute of Technology, Tanzania, 2012

Certificate of attendance, Audio Sound Systems, Pro Sound Ltd, South Africa, 2011

PROFESSIONAL SKILLS

Circuits Design & Simulation

Java & Python Programming

SQL

Electrical installation

CSS, PHP, HTML

C/C++

Satellite communication systems

Adobe Audition, Adobe CC

WORK EXPERIENCE

Jun 2016 – Dec 2020	Radio and Television Engineer II, Tanzania Broadcasting Corporation, Tanzania
May 2016 – Sep 2016	Inspection technician, Tanzania Bureau of Standards, Tanzania
May 2014 – Aug 2015	Electronics Technician, Tanzania Electrical, Mechanical and Electronics, Tanzania

---

+255 656 206 129

fluvies@gmail.com

+255 656 206 129

@Flavius44534326

MAJOR AREAS OF INTEREST IN ICT

Artificial Intelligence

ICT for E-government

IoT for Tracking

ICT for Industrial Automation

CENIT@EA
Centre of Excellence for ICT
in East Africa

GIDEON MULEME

Uganda | English, Luganda, Lunyakitara | **MSc EMoS track:** Mobile Systems

BSc in Information Technology, Uganda Christian University, Uganda

ACHIEVEMENTS AND CERTIFICATES

Certificate of participation, national conference on communications, Uganda, 2021

Certificate of participation, qualitative research methods training, NM-AIST, Tanzania, 2021

Certificate of completion database systems, Coursera, 2019

PROFESSIONAL SKILLS

IT Project Management

System administration

SQL

Java Programming

Flutter

Cisco Networking

Web Design

WORK EXPERIENCE

Nov 2016 – Dec 2018	IT systems administrator, Cytron ICT solutions, Uganda
Jan 2013 – Oct 2016	IT systems administrator, Gorilla resort camp, Uganda
May 2011 – Aug 2011	Intern, Bwindi community hospital, Uganda

---

+256 773 063 788

mrgmuleme89@gmail.com

+256 773 063 788

@Mrgmuleme

MAJOR AREAS OF INTEREST IN ICT

ICT for Economic Development

ICT for Agricultural Development

ICT for Health

CENIT@EA
Centre of Excellence for ICT
in East Africa

IMMACULATE KAMUSIIME

Uganda

Runyankole, English

MSc EMoS track: Embedded Systems

BSc in Telecommunication Engineering, Makerere University, Uganda

+255 753 751 516

kamusiime1@nm-aist.ac.tz

+256 755 324 242

@IMMACULATEKAMU5

MAJOR AREAS OF INTEREST IN ICT

AI/Machine Learning

Big data

Telecommunication

ACHIEVEMENTS AND CERTIFICATES

First runner (5 KM), LADRUN running Competition, Tanzania, 2021

Certificate of participation in Entrepreneurship Training, NM-AIST, 2021

HCIA-WLAN (certificate), Huawei ICT Academy Uganda, Makerere University, 2020

HCIA-Routing & Switching (certificate), Huawei ICT Academy Uganda, Makerere University, 2020

HCIA-Cloud computing (certificate), Huawei ICT Academy Uganda, Makerere University, 2020

First position, Franciscan Investment Cooperative (FIC) student's competition, St. Francis chapel Makerere university, 2019

PROFESSIONAL SKILLS

Skill	Level
Python programming	▰▰▰▰▱
Java programming	▰▰▱▱▱
SQL	▰▰▱▱▱
AI/ML	▰▰▰▱▱
Networking	▰▰▰▱▱
QA/QC	▰▰▰▰▱
RF	▰▰▰▰▰

WORK EXPERIENCE

Mar 2020 – Jan 2021	QC/QA Engineer, Huawei Technologies Ltd, Uganda
Jul 2019 – Feb 2020	RF Engineer, Huawei Technologies Ltd, Uganda

CENIT@EA
Centre of Excellence for ICT
in East Africa

JACQUELINE UWIMBABAZI

Rwanda

English, French, Kinyarwanda, Swahili

MSc EMoS track: Mobile Systems

BSc in Computer Science and Systems, National University of Rwanda, Rwanda

+255 629 375 834

jacquelineuw13@gmail.com/
uwimbabazij@nmaist.ac.tz

+250 785 170 392

@JacquelineUwim9

MAJOR AREAS OF INTEREST IN ICT

Software Development

Data Analysis

ACHIEVEMENTS AND CERTIFICATES

ICSI/CNSS Certified Network Security Specialist Certificate, International Cyber Security Institution, Rwanda, 2020

Certificates, CCNA1 & CCNA2, IT Essentials, and Severe Troubleshooting, Cisco Networking Academy, Rwanda,2013

PROFESSIONAL SKILLS

Python programming

Java programming

Networking

HTML and CSS

C/C++ Programming

PHP/Web Design

Dart

WORK EXPERIENCE

| Aug 2016 – July 2020 | District Enumerator, National Institute of Statistics of Rwanda, Rwanda |
| Jan 2012 – July 2016 | Computer Science and Math Teacher, Ministry of Education, Rwanda |

CENIT@EA
Centre of Excellence for ICT
in East Africa

JARED KELVIN NGANYI

Kenya | English, Swahili, German | **MSc EMoS track:** Embedded Systems

BEng. Electrical and Electronics Engineering, Moi University

+254 723 364 774/+255 753 912 395

nganyijared4@gmail.com/
jared.nganyi@outlook.com

+254 723 364 774/+255 753 912 395

@JaredNganyi

MAJOR AREAS OF INTEREST IN ICT

Industrial Automation

Transport and Smart Mobility Solutions

Water and Energy

ACHIEVEMENTS AND CERTIFICATES

IoT Platforms for Industry 4.0, Summer School, Technical University München, Germany, 2020

Industry Automation-Battery Manufacturing, Associated Battery Manufacturers, Kenya, 2020

Moi University 1st Robot(UGV) Development, NACOSTI Science Week Competition, Kenya, 2015

PROFESSIONAL SKILLS

Industrial Automation & PLC Programming

Electrical System Design

Instrumentation and Control Systems

IOT, SCADA & BMS Systems Design

IIOT, Industrial Robotics, Sensors & Actuators

PCB design, analysis, Simulation (Matlab, NI LabView, Proteus, Fusion 360)

Embedded C, C/C++ & Python Programming

WORK EXPERIENCE

Feb 2017 – Jan 2021	Electrical Design & Automation Engineer, Davis & Shirtliff Group, Kenya
May 2015 – Jan 2016	Industrial Automation & SCADA Trainer, Centurion Systems, Kenya

CENIT@EA
Centre of Excellence for ICT
in East Africa

JOSEPH NGIGI WANGERE

Kenya

English, Swahili

MSc EMoS track: Embedded Systems

BSc in Microprocessor Technology & Instrumentation, University of Nairobi, Kenya

+254 725 451 900 /+255 755 420 596

jngigiw@gmail.com

+254 725 451 900

@Ngigiwangere

MAJOR AREAS OF INTEREST IN ICT

Smart Mobility

Precision Agriculture

Industrial Automation

ACHIEVEMENTS AND CERTIFICATES

Certified Associate in Scrum Fundamentals, SKILLFRONT, 2021

Remotely Piloted Aircraft Technology (RPAT) course, by African Drone and Data Academy (ADDA), Certificate of Completion, 2021

Diploma in Project Management, Alison, 2019

PROFESSIONAL SKILLS

PCB Design in Proteus, Altium Designer

Embedded Linux (Kernel and User Space)

Python Programming

Embedded C/C++ Microcontroller Programming

Sensors Interfacing

IoT

Project Management

WORK EXPERIENCE

Oct 2020 – Jan 2021	Project Manager, Data Integrated Limited, Kenya
Sep 2019 – Sep 2020	Hardware Team Lead, Data Integrated Limited, Kenya
Oct 2016 – Sep 2019	Embedded Systems Developer, Data Integrated Limited, Kenya

CENIT@EA
Centre of Excellence for ICT
in East Africa

LUCIANA MURIMI

Kenya	English, Swahili	**MSc EMoS track:** Mobile Systems

BSc in Electronics and Computer Engineering, Jomo Kenyatta University of Agriculture and Technology, Kenya

🏆 ACHIEVEMENTS AND CERTIFICATES

26 Points, IndabaXTanzania Mobile Banking Prediction Challenge, Tanzania, 2021

She Codes Africa (JavaScript), December 2020

PROFESSIONAL SKILLS

Web App Development	
Data Analysis	
Mobile App Development	

💼 WORK EXPERIENCE

Mar 2020 – Dec 2020	Web App Developer, Freelancer, Nairobi
Oct 2019 – Mar 2020	Web App Development Tutor, Kenton College, Nairobi

---

+254 756 554 990

lucianamurimi@gmail.com

+254 756 554 990

@Luciana_Murimi

MAJOR AREAS OF INTEREST IN ICT

Web and Mobile App Development

Data Analysis

Machine Learnig & AI

CENIT@EA
Centre of Excellence for ICT
in East Africa

MIREILLE MANIRANZI

Burundi

French, English, Kirundi, Swahili

MSc EMoS track: Embedded Systems

BSc in Information and Communication Technology, Université Polytechnique de Gitega, Burundi

ACHIEVEMENTS AND CERTIFICATES

Android Digital Accelerator, Burundi, 2020

Monitoring and Evaluation, Accountability, and Learning (MEAL) in Emergencies, Certificate, Save the children, 2020

Website creation, Uwiragiye foundation, 2020

Website creation, Uburundi mu Kirundi, 2020

PROFESSIONAL SKILLS

Java Programming

Webmaster

Python Programming

SQL

Internet of Things

Networking

WORK EXPERIENCE

Aug 2020 – Dec 2020   Consultant, WorldVision International, Burundi

Sep 2019 – Jun 2020   Intern in ICT, WorldVision International, Burundi

Mar 2019 – May 2019   Intern, Revotech, Burundi

+255 766 089 662

iranimoe@gmail.com

+257 68 730 421

@Mireille_Iranzi

MAJOR AREAS OF INTEREST IN ICT

Bioinformatics

Machine Learning

IoT wearables

CENIT@EA
Centre of Excellence for ICT in East Africa

21

BLASIUS NKOLOOGI

Uganda   English   **MSc EMoS track:** Mobile Systems

BSc in Computer Science, Cavendish University, Uganda

ACHIEVEMENTS AND CERTIFICATES

Show cased a Home Automation System during the Kampala Innovation Week at Kololo Airstrip grounds, Uganda, 2019

CCNA Routing and Switching /CISCO Networking Academy, September, 2019

Security Intelligence Engineer /Cyber Security, IBM, March 2018/Master Award for Students

Certificate of Excellence for the "Smart Intrusion Detection System "Innovation. This focused on a layered security authentication for homes and office

PROFESSIONAL SKILLS

Python Programming

Java Programming

Operating Systems

C/C++ Programming

Embedded Systems

Digital Signal Proces

MatLab

WORK EXPERIENCE

Nov 2019 – Mar 2020	Training Assistant in Computer Repair, Digital Signal processing and Databases, Supercom Technologies, Uganda
Nov 2018 – Mar 2020	Audio Production Instructor, ESOM School of Music, Uganda
Jan 2011 – Mar 2020	Sound Engineer & Senior Audio Producer, Bless Touch Records, Uganda

+255 756 355 814

blasiusn@nm-aist.ac.tz

+255 629 166 974

@BlasiusNkoloogi

MAJOR AREAS OF INTEREST IN ICT

Aerospace Robotics (Drones)

Internet of Things

Automation

CENIT@EA
Centre of Excellence for ICT
in East Africa

22

TITO LUTWA OKELLO

Uganda

English, Luo

MSc EMoS track: Mobile Systems

BSc in Computer Engineering, Busitema University, Uganda

ACHIEVEMENTS AND CERTIFICATES

Machine Learning, Kaggle Competition, 2021

Wildlife Law in Tanzania: Environment, Policy, and Enforcement, UBUNIFU INITIATIVE, 6th March, 2021

GulioApp, A market on mobile platform for Farmers, Vendors and Transporters

PROFESSIONAL SKILLS

Skill	Level
Computer Programming	
Computer Networking	
Data Mining	
Machine Learning/Deep Learning	
Mobile App Design and Development	
IoT Design and Development	
Soft Skills	

WORK EXPERIENCE

Jun 2014 – Mar 2020	VoIP Engineer, Wanet Telecoms Ltd, Uganda
Nov 2015 – Jun 2016	IT Support Consultant, The Institute of Reproductive Health-Georgetown University, Save The Children, Uganda
Oct 2012 – Jun 2014	Project Manager/Software Engineer, GIT Technologies Ltd, Uganda

---

+255 683 456 481

okellot@nm-aist.ac.tz

+255 683 456 481

MAJOR AREAS OF INTEREST IN ICT

ICT for Agro-Industry

Deep Learning for Medicine

Internet of Things (for Wildlife)

Environment, Water and Energy

CENIT@EA
Centre of Excellence for ICT
in East Africa

23

REBECCA MAGOMERE

Tanzania   English, Swahili   **MSc EMoS track:** Embedded Systems

BSc in Computer Science, National Institute of Transport (NIT), Tanzania

ACHIEVEMENTS AND CERTIFICATES

Certification of participation, Career Development Workshop, January 2020

Project done: Smart Inhaler for Asthmatics. (Controlling the use of inhaler, tracking the development of a patient and keeping the records)

PROFESSIONAL SKILLS

Python Programming

Java Programming

SQL

C Programming

Dart Programming

PHP

+255 757 071 944

rmagomerer@nm-aist.ac.tz

+255 658 568 451

@rebecka_magomere

MAJOR AREAS OF INTEREST IN ICT

Industrial Automation

Artificial Intelligence

Mobile Application Development

CENIT@EA
Centre of Excellence for ICT
in East Africa

REHEMA LUGOSI

Tanzania | English, Swahili | **MSc EMoS track:** Mobile Systems

BSc in Information Technology, National Institute of Transport, Tanzania

ACHIEVEMENTS AND CERTIFICATES

Atomic Force Data Processing, TEM, SEM, Raman and XRD Spectroscopy, Certificate of Attendance, East Africa -Microscopy- 2021 Workshop

Researcher Academy on Campus, Science Direct training, Certificate of Attendance, 2021

Qualitative Research Methods, Certificate of Attendance-AIST – Library Department, 2021

PROFESSIONAL SKILLS

Python Programming

Linux/Unix

SQL

Computer Networking

Adobe Photoshop

Adobe InDesign

IT Project Management

WORK EXPERIENCE

| April 2007 – To date (on study leave) | Studio Operator, Technician, ICT Officer, Tanzania Broadcasting Corporation (TBC), Tanzania |

+255 714 131 378

lugosir@nm-aist.ac.tz

+255 715 131 378

MAJOR AREAS OF INTEREST IN ICT

Drones for Agriculture

ICT for Health

CENIT@EA
Centre of Excellence for ICT
in East Africa

RITHA UMUHOZA

Rwanda   English, French, Kinyarwanda   **MSc EMoS track:** Mobile Systems

BSc in Computer Applications, Periyar University, India

ACHIEVEMENTS AND CERTIFICATES

Certified in Quality Assurance and WORK READINESS at Muraho Technology, Kigali, 2019

Certifies in ISTQB foundation course and project management at Muraho Technology, Kigali, 2019

Diploma in Hardware and Networking Studies, Access Point in India, 2018

Certified in Oracle PL SQL Programming and Java Programming, Access Point in India, 2018

PROFESSIONAL SKILLS

Python Programming

Java Programming

SQL

C Programming

C++ Programming

WORK EXPERIENCE

April 2019 – April 2020	IT Support Engineer (Professional Intern), Rwanda National Bank, Rwanda
Aug 2018 – March 2019	Software Tester, Muraho Technology, Rwanda

+250 706 760 05 / +255 620 991 26

hello123@gmail.com

+250 706 760 05

@ritha_umuhoza

MAJOR AREAS OF INTEREST IN ICT

ICT for Health especially Mental Health Diseases

ICT for E-commerce and Business Innovations

CENIT@EA
Centre of Excellence for ICT
in East Africa

RODRICK SWAI

Tanzania   English, Kiswahili   **MSc EMoS track:** Mobile Systems

BSc in Business Information and Communication Technology, Moshi Co-operative University, Tanzania

ACHIEVEMENTS AND CERTIFICATES

Certificate in Information and Communication Technology, Stefano Moshi Memorial University, Tanzania, 2014

PROFESSIONAL SKILLS

Python Programming

Java Programming

SQL

PHP

HTML/CSS

C++ Programming

Android

WORK EXPERIENCE

April 2019 – Feb 2020

Mobile software and Hardware repair, self-employment, Tanzania
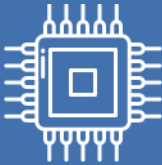
+255 756 410 210

rodricksway@gmail.com

+255 756 410 210

MAJOR AREAS OF INTEREST IN ICT

Energy Management Systems

Maintenance of hardware and software

Software development

CENIT@EA
Centre of Excellence for ICT
in East Africa

SANISSE ADRIELLE BERINKINZO

Burundi   Kirundi, French, English   **MSc EMoS track:** Embedded Systems

BSc in Computing of Management, Universite Lumiere de Bujumbura (ULBu), Burundi

ACHIEVEMENTS AND CERTIFICATES

Language Proficiency English, Universite Lumiere de Bujumbura (ULBu), Burundi, 2020

Certificate of Completion, Google digital Skills training, Centum Learning, 2019

Design and realization of a temporary staff management Software case of Paper Converter Burundi

PROFESSIONAL SKILLS

Python Programming

Java Programming

Linux

PHP/MySQL

HTML/CSS

Computer Networking

WORK EXPERIENCE

Feb 2020 – April 2020   Internship, Paper Converter Burundi (PACOBU), Burundi

---

+255 765 726 769

bsanisse@gmail.com

+257 711 961 12

@AdSanisse

MAJOR AREAS OF INTEREST IN ICT

ICT in Business Management

ICT in Education

Smart Home Automation

Internet of Things

CENIT@EA
Centre of Excellence for ICT
in East Africa

28

SIAMA MARY

South Sudan

English, Arabic, Bari

MSc EMoS track: Mobile Systems

BSc in Information Technology, Nkumba University, Uganda

+211 913 345 566

siama.mary@gmail.com

+256 779 771 276

@mary_siama

MAJOR AREAS OF INTEREST IN ICT

Mobile Development

Internet Networking

ICT for Education

ICT to prevent gender-based violence

ACHIEVEMENTS AND CERTIFICATES

Certificate of Participation, Entrepreneurship, CENIT@EA 2021

Certificate in Monitoring and Evaluation, Uganda Christian University-Arua Campus, 2020

Cisco Certified Network Associate, UTAMU 2018

Developed Website for Muni Girls' Secondary School, Uganda, 2011

Certificate of Recognition, Intelligent Common Sense: BridgeHead 24, 2009

PROFESSIONAL SKILLS

Internet Networking

Web Development

PHP/MySQL

Mobile Developemnt

WORK EXPERIENCE

Oct 2012 – Sep 2020 — Instructor, Karume Institute of Science and Technology, Tanzania

Nov 2011 – Feb 2013 — ICT Assistant Officer, Norwegian Peoples' Aid (NPA), South Sudan

CENIT@EA
Centre of Excellence for ICT in East Africa

TABAN LEMI

South Sudan | English, Bari, Juba Arabic, Kiswahili | **MSc EMoS track:** Mobile Systems

BSc in Information Technology, University of Juba University, South Sudan

ACHIEVEMENTS AND CERTIFICATES

Networking and System Administration-Bennet University, Noida-Paradosh State, India, March, 2020

10th place, UNDP-Youth Innovation Challenge for Peace, Juba, South Sudan, 2019

Entrepreneurship and Business, 2021 Certificate of Completion, CENIT@EA, Tanzania

PROFESSIONAL SKILLS

Python Programming

Java Programming

SQL

Javascript

HTML 5

CSS 6

Flutter - Dart 7

WORK EXPERIENCE

Nov 2018 – Dec 2020	Assistant Lecturer, (on-Study Leave), University of Juba -School of Computer Science & IT, South Sudan
Jan 2020 – Nov 2020	Field Researcher, World Vision, South Sudan
Apr2011 – Sep 2015	Team Leader, Independent Youth Saving Group, Yei, South Sudan

+255 755 968 030

charlest@nm-aist.ac.tz/ tabosco18@gmail.com

+211 927 684 388

@taboss

MAJOR AREAS OF INTEREST IN ICT

Mobile Commerce

IT Entrepreneurship

Research

CENIT@EA
Centre of Excellence for ICT in East Africa

30

THIERRY NDAYITEZIBIGANZA

Burundi | Kirundi, French, English, Swahili | **MSc EMoS track:** Embedded Systems

BSc in Electrical Engineering, University of Burundi, Burundi

ACHIEVEMENTS AND CERTIFICATES

Entrepreneurship Training, Certificate of Completion, CENIT@EA, Tanzania, 2021

Elecricity power using solar panel project, University of Burundi, 2019

Attendance Certificate in Voters in CTD, Independent National Electoral Commission (CENI), Burundi, 2018

PROFESSIONAL SKILLS

Python Programming

C, C++ Programming

Mobile phone and modem software maintenance

PowerWord Design

Industrial Automation Programming

Sensors and Actuators Programming

Computer Software and Hardware Maintenance

WORK EXPERIENCE

Jun 2019 - Dec 2020 | Hardware-based on electronics devices and software maintenance, Self-employed, Burundi

Feb 2018 – Mar 2018 | Register Member, Data Processing Center (C.T.D), Burundi

Apr 2013 – Apr 2013 | Register Member, Econet, Burundi

+255 678 881 848/ +257 791 435 02

thierry.ndayitezi@gmail.com/
ndayitezibiganzat@nmaist.ac.tz

+257 791 435 02

@ThierryNDAYITE3

MAJOR AREAS OF INTEREST IN ICT

Industrial Automation

ICT Security

ICT for Traffic Application and Control

CENIT@EA
Centre of Excellence for ICT
in East Africa

TUSEKILE JUMA MWASAMBILI

Tanzania | English, Swahili | **MSc EMoS track:** Mobile Systems

BSc in Computer Science, Ruaha Catholic University (RUCU), Tanzania

ACHIEVEMENTS AND CERTIFICATES

ICT Security and Data Management Systems for Users, Certificate of participation, Tanzania Commission for Universities, 2019, Tanzania

Development of a Modular Weather Station using Arduino and weather elements sensors supported by a web-based system for data storage and reporting, Ruaha Catholic University, 2018, Tanzania

PROFESSIONAL SKILLS

Web Technologies (HTML, CSS, PHP, JQuery)

Database Management Systems (MySQL)

System Analysis and Design

Graphics Designs and Videography

Programming in C

Mobile Application Development

Python Programming

WORK EXPERIENCE

April 2019 – Present
(on study leave)

Tutorial Assistant, Catholic University College of Mbeya, Tanzania

+255 656 850 700

tusekile424@gmail.com

+255 656 650 700

@tusekileJM

MAJOR AREAS OF INTEREST IN ICT

ICT for Health

ICT for Education

CENIT@EA
Centre of Excellence for ICT in East Africa

32

WAYNE STEVEN OKELLO

Uganda

English, Samia, Luganda, Lusoga

MSc EMoS track: Embedded Systems

BSc in Computer Engineering, Makerere University, Uganda

ACHIEVEMENTS AND CERTIFICATES

Certificate of Participation, Entrepreneurship Training, CENIT@EA, 2021

Student Award Winner, Uganda Institution of Professional Engineers Annual Dinner Awards, Uganda, 2019

Design and Development of a Text Normalization Module for a Speech Synthesis Software Program

PROFESSIONAL SKILLS

Python Programming

Java Programming

SQL

Mikrotik Networking

Machine Learning

Microcontroller Programming and Embedded System Design

GNU Linux

WORK EXPERIENCE

Jul 2019 – Dec 2020	Graduate Researcher, netlabs!UG, Uganda
May 2019 – June 2019	Technical Support Engineer, Runway Networks, Uganda
June 2018 – Aug 2018	Intern, Airtel, Uganda

+255 765 917 907/+256 788 525 294

okellow@nm-aist.ac.tz/
wayneredemption@outlook.com

+256 754 468 261

@Wayne Okello

MAJOR AREAS OF INTEREST IN ICT

Machine Learning

Natural Language Processing

ICT for Agriculture

CENIT@EA
Centre of Excellence for ICT
in East Africa

WINNY TUITOEK BUNDOTICH

Kenya

English, Kiswahili

MSc EMoS track: Embedded Systems

BSc in Computer Science, University of Eldoret, Kenya

ACHIEVEMENTS AND CERTIFICATES

Cisco Cyber security Badge, 2021

Huawei Certified Security Associate(HCSA), Huawei, 2021

Training on ICT development trends, E-government, Smart City, IoT and Cyber Security organized by ICTA Kenya

PROFESSIONAL SKILLS

Computer Networking

Information Security

IT Project Management

Python Programming

Hardware Maintenance

WORK EXPERIENCE

Jan 2019 - Dec 2020	First line support technician, MU technologies, Kenya
May 2018 – Oct 2018	Quality control staff, Moi University computer assembly plant, Kenya
Jan 2016 – April 2016	Data communication intern, Huawei, Kenya

---

+254 723 139 494

bundowinny@gmail.com

+254 723 139 494

@winnytuitoek

MAJOR AREAS OF INTEREST IN ICT

Information Security

Smart City

ICT for Education

ICT for Agriculture

CENIT@EA
Centre of Excellence for ICT
in East Africa

ZACHARIE NIYONZIMA

Burundi

French, English, Chinese, Swahili, German and Kirundi

MSc EMoS track: Embedded Systems

BSc in Telecommunications Engineering, University of Burundi, Burundi

🏆 ACHIEVEMENTS AND CERTIFICATES

Training Certificate of Fiber Optic Transmission, Burundi Backbone System (BBS), Burundi, 2018

PROFESSIONAL SKILLS

Python Programming

Computer Networking

Fiber Optic Transmission

PCB Design

MATLAB Programming

Multisim

NetNumen T31

Digital Signal Processing

💼 WORK EXPERIENCE

Nov 2017 – Jan 2018   Network Operating Center and Fiber Optic Transmission Engineer in BBS/ Burundi Backbone System (BBS), Burundi

---

+255 745 459 038

niyonzimaz@gmail.com /
niyonzimaz@nm-aist.ac.tz

+255 745 459 038

@zachariezanto_1

MAJOR AREAS OF INTEREST IN ICT

Network Security

Optic Fiber Transmission

Digit al Signal Processing

IoT for Industrial Automation

CENIT@EA
Centre of Excellence for ICT
in East Africa

BACKGROUND

CENIT@EA is a regional innovation hub that was initiated by the East African Community (EAC) and the German Federal Ministry for Economic Cooperation and Development (BMZ) and launched in 2019 to support East African Universities in providing the technical skills that meet the needs of the private sector, public sector and civil society stakeholders in the region's digital transformation.

CENIT@EA is supported by and implemented under the project "Digital Skills for an Innovative East African Industry" (dSkills@EA). The Deutsche Gesellschaft für Internationale Zusammenarbit (GIZ) GmbH implements the project in cooperation with the Inter-University Council of East Africa (IUCEA), the German Academic Exchange Service (DAAD) and an academic consortium consisting of Nelson Mandela African Institution for Science and Technology (NM-AIST), the University of Oldenburg and other East African and German universities and institutions.

To cater towards the concrete needs of the digital transformation in East Africa, CENIT@EA established a market-driven Master in Embedded and Mobile Systems and offers short technical trainings for professionals in the area of Information and Communication Technologies (ICT), unemployed graduates and university lecturers to provide them with the relevant digital skills. To assure this demand-driven and value-creating approach, CENIT@EA works very closely with the private sector through events such as ICT4 Business and cooperation mechanisms such as the Memorandum of Understanding with IBM. The regional network and dialogue between academia, public and private sector is furthermore facilitated for collaborative development of the digital transformation.

Scan to go to http://www.cenit-ea.org/

East African Community

german cooperation
DEUTSCHE ZUSAMMENARBEIT

gíz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

DAAD Deutscher Akademischer Austauschdienst
German Academic Exchange Service

hochschule mannheim

CARL VON OSSIETZKY universität OLDENBURG

DLR Deutsches Zentrum
für Luft- und Raumfahrt
German Aerospace Center

CONTACT

Nelson Mandela African Institution for Science and Technology (NM-AIST)
P.O. Box 447
Arusha, Tanzania
E cenit@nm-aist.ac.tz
I www.cenit-ea.org

@EaCenit

centre_of_excellence_for_ict

https://facebook.com/EaCenit/

Devotha Nyambo, PhD
Industry Liaison and
Outreach Coordinator
E devotha.nymabo@nm-aist.ac.tz

Judith Leo, PhD
Industry Liaison and
Outreach Coordinator
E judith.leo@nm-aist.ac.tz