CURRICULUM VITAE

Personal Data

Name:	Rukia Julius Mwifunyi
Sex:	Female
Nationality:	Tanzanian
Date of Birth:	21.4.1985
Marital Status:	Married
Mobile:	+255 717 161 945
Email:	rukiamwifunyi@yahoo.com

Education/Qualifications

2016-2020	PhD in Computer and IT system Engineering at University of Dar es Salaam
2010-2013	MSc. In Telecommunications Engineering at University of Dar es Salaam
2006-2010	BSc. In Telecommunications Engineering at University of Dar es Salaam
2004-2006	Advanced Secondary Education at Kilakala Secondary School, Morogoro
2000-2003	Ordinary Secondary Education at Makambako Secondary School, Njombe, Iringa

Awards

2011: Awarded certificate of recognition by Engineers Registration Board for excellence in BSc. in Telecommunications Engineering.

2006: Awarded certificate of recognition by Ministry of Higher Education, Science and Technology for excellence in Mathematics and Chemistry in form VI National examination.

2004: Awarded certificate of recognition by Ministry of Higher Education, Science and Technology for excellence in Mathematics in form IV National examination.

Current Positions

2013-to date: Assistant Lecturer at College of Informatics and Virtual Education of Dodoma University and PhD. Student at University of Dar es Salaam

Language and Computer Literacy

Computer:
Applications: Ms. Office , SPSS, Matlab, Python, Java

Operating Systems: Ms Windows, Linux (Ubuntu).

Others: Networking, skills on C++, Network simulation (Omnet++, CONTIKI)
Languages:

English: Excellent writing, speaking and reading
Kiswahili: Excellent writing, speaking and reading

Working Experiences.

2011-2013: Tutorial assistant at College of Informatics and Virtual Education of Dodoma University.
2013-to 2016:   Head of department of Content Engineering and Multimedia Technologies in the University of Dodoma.
2013-to date: Assistant Lecture in the department of Content Engineering and Multimedia Technologies in the University of Dodoma

Research Area;

- Enhancing Fault Localization and Service Restoration in Secondary Distribution Network.

- Machine Learning

- Multi-agent systems

- Suppressing Narrowband Interference in wireless communication

- Applying Mobile Technology for Medical Drugs Verification in TANZANIA (2013-2016).

- Free space optics

- Digital signal processing

- Smart grid (Demand response and Automation of Fault detection)

- Internet of Things

Memberships;

Engineers Registration Board

Hobbies;

Sports, Wide Reading and Writing, Admiration of Culture and Objects of Art, Religion, Preservation of Nature, Investigation, and Planning.

Publication;

1. Mvuma A. and **Mwifunyi R.** (2012) *Adaptive IIR Notch Filter for interference suppression in OFDM Systems: Effect of Notch Bandwidth,* Journal of informatics and Virtual Education, Vol 2, pp 6-10, November 2012.
2. Mvuma A. , Faustine A., Shao D., Seif H., **Mwifunyi R.** and Edward S. *(2014)* Combating Medical Drug Counterfeit in Tanzania: The Role of Technology, COTUL Proceeding.
3. **Mwifunyi R**. and Kibinda N. (2016) Analyzing the Use of ICT for Professional Development among Secondary School Teachers in Tanzania, *International Journal of Computer Applications,* Volume 142 – No.9, May 2016.
4. **Mnyang'walo D., Kawambwa S**., **Mwifunyi** R., **Gilbert** G., **Makota** D. and **Mvungi** N. (2018) Fault Detection and Monitoring in Secondary Electric Distribution Network based on Distributed Processing, 2018 Twentieth International Middle East Power Systems Conference (MEPCON)

Referees;

NAME	POSITION	RELATION	ADDRESS	PHONE N0.
Dr. M. M.Kissaka	Senior Lecturer UDSM	My Lecturer	Box 35131, DSM E-mail: mkissaka@yahoo.com	0754 364956
Prof. Anatory Justinian	Senior Lecturer UDOM	My Co-worker	P.O Box 490 Dodoma E-mail anatory@engineer.com	0782106209
Mr. Benson Magehema	Network Engineer VODACOM TANZANIA	My Practical training Supervisor	Dar es Salaam E-mail: mageben2003@yahoo.com	0754710846

Declaration

I, Mwifunyi, Rukia J designed Certify that the given information is complete and true for the best level of my knowledge and concern.