

CURRRICULUM VITAE

Dr. Andrew Lukyamuzi is an IT specialists who holds a PhD in computing from Mbarara University of Science and Technology. He holds a Master's degree in Computer Science from Makerere University and a Bachelor of Science degree majoring in Physics from Makerere University. He also holds a Diploma in Computer Science from Kyambogo University (Former UPK).

He is currently a lecturer of Computer Science, Department of Computer science, Faculty of Science and Education, Busitema University - Uganda.

Dr. Lukyamuzi possess over 20 years' working experience in teaching at higher education and IT support services. Before joining Busitema University, he served as an IT Support Officer at Makerere University for over five year since 2003.

He is an external examiner at Faculty of Computing and Informatics, Mbarara University of Science and Technology specifically involved in assessing Masters Theses. He is involved in research supervision at both undergraduate and postgraduate levels and has published several papers in peer reviewed and open access sites.

His areas of teaching at higher education include Modeling and Simulation Data Structures and Algorithms, Computational Mathematics, Network/System Administration, Computer Graphics, Operational Research and Discrete Mathematics His areas of research include Modeling and Simulation, Technological innovations to address learner and educator concerns and Applying Data Science to address SDGs.

Outside academia, Dr. Andrew has served as the Chairperson Resource mobilization for the community church St. Paul sub-parish –St. Kizito Parish Bwaise; Patron to student catholic community at Faculty of Science and education campus Nagongera and is a member to the Big-Dream drama group.

BIO DATA

Name	:Lukyamuzi Andrew
Age	:49 Years.
Profession	:IT Professional
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Home District	Masaka

AREA OF SPECIALIZATION:

On my doctoral studies, I specialized on application Machine Learning in tracking food insecurity from tweets, news articles and phone datasets. The first contribution brought forth was on performance improvement with blended models and a second contribution was on exploring alternative options in the tracking exercise. Overall skills acquired on

my doctoral studies are on data analytics to predict and track various situations using various datasets.

EDUCATIONAL BACKGROUND

Qualification	Institution / Training place	Year of completion/ Graduation
PhD in Computing	Mbarara University of Science and Technology	2022
Masters degree in Computer Science	Makerere University	2007
Bachelor of science degree majoring in Physics	Makerere University	1999
Diploma in Computer Science	Kyambogo University (Former UPK)	2000

WORKING EXPERIENCE

Position and Employer	Responsibilities
Computer Science Lecturer Busitema University since 2009	<ul style="list-style-type: none"> ○ Lecturing: Computer Networks, Data structures and Algorithms, Modeling and simulation, Network administration and Configuration, Databases, Computational Maths, VB.NET, Dynamic web design using PHP, Computational Maths, Discrete Maths, ○ Supervision of student projects ○ Coordinator for computer science club of students at Nagongera ○ Standing in for head of department when called upon
IT Professional at ICT Support, Makerere University for five year since 2003	<ul style="list-style-type: none"> ○ Training and supervising student interns ○ Training and guiding newly recruited internet kiosk administrators ○ Designing/installation of new internet Kiosks. ○ Participating in policy review, setting up monitoring and evaluation strategy ○ Recruitment of internet kiosk attendants.

OUT REACH ACTIVITIES

1. Chairperson resource mobilization:

Served as a chairperson to a committee at our community church, St. Paul sub-parish –St. Kizito Parish Bwaise. I served for a period of over four years. The committee was responsible for laying strategies to attract funding. Funding was mainly to service a loan for the land on which the sub-parish is located. During my time of office, several potential funders were identified and approached. Positive responses were registered. The committee also used to organize annual fund raising functions.

2. Patron to student catholic community at Nagongera:

Have served as a patron to student catholic community at Nagongera. Have served in the position for over six years. My major role is to advise and guide student leaders in this community.

3. Member to Big-Dream drama group:

Big-Dream drama group has youth mainly below 20 years from financially struggling families. Some youth are in primary schools while others are in secondary schools. Under the guidance of Mr. Ssempeva Ivan (0703339484) as a trainer and care taker, Big-Dream stages performances to various audiences. Funds generated from performances, support school payments for these students/pupils. As member, I learn a lot from Big-Dream. On the other hand I provide a helping hand in terms guidance and financial support.

4. External examiner to MUST:

Currently I am involved in assessing Masters Theses at Faculty of Computing and Informatics, Mbarara University of Science and Technology.

Publications:

Lukyamuzi, A., Ngubiri, J. and Okori, W., 2020. Towards Ensemble Learning for Tracking Food Insecurity From News Articles. *International Journal of System Dynamics Applications (IJSDA)*, 9(4), pp.129-142. [Journal article]

Lukyamuzi, A., Ngubiri, J., & Okori, W. (2020). Polarity and Similarity Measures Towards Classifying an Article on Food Insecurity. *International Journal of Technology and Management*, 5(2), 1-10. [Journal article]

Moses, B., & **Lukyamuzi, A. (2020).** A Flexible Student Assessment System for Continuous Performance Monitoring. *International Journal of Technology and Management*, 5(2), 1-22. [Journal article]

Lukyamuzi, A., Ngubiri, J., & Okori, W. (2019, October). Topic Based Machine Learning Summarizer. In *2019 IEEE International Smart Cities Conference (ISC2)* (pp. 288-291). IEEE. [Conference paper]

Lukyamuzi, A., Ngubiri, J., & Okori, W. (2018, May). Tracking food insecurity from tweets using data mining techniques. In *Proceedings of the 2018 International Conference on Software Engineering in Africa* (pp. 27-34). Available in Journal of ACM (JACM). [Conference paper]

Lukyamuzi, A., Ngubiri, J. and Okori, W., 2015. Towards Harnessing Phone Messages and Telephone Conversations for Prediction of Food Crisis. *International Journal of System Dynamics Applications (IJSDA)*, 4(4), pp.1-16. [Journal article]

REFEREES

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Signature:
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