CURRRICULUM VITAE

BIO DATA

Name :Lukyamuzi Andrew
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A PhD graduate in computing from Mbarara University of Science and Technology. PhD contribution was on enhancing Machine Learning performance in context of predicting food insecurity. The enhancement mimicked human cognition blending and it with existing models to reduce error on data sets, thus fostering performance prediction on food insecurity. Holds a Master's degree in Computer Science from Makerere University and a Bachelor of Science degree majoring in Physics also from Makerere University. Also holds a Diploma in Computer Science from Kyambogo University (Former UPK).

Currently a Lecturer at Department of Computer Science and Information Systems, Faculty of Science, Uganda Martyrs University. Have been in a professional of lecturing at higher education and IT support services for over 20 years. Before joining Uganda Martyrs University, served as an IT Support Officer at Makerere University for over five year since 2003. Teaching areas include Modeling and Simulation Data Structures and Algorithms, Computational Mathematics, Network/System Administration, Computer Graphics, Operational Research, Data Science, and Discrete Mathematics.

As an external examiner, have assessed masters dissertations and PhD theses at Faculty of Computing and Informatics, Mbarara University of Science and Technology as illustrated bellow:

PhD candidate	***Research title***
1. TURIHOHABWE JACK (2021/PhD/022/PS)	A DEEP LEARNING MODEL FOR EARLY PREDICTION AND DIAGNOSIS OF LATE BRIGHT DISEASE IN IRISH POTATOES; A CASE: KIGEZI REGION -UGANDA.
2. DICKSON KALUNGI 2019/PhD/025/PS	AN ONTOLOGY-BASED MODEL FOR EFFECTIVE CAREER GUIDANCE. A CASE OF SOUTH WESTERN-UGANDA
Masters Candidate	
1. Asiku Kawawa (2023/MHIT/001/PS)	*DEEP LEARNING IMAGING MODEL FOR BREAST CANCER DIAGNOSIS IN RESOURCE LIMITED SETTINGS*
2. Kajoba_Nicholas (2023/MSIS/007/PS)	Code Quality Assessment in Rodin Framework Software Ecosystem.
3. Ninsiima Daphine (2023/MSIS/018/PS)	DEEP LEARNING MODEL FOR DETECTING BROKEN FLUSHING TOILETS USING CONVOLUTIONAL NEURAL NETWORKS.

PhD supervision at Uganda Martyrs

Name	Research title	Status
Namanya Agnes **2025-PH33-12622**	Integrating Real Time Sentiment Analysis into e-learning platform to support adaptive and response pedagogy in a competence based curriculum in public university of Uganda	At proposal
IMANIRAGABA Proscovia	Advance Plagiarism Detection Using A Word embedding Model and Deep Learning Framework	At proposal

Supervision of masters students at Uganda Martyrs' University

Student Name	Research title	Status
Amanya Agnes 2015-M132-20001	Towards Improved Online Course Evaluation and Feedback Using Sentimental Analysis Technique	Graduated in 2020
Tamale Med 2015-M132-20024	ADDRESSIG PEDERGOGICAL USABILITY AND ACCESSBILITY BARRIERS IN YOUTH ENTREPRENURSHIP SKILL DEVELOPEMNT E-LEARNING SYSTEMS IMPLEMETATION THROUTH A PERSONALISED SMART MOBILE LEARNING SYSTEM	Graduated

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

Journal papers published:

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.

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.

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.

Mpoza, J.B., Ssempebwa, J., Nakaiza, J., **Lukyamuzi, A**., and Harriet, H.(2013). Appraisal and Career Development of Academic Staffs in Uganda‟s Public University, *THE UGANDA JOURNAL OF MANAGEMENT AND PUBLIC POLICY STUDIES*, vol. 5, no.1, pp. 130-146.

Conference papers published:

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.

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).

Lukyamuzi, A., Onyait, G., Angole, R. and Mutungi, F.(2013), „HARNESSING MOBILE TECHNOLOGY TO AUGMENT FACE-TO-FACE LEARNING‟, *Proceedings of 7th International Technology, Education and Development Conference*, 4-5 March, 2013, Valencia, Spain, pp. 4783-4790. Available from: library.iated.org

Angole, R., **Lukyamuzi, A**., Tiragana, A., Kayondo, B., and Mirembe, E(2013), „FAST LEARNER HELP NOVICE (FLHN) APPROACH: KEEPING STUDENT PASSION IN LEARNING COMPUTER PROGRAMMING‟, *5th International Conference on Education and New Learning Technologies*, Barcelona, Spain, 1-3 July, 2013, pp. 90-96. Available from: library.iated.org

Ssempala, F., and **Lukyamuzi, A**.(2013). **‘**INTEGRATING LEARNING TECHNOLOGY INTO THE CLASSROOM: THE IMPORTANCE OF PRE-SERVICE TEACHERS‟ AND LECTURERS‟ PERCEPTIONS‟, *3rd International Conference on Education Organized by the Department of Education*, Syracuse University, USA, Kenyatta University, Nairobi, Kenya, 10th -12th July 2013.

REFEREES

1. Mr. Mutungi Fredrick
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   Department of Computer Studies
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