CURRICULUM VITAE

Muhaise Hussein (PhD)

Email:hmuhaise@kab.ac.ug; hmuhaise@gmail.com
Telephone: +256-772-877-424 / +256-702-877-424

SUMMARY

Muhaise Hussein (PhD) is currently a Lecturer – Information Technology at the Faculty of Computing, Library and Information Science (FoCLIS), Kabale University. He holds a PhD in Management Information Systems (2021) from Kampala International University, a Master of Information Systems (2017) from Mbarara University of Science and Technology, a Bachelor's Degree in Information Technology (2013) from Uganda Christian University, a Diploma in Records and Information Management from Uganda Management Institute, and a Certificate in Records and Information Management from Uganda Management Institute

EDUCATION

2021: Doctor of philosophy in Management Information Systems, KIU
2017: Master of Information Systems. MUST
2013: Bachelors Degree in Information Technology, UCU
2007: Diploma in Records and Information Management, UMI
2004: Certificate in Records and Information Management, UMI

ACADEMIC APPOINTMENTS

Lecturer of Information Technology – Department of Information Technology, Kabale University. from September 2022 to date

Head of Department – Information Technology. From January 2023 to date

Duties

1. Preparing lectures and delivering them to undergraduate and post-graduate students.
2. Setting tests, examinations and course work.
3. Administering and invigilating tests and examinations.
4. Marking tests, course work and examinations scripts, compiling and grades examination results.
5. Guiding and advising students on their academic performance.
6. Attending to students' non-academic challenges and refers those that need further counseling and guidance to the university counsellor.



7. Conducting research and dissemination research findings through conferences, seminars and publications.

8. Supervising undergraduate and post-graduate students undertaking research projects.
9. Conducting seminars and tutorials for students and staff.
10. Participation in the community outreaches.
11. Attending to department and faculty meetings
12. Carrying out official administrative duties as the HOD – Information Technology Department.

Lecturer -Department of Information Technology and Dean- Faculty of Science and Technology - Kampala International University Western Campus (September 2021 to September 2022)

Duties:

1. Preparing lectures and delivering them to undergraduate and post-graduate students.
2. Setting tests, examinations and course work.
3. Administering and invigilating tests and examinations.
4. Marking tests, course work and examinations scripts, compiling and grades examination results.
5. Guiding and advising students on their academic performance.
6. Attending to students' non-academic challenges and refers those that need further counseling and guidance to the university counsellor.
7. Conducting research and dissemination research findings through conferences, seminars and publications.
8. Supervising undergraduate and post-graduate students undertaking research projects.
9. Conducting seminars and tutorials for students and staff.
10. Carrying out official administrative duties as the Dean – Faculty of Science and Technology

Assistant Lecturer – School of Computing and Information Technology, Kampala International University (2017 to 2020)

Duties:

1. Preparing lectures and delivering them to undergraduate students
2. Setting tests, examinations and course work.
3. Administering and invigilating tests and examinations.
4. Marking tests, course work and examinations scripts, compiling and grades examination results.
5. Guiding and advising students on their academic performance.
6. Conducting research and dissemination research findings through conferences, seminars and publications.



ADDITIONAL WORK EXPERIENCE

ICT Officer, Sheema District Local Government 2020 – 2023

Duties:

1. Technical Support & Maintenance: Installing, maintaining, and optimizing ICT infrastructure (computers, networks, servers, and software).
2. E-Services Operation: Assisting in the operationalization, implementation, and monitoring of government e-services.
3. System Administration: Managing IT systems, performing data backups, and restoring data.
4. Security & Compliance: Implementing security controls against threats and ensuring compliance with national IT standards and policies.
5. Helpdesk Support: Offering first-level service desk support for internal and external users

Assistant Records Officer, Sheema District Local Government 2009 – 2020

Duties:

1. Mail Management: Receiving, sorting, opening, and dispatching mail.
2. Filing & Storage: Filing correspondence, ensuring proper documentation, and maintaining physical or digital files.
3. File Movement: Monitoring file movement, retrieving files, and ensuring they are returned to storage.
4. Registry Maintenance: Maintaining file indexes, registers, and the "bring up" (BU) diary.
5. Archive Security: Ensuring the confidentiality and security of records.
6. Reporting: Preparing reports on records management activities.
7. Carrying out file censuses and performing any other duties assigned.

Part-time ICT Teacher, Kabwohe Secondary School (2013 - 2014)

Duties:

1. Teaching ICT to O-level students



2. Setting exams
3. Assessment of students
4. Preparation of end term reports

Data Manager / ICT Officer, Comboni Hospital Kyamuhunga (2000 – 2010)

Duties:

1. Maintenance Careware and IQcare systems
2. Data entry, cleaning, validation and reports generation
3. Support the medical teams with relevant patient information
4. Management of hospital data and ICT systems

COURSES TAUGHT FROM 20222 to date

Postgraduate

I. Computer Applications in Research
II. Cloud computing and web security
III. Mobile and wireless networks
IV. ICT Policy and cyber laws

Undergraduate

I. Hardware repair and Maintenance
II. Website design
III. Advanced routing and Switching
IV. Network security
V. IT Preoject Management
VI. Systems Analysis and Design

SERVICE TO THE FACULTY/UNIVERSITY

a. Faculty Research and grants coordinator 2022, 2023 and current, 2026
b. Faculty Postgraduate Research coordinator 2022 to 2024
c. Departmental postgraduate research Coordinator 2022 to date
d. Faculty Chair of research 2022 to date
e. Member of Faculty Finance committee
f. Member of Faculty Quality assurance committee
g. Member of Faculty Examination Committee

COMMUNITY OUTREACHES

Actively participated in faculty/ university organized community outreaches. For example: -



1. Community outreach at Kamugamguzi Jonan Luwum S.S –Kabale District in June 2022. The focus was Carrer guidance, promotion of university programs, ICT usage.

2. A community outreach at Kitagata Secondary School, Sheema District on 4th June 2024, the focus was Carrer guidance, promotion of university programs, usage of ICTs and safe usage of the internet and social media applications awareness

3. Was actively involved in the holiday makers bootcamp from 15TH -19TH January, 2024, focus was on ICT skilling for the holiday makers

4. On 11/6/2025 participated in the outreach at st Kagwa High School and Bishop Ogez Secondary schools with the major Carrer guidance, promotion of university programs, usage of ICTs and safe usage of the internet and social media applications awareness

5. From 10th –11th November 2025, participated in the ICT skilling outreach for Kabale university students with disabilities.

In January 2026, I was part of the ICT skilling facilitators for the holiday makers boot camp 2026 edition.

Apart from the University community outreaches, in my local community. I'm engaged in the Mosque administration as a member of the management Committee. Butare Mosque, have officially served as the chairman school management committee despite my tenure coming to an end in January 2026.

Masters students supervised to completion

No	Name and Reg, No	Title	Graduation
1	Taremwa Benjamin 2022/A/MIT/0360/W	Enhancing Attendance Management through Face Recognition Technology: A Case Study at Rugarama School of Nursing and Midwifery	October 2024
2	Tweheyo Gidion 2022/A/MIT/0257/W	A Level Students Academic Performance Predion In Selectedsecondary Schools of Rukiga District	October 2025
3	TUHIRIIRWE Phiona 2022/A/MIT/0399/W	Framework For Mitigating Insider Securty Threats In Selected Tertiary Institutions In Kabale District.	October 2025
4	Tumushabe Eldon 2023/A/MIT/4112/W	A Framework To Mitigate Insider Threats In Civil Registration Systems. A Case Of Nira Kisoro Branch	October 2025



5	Kirungi, D 2023/A/MTH/4153/W	An Exploration of the Potential of Digital Nomads as a Viable Market Segment in Southwestern Uganda	October 2025
6	Isabirye Samuel 2021/A/MIS/2713/W	Factors Influencing use of District Health Information System-2 for Effective Decision Making in Health Care Delivery: A Case Study of Kabale Regional Referral Hospital	October 2025

Master's Thesis Externally Examined

No.	Name &Reg No.	Title	University	Year
1	OTANDEKA AMIINA 2023/MSIS/033/PS	A DIGITAL INTEGRATION FRAMEWORK FOR ENHANCING EDUCATIONAL QUALITY AND ACCESS IN SECONDARY SCHOOLS IN UGANDA	MUST	2025
2	KIJUMI MARTIN 2022/MSIS/021/PS	A Framework for Foot and Mouth Disease Awareness Using GIS	MUST	2025
3	BYAMATUNGO JESSY 2023/MSIS/025/PS	A FRAMEWORK FOR ENHANCING THE ADOPTION OF ELECTRONIC HEALTH INFORMATION SYSTEMS BY HEALTH PROFESSIONALS IN UGANDA: A CASE STUDY OF INFECTIOUS DISEASES INSTITUTE	MUST	2025
4	SSEMWEZI JOHN MARY 2023/MSIS/022/PS	Framework For The Adoption of the Academic Information Management Systems in Public Universities Case Study Mbarara University of Science and Technology	MUST	2025
5	Atwijusye Jude 2023/MSIS/004/PS	A DIGITAL MODEL FOR MENTAL HEALTH PROMOTION, DENTIFICATION, AND REFERRAL IN UGANDAN UNIVERSITIES	MUST	2025
6	NZAYISENGA NICHOLAS 2023/MSIS/031/PS	A DIGITAL CRIMINAL JUSTICE FRAMEWORK FOR THEJUDICIARYUGANDA: A CASE STUDY OF MBARARA CITY	MUST	2025
7	NSAMBA SHAFFIC 2023/MSIS/019/PS	A DATA MASKING AND VISUALIZATION FRAMEWORK 7FOR ANALYZING UGANDA ELECTRONIC MEDICAL RECORDS DATA A	MUST	2025



		CASE STUDY OF MBARARA REGIONAL REFERRAL HOSPITAL		
8	Tom Magombe 2023/MSIS/012/PS	A FRAMEWORK FOR IT-ENABLED MENTOR SUPPORT SYSTEMS TO COMBAT ADOLESCENT DEPRESSION: A CASE STUDY OF MAKERERE UNIVERSITY BUSINESS SCHOO	MUST	2025
9	Okello Francis 2022/MSIS/022/PS	AFACEBOOK ADVERTS ASSESSMENT FRAMEWORK FOR IMPROVING BUSINESS SALES OF SMALL AND MEDIUM ENTERPRISES CASE STUDY: THE RETAIL SECTOR IN KAMPALA, UGANDA'S CAPITAL CITY	MUST	2025
10	TUSASIIBWE IVAN 2022/MHIT/007/PS	Optimising Pediatric HIVtreatment adherence through biometric Technology: Acomprehensive tracking and reminder framework	MUST	2024
11	Abomugisha Moreen 2021MSIS/009/PS	An Awareness Model for Security Incidents in the Blended Learning: A Case Study of Mbarara University of Science and Technology	MUST	2024
12	ATUKWATSE NAUME 2022/MSIS/019/PS	An implementation framework for the new curriculum in lower secondary schools.	MUST	2024
13	Agaba Patience 2022/MSIS/009/PS	A MACHINE LEARNING MODEL FOR EARLY DETECTION OF PREMATURE BIRTHS. A CASE STUDY OF KISIIZI HOSPITAL, RUKUNGIRI DISTRICT, SOUTH WESTERN UGANDA	MUST	2024
14	Tusasirwe Ivan 2022/MHIT/007/PS	OPTIMISING PEDIATRIC HIV TREATMENT ADHERENCE THROUGH BIOMETRIC ECHNOLOGY:ACOMPREHENSIVETRACKI NGANDREMINDERFRAMEWORK	MUST	2024

Undergraduate students Projects supervised to completion

Graduation Year 2023		
NO	**Student Name**	**Reg. Number**
1.	Byaruhanga Happiness	2020/A/KCS/0308/F
2.	Musimenta Timothy	2020/A/KCS/1311/F
3.	Babirye Ruth Nantongo	2020/A/KIT/2259/F
4.	Boonabana Kirunga Maxine	2020/A/KIT/0064/G/F
5.	Byamukama Hillary	2020/A/KIT/2720/F



6.	Bwambale Gedion	2020/A/KIT/0318/F
7.	Mbabazi Phenny	2021/A/ITK/0170/F
Graduation Year 2024		
8.	KAWEESI PATRICK	2021/A/KIT/3022/G/F
9.	NAKAJIRI MARIA REBECCA	2021/A/KIT/1775/G/F
10.	MUGISHA MILDARD APIPAWE	2021/A/KIT/0472/F
11	NTAMBI LATIFU	2022/A/KIT/0432/F
12	PAUL MUHWEZI	2021/A/KIT/3030/G/F
13	NAMANYA ARONE	2021/A/KIT/2904/F
14	ARINDA RONAH	2021/A/KIT/0420/F
15	AYEBARE NICE	2021/A/KIT/0473/F
16	TUSINGWIRE ROSELINE	2021/A/KIT/0227/F
17	MUBIRU HASSAN	2021/A/KIT/1776/G/F
18	ATUHEIRE MERCY	2021/A/KIT/0220/F
19	SABIITI OWEN	2022/A/ITK/0231/F
20	NAYEBARE LOVANCE	2021/A/KIT/0620/F
21	MIRE BLESS	2022/A/ITK/1306/F
22	TUMWEKWATSE ARMSON	2022/A/ITK/1118/F
Graduation Year 2025		
23	EMORU JENIFER	2022/A/KIT/1906/G/F
24	ALOR MATHEW AWANY	2022/A/KIT/0954/G/F
25	ATUGONZA JUNIOR	2023/A/DIT/1944/F
26	MURAMUZI VICTOR	2023/A/DIT/3582/F
27	IRADUHA ROLAND	2020/A/ITK/0327/F
28	MUNYANEZA GILBERT	2023/A/DIT/4731/F
29	ARINDA WELLEN	2022/A/KIT/0562/F
30	TEGOMUHANGI SELESTINO	2022/A/KIT/0239/F

PUBLICATIONS

Published books

1. Venkateswarlu, M., & Hussein, M. (2023). *Cloud computing*. Scientific International Publishing House

Journal articles

1. Niyonzima, I., Muhaise, H., & Akankwasa, A. (2024). Application of artificial intelligence in e-governance: a comparative study of supervised machine learning and ensemble learning algorithms on crime prediction. *Frontiers in Multidisciplinary Research Journal*, *2*(4), 4-13.
2. Muhaise, H., Mbabazi, P. B., Ssemaluulu, P., & Gloria, M. (2023). The Taxonomy Mobile Learning Applications in Higher Institutions of Learning in Ugandan Universities: A Case of Kabale University, Uganda. *International Journal of Research and Innovation in Applied Science*, *8*(5), 43-56.
3. Mercy, K., Hussein, M., Paul, A., & Eze, V. H. U. (2024). Enhancing Sales Demand Prediction for Supply Chain Management: A Dimensionality Reduction Approach at Mukwano Company Limited, Uganda. *IDOSR JOURNAL OF SCIENTIFIC RESEARCH*, *9*(1), 51-71.
4. Adayemi, A., Joe, M., & Muhaise, H. (2024). Evaluation of learning management systems for success factors. *International Journal of Research*, *8*(3), 808-817.
5. Muhaise, H., Mbabazi, P. B., Ssemaluulu, P. & Kyomugishae, P. (2023). Assessing Medical Students' Learning Style Preferences at Kabale University Medical School, Uganda. East African Journal of Information Technology, 6(1), 34-44. https://doi.org/10.37284/eajit.6.1.1177
6. Samanya, B., Mulegi, T., Malinga, R. B., Muhaise, H., & Atwijukire, W. (2023). Exploring the Impact of Decentralization on Service Quality at Bwera District Local Government Hospital in Kasese District. *IAA Journal of Management*, *10*(2), 1-16.
7. Samanya, B., Mulegi, T., Malinga, R. B., Muhaise, H., & Atwijukire, W. (2023). Examining the Influence of Regulatory Governance on Service Quality in Bwera District Hospital, Kasese District, Western Uganda. *IAA Journal of Management*, *10*(2), 17-31.
8. Mutebi, J., Kareyo, M., Chinecherem, U., Muhaise, H., Akampurira, P., & Okello, M. (2022). Medical information breaches occurrence with respect to Social Media usage, in selected medical institutions in Uganda. *Journal of Computer and Communications*, *10*(10), 10-33.
9. Muhaise, H., Ejiri, A. H., Muwanga-Zake, J. W. F., & Kareyo, M. (2020). The research philosophy dilemma for postgraduate student researchers. *International Journal of Research and Scientific Innovation*, *7*(4), 2321-2705.

10. Muhaise, H., Kareyo, M., & Muwanga-Zake, J. W. F. (2019). Factors influencing the adoption of electronic health record systems in developing countries: a case of Uganda. *Amer Acad Sci Res J Eng Technol Sci*, *61*(1), 160-6.
11. Muhaise, H., Muwanga-Zake, J. W. F., & Kareeyo, M. (2019). Assessment model for electronic health management information systems success in a developing country context: a case of the greater Bushenyi districts in Uganda. *Am. Sci. Res. J. Eng. Technol. Sci*, *61*(1), 167-185.
12. Mundu, M. M., Nnamchi, S. N., & Muhaise, H. (2000). Sustainable energy transitions in Uganda: influential determinants of the renewable energy landscape. *Europe*, *2005*(2010), 2015.
13. Muhaise, H., & Kareeyo, M. (2017). Electronic health information systems critical implementation issues (E-HMIS): district health information software Version. 2 in the greater Bushenyi, Uganda. *American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)*, *34*(1), 205-212.
14. Muhaise, H., & Ejiri, A. H. (2016). Factors influencing district health information software version 2 success–a case of the greater Bushenyi districts, Uganda. *American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)*, *26*(1), 166-176.
15. Benard, M. C., Hussein, M., Victor, T., & Charo, J. S. (2022). A Review on Data Security and Emerging Threats in Cloud Computing. *International Journal of Research and Scientific Innovation*, *9*(VI).
16. Berhe, M. G., Ezekiel, N., Hussein, M., & Lawrence, K. A. (2023). Stakeholder-Centric Analysis for Enhancing Private Sector Building Project Performance in Kampala, Uganda.
17. John, K., Aliyu, E. D. S., John, U. K., & Hussein, M. Construction Management Practices and Procurement Standards in the Upgrade of Health Centres in Bunyoro Sub-Region. A Case of Ministry of Health Uganda.
18. Ahereza, G., Muhaise, H., Lawal, A. Q., & Mundu, M. M. Construction Bonds Effect for Novice Construction Firms in Kampala Uganda.



FUNDED RESEARCH

Despite my efforts into grant writing, I haven't been successful

	Project	Outcome
January 2026	**Horizon Europe (HORIZON) Call: HORIZON-CL4-2025-04 Project: 101298713 — GALL**	**A rejection letter**
February 2025	**HORIZON-CL4-2025-04-HUMAN-08**	**Unsuccessful**
March 2026	**Protecting Kalinzu's Chimpanzees Using ICTs: A Pilot Monitoring and Community Education Effort**	**Pending Decision**

CONFERENCE PRESENTATIONS

The Multi-disciplinary Research Dissemination Workshop 2025 *Harnessing the Power of Research for Inclusive Growth and Wealth Creation- Kabale University, August* 27-29 2025

2019 ICT Summit for Africa (ITS4A-2019) Jan.23- 25 Mbarara- Uganda. Mbarara University of Science and Technology- 2019

11th Annual Research Dissemination Conference (ARDC), 2015 Mbarara University Of Science and Technology

KEYNOTE ADDRESSES AND INVITED GUEST SPEAKERSHIP

a. Guest Speaker at Ankole Western University on AI use, September 2025
b. Guest speaker at Valley university on Technology, October 2024

