DR BARBARA N. KAYONDO

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ACADEMIC PROFILE

Information Systems scholar and university lecturer whose research spans data protection compliance, responsible AI, technology governance and university–industry collaboration. Awarded a PhD in Information Systems by the University of Cape Town in September 2026. Brings extensive experience in quantitative research, design science, postgraduate teaching, programme assessment, grant development and the coordination of multidisciplinary partnerships.

EDUCATION

PhD in Information Systems, University of Cape Town, South Africa (2022–2026; conferred September 2026)
Thesis research on data protection and privacy compliance in Ugandan hospitals.

MSc in Monitoring and Evaluation, Uganda Technology and Management University (2015–2018)

MSc in ICT Management, Policy and Architectural Design, Uganda Martyrs University (2010–2012)

Advanced Diploma in ICT Pedagogy, Life Academy, Karlstad, Sweden (2014–2015)

BSc in Information Technology, Uganda Martyrs University (2005–2008)

Certificate in Research and Proposal Writing in the Sciences, INASP (2020)

ACADEMIC AND PROFESSIONAL APPOINTMENTS

Lecturer, Department of Information Systems, Makerere University Business School (2023–present)
Undergraduate and postgraduate teaching, research, project supervision and publication.

Programme Assessor, National Council for Higher Education, Uganda (2015–present)
Curriculum and institutional quality assurance assessments.

Head of ICT Department, University of Kisubi (2017–2019)
Teaching coordination, curriculum development and industry engagement.

Lecturer, University of Kisubi (2013–2021)

Part-time Lecturer, Uganda Martyrs University (2012–2017)

RESEARCH GRANTS AND PROJECT FUNDING

Principal Investigator, Inter-University Council for East Africa (IUCEA), USD 10,000 (April 2026)
Strengthening University–Industry Collaboration through an AI-Enabled Digital Collaboration Platform. Led project engagement with the Uganda Industrial Research Institute (UIRI).

Co-Principal Investigator, Makerere University Research and Innovations Fund (MakRIF), UGX 139,950,000 (2023)
Project on youth unemployment and university–industry collaboration.

Effective Ventures Foundation, USA, three awards totalling USD 7,975.75

- September 2026: USD 2,336.75 in support of Effective Altruism Kampala initiatives
- 2024: USD 1,581 for Effective Altruism Kampala activities and the introductory fellowship
- 2023: USD 4,058 for the Effective Altruism Kampala introductory fellowship and official launch

TEACHING, SUPERVISION AND ACADEMIC LEADERSHIP

- Teaches *Emerging Technologies in Business* in the MBA (Data Analytics) specialisation at MUBS, covering artificial intelligence and other emerging technologies used in organisations.
- Teaches undergraduate Information Systems courses and supervises Master's and undergraduate research.
- Coordinates grant proposal development within the Department of Information Systems, MUBS.
- Elected class coordinator during doctoral studies at the University of Cape Town, and the first member of the PhD cohort to graduate (September 2026).
- Led ICT departmental teaching and curriculum development at the University of Kisubi.

SCHOLARSHIPS AND ACADEMIC RECOGNITION

- **Staff of the Semester**, Makerere University Business School (2025)
- **International and Refugee Students' Scholarship**, University of Cape Town, for two years of doctoral study
- **NUFFIC Scholarship** (Netherlands) for MSc studies at Uganda Martyrs University
- **SIDA-supported Scholarship** (Sweden) for advanced training in ICT pedagogy
- **Madhvani Foundation Scholarship** for second- and third-year undergraduate tuition at Uganda Martyrs University

RESEARCH INTERESTS

Data protection and privacy legislation; responsible AI and AI governance in health systems; digital transformation; sociotechnical and design science research; information systems security; university–industry collaboration; ICT policy, monitoring and evaluation.

PUBLICATIONS

Peer-Reviewed Journal Articles

1. **Kayondo, B. N.**, Tuhame, M. K., Nyesiga, C., & Nakawoya, F. (2026). Knowledge, attitudes, behaviour and compliance intentions towards the Data Protection and Privacy Act in Ugandan higher education institutions: The moderating role of educational attainment. *Information & Computer Security*. https://doi.org/10.1108/ICS-08-2025-0311
2. **Kayondo, B. N.**, & Kyobe, M. (2025). Influence of trust on hospital staff compliance with the data protection act, moderated by noncompliance costs: A Ugandan case study. *Information & Computer Security*, *33*(4), 649–669. https://doi.org/10.1108/ICS-08-2024-0210

3. **Kayondo, B. N.**, & Kyobe, M. (2025). The influence of self-efficacy, trust, perceived costs and healthcare-environment on compliance with the Data Protection and Privacy Act by health workers in Uganda. *The Electronic Journal of Information Systems in Developing Countries, 91*(2), e70002. https://doi.org/10.1002/isd2.70002
4. Tuhame, M. K., **Kayondo, B. N.**, Basaza Habinka, A. D., & Maiga, G. (2025). Career preference-personality mismatch: Leveraging the RIASEC model in IT-driven career guidance. *Journal of Information Systems and Informatics, 7*(2). https://doi.org/10.51519/journalisi.v7i2.1121
5. **Kayondo, B. N.**, & Tuhame, M. (2025). Economic consequences of obligatory animal welfare standards in livestock industries: A comparative study. *African Journal of Veterinary Science, Biotechnology and Wildlife Research, 1*(1), 47–67. https://doi.org/10.31920/2978-3402/2025/v1n1a3
6. **Kayondo, B. N.**, & Kamondo, M. T. (2024). Towards a prospective communication model for university-industry collaborations in Uganda. *University of Dar es Salaam Library Journal, 19*(2), 66–81.
7. Tuhame, M. K., **Kayondo, B. N.**, Basaza Habinka, A., & Maiga, G. (2024). Requirements for a technology-supported students' career selection model: Insights from social cognitive career theory. *Journal of Information Systems and Informatics, 6*(4), 2255–2277. https://doi.org/10.51519/journalisi.v6i4.873
8. Odoch, H. J., Mukoza, M. M., **Kayondo, B. N.**, & Namono, R. (2024). High-performance human resource practices: Implications for discretionary work behaviour in higher educational institutions. *Vilakshan: XIMB Journal of Management*. https://doi.org/10.1108/XJM-04-2024-0063
9. Odoch, H. J., **Kayondo, B. N.**, Nabafu, R., & Wofuma, G. (2024). Enhancing creative work behaviour in higher education institutions amidst the COVID-19 pandemic: The role of self-efficacy. *Continuity & Resilience Review*.
10. **Kayondo, B. N.**, & Kibukamusoke, M. (2020). Effect of monitoring and evaluation processes on student course completion in universities. *International Journal of Technology and Management, 5*(1), 1–15.

Conference Papers and Proceedings

1. Tuhame, M. K., Maiga, G., Habinka, A., & **Kayondo, B. N.** (2022). Towards a conceptual model for developing a career prediction system for students' subject selection at secondary school level. *African Conference on Information Systems and Technology (ACIST)*, Malawi. https://digitalcommons.kennesaw.edu/acist/2022/presentations/17/
2. Namuyiga, N., Lukyamuzi, A., & **Kayondo, B.** (2013). Harnessing social networks for university education: A model for developing countries, the case of Uganda. *Proceedings of the International Conference of Education, Research and Innovation (ICERI)*, Seville, Spain.
3. Angole, R., Lukyamuzi, A., Tiragana, A., **Kayondo, B.**, & Mirembe, E. (2013). Fast learner help novice (FLHN) approach: Keeping student passion in learning computer programming. *Proceedings of the International Conference on Education and New Learning Technologies (EDULEARN)*, Barcelona, Spain.

Books and Professional Learning Materials

1. **Kayondo Tuhame, B.** (2025). *ICT Essentials for Secondary Schools and Tertiary Institutions* (2nd ed.). National Curriculum Development Centre-certified textbook. ISBN 9789970963416.

2. **Kayondo Tuhame, B.** (2017). *ICT Essentials for Secondary Schools and Tertiary Institutions* (1st ed.). National Curriculum Development Centre-approved textbook.
3. Institute of Certified Public Accountants of Uganda. (2023). *CPA Study Pack: Management and Information Systems, Paper 4*. ICPAU. ISBN 9789970531431. (Contributor)

ACADEMIC SERVICE, MENTORING AND COMMUNITY ENGAGEMENT

- Programme assessment and curriculum quality assurance for the National Council for Higher Education, Uganda.
- Organiser and coordinator of grant proposal-writing activities at Makerere University Business School.
- Organiser of Effective Altruism Kampala and associated university communities, coordinating introductory fellowships, outreach and research-oriented discussions.
- Mentor to young women and girls in Technovation and other ICT innovation programmes.
- Contributor to animal welfare and responsible technology use initiatives.

REFEREES

Prof. Michael Kyobe
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Dr John Paul Kasse
Dean, Faculty of Computing and Informatics
Makerere University Business School
Kampala, Uganda
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