KARATINA UNIVERSITY

STAFF PROFILE TEMPLATE

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1. **Name:** Dr. Mwai Josphat Karani
2. **Designation**: Lecturer

   School: Computing and Informatics

   Department: Informatics and Innovation

3. **Contact Information**

   Email Address jkarani@karu.ac.ke, jkaraniw@gmail.com

Research Links:

   Google scholar Accouunt - Josphat Karani Mwai - Google Scholar

   ORCID Account - https://orcid.org/my-orcid?orcid=0009-0005-6014-8001

4. **Describe your professional self**

Dr. Mwai Josphat Karani is a Lecturer in the Department of Informatics and Innovation at Karatina University. He holds a PhD in Information Technology, a Master of Science in Computer Science, and a Bachelor of Science in Information Technology. His professional experience spans teaching, research, curriculum development, and academic leadership.

He has extensive experience in designing, implementing, and evaluating undergraduate and postgraduate curricula, as well as supervising postgraduate students to successful completion. His research interests include ICT for Development (ICT4D), cybersecurity, e-governance, and e-learning.

He also possesses strong practical expertise in the development and deployment of ICT solutions within the education sector, supporting digital transformation, institutional efficiency, and technology-enhanced teaching and learning. He is committed to nurturing the next generation of ICT professionals through high-quality instruction, rigorous research mentorship, and active engagement with industry and professional bodies.

His career objective is to provide strategic academic leadership by strengthening curriculum development, enhancing research output, and mentoring the next generation of ICT professionals.

5. **Area/ Field of specialization**: Information Technology: Information Systems and Digital Government for Public Sector Transformation, E-Learning, and ICT for Development.

6. **Research interests**: Information Systems; Digital Government; ICT for Development (ICT4D); - Web Technologies and Social Media Integration; Public Sector Digital Transformation, e learning; cyber security

Peer-reviewed Publications

Mwai, J. K., Makokha, J. W., & Karume, S. M. (2020). *A framework for integration of Web 3.0 and social media technologies in government portals for personalized integrated service delivery. International Journal of Computer Trends and Technology (IJCTT)*, *68*(5), 66–73. https://doi.org/10.14445/22312803/IJCTT-V68I5P114

Mwai, J. K., Karume, S. M., & Makokha, J. W. (2020). *Transforming service delivery in government through integration of Web 3.0 and social media technologies: A case for developing*

countries. Computer Science and Information Technology, 8(3), 57–65. https://doi.org/10.13189/CSIT.2020.080301