

CURRICULUM VITAE

PERSONAL DETAILS

Name: **ALICE NAMBIRO WECHULI**
Date of Birth: 10 April 1989
Marital Status: Married
Nationality: Kenyan
Passport No: AK0130155 (Valid till 11th June 2028)
Religion: Christian
Postal Address: P.O Box 697, Bungoma, Kenya
Mobile Phone: +254 726120259, +254 738120259
Language: English, Swahili and Mother tongue
E-mail alicenambiro@yahoo.com, anambiro@kibu.ac.ke

EDUCATIONAL BACKGROUND:

January 2015 – December 2017: Doctor of philosophy in Information Technology.

Kibabii University.

2011 - 2014: Master of Science in Information Technology.

Masinde Muliro University of Science and Technology.

2007 - 2011: Bachelor of Science in Computer Science.

Second class honors (Upper Division).

Masinde Muliro University of Science and Technology.

2002 – 2005: Kenya Certificate of Secondary Education (KCSE).

Mean Grade A-(minus).

Lugulu Girls High School.

1993 – 2001: Kenya Certificate of Primary Education (KCPE).

392 marks.

Kakamega Hill School.

PROFESSIONAL TRAINING:

21 June to 25 July, 2020: Introduction to Technology Enabled Learning

MOOC jointly offered by the Commonwealth of Learning
and Athabasca University (Online)

March 2019:

IBM Big Data Engineer Training

University of Nairobi

October 2018:

Blockchain Technology Training by IBM

University of Nairobi

16th – 18th March 2018:

**ISO 9001:2015 Qualified Quality Management Systems
Auditors**

Eldoret

April 2016:

Java Refresher Course by Oracle academy

Kibabii University

PROFESSIONAL EXPERIENCE:

June 2018 – Date: Kibabii University

Lecturer

- Lecturing Information Technology undergraduate students
- Lecturing Information Technology Masters students
- Lecturing Information Technology PhD students
- Lecturing Computer Science undergraduate students
- Supervising undergraduate Student projects
- Supervising Masters Students work.
- Supervising PhD Students work.

Responsibilities held as Lecturer

- In-charge, ODEL Directorate
- Open Distance and eLearning board member
- Member of University senate
- Member of the University Deans committee
- ISO 9001:2015 Internal Audit Deputy Team Leader
- ISO 9001:2015 Internal Auditor
- Internal examiner

- SCAI Postgraduate Board representative to the school of graduate studies graduate Board
- Information Technology Department Students' Academic Advisor
- Member of committee to formulate strategies for linking students with employers
- School of Computing and Informatics Information Security Management System (ISMS) champion

July 2015 – May 2018: Kibabii University

Tutorial Fellow

- Lecturing Information Technology undergraduate students
- Lecturing Computer Science undergraduate students
- Lecturing Education (Mathematics and Computer) undergraduate students
- Supervising undergraduate student projects.

Responsibilities held as Tutorial Fellow

- SCAI Postgraduate Board representative to the school of graduate studies graduate Board
- Member of committee to formulate strategies for linking students with employers
- Information Technology Department Students' Academic Advisor
- School of Computing and Informatics Information Security Management System (ISMS) champion
- Information Technology Department Timetable Coordinator

January – July 2015: Masinde Muliro University of Science and Technology
IT and Computer Science Lecturer (Part-Time).

January – May 2015: Kibabii University College
Information Technology Lecturer (Part-Time).

2013 – 2014: Mount Kenya University (Nairobi Campus)
Information Technology Lecturer (Part-Time).

November – December 2012: Independent Electoral and Boundaries Commission
Biometric Voter Registration Clerk

May - November 2012: Computer Society of Kenya

Web designer

UNIVERSITY LEVEL BOOK PUBLICATION:

1. Nambiro, A. W., Muchiri, G. M. & Matoke, N. (2016). *Assessment Framework for Cyber Security*. Lambert Academic Publishing (ISBN 978-3-659-81878-3)

REFERED PUBLISHED PAPERS:

1. Khamusali R. O and Nambiro A. W. (2020). Emerging Trends In E-Tourism and Its Impact on Tourism Sector. *International Journal of Scientific Research in Science, Engineering and Technology* 7 (5). Print ISSN: 2395-1990 | Online ISSN : 2394-4099(www.ijrsrset.com)doi: <https://doi.org/10.32628/IJSRSET20744>
2. Muyembe B. A. and Nambiro A. W. (2020). ICT4D: Towards ICT Adoption in the business sector to Bridge Digital Divide. *Journal of Emerging Technologies and Innovative Research* 7 (6). ISSN : 2349-5162
3. Gichuki D. K. and Nambiro A. W. (2020). Online Agriculture Extension Based on Internet Communication Principles. *International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET)*. 7(3).
4. Wabwoba F. and Nambiro A. W. (2020) ICT for Sustainable Development without Digital Divide in Africa. *International Journal of Computer Trends and Technology (IJCTT)* 68 (4)
5. Gichuki D. K. and Nambiro A. W. (2019). Virtualization Performance Evaluation for Green IT Deployment in Public Universities. *International Journal of Computer Science and Technology (IJCST)* 10 (3)
6. Owoche P., Wabwoba F. and Nambiro A.W. (2019). Global Information Technology Infrastructure in addressing the problem of Environmental Degradation in Kenya. *International Journal of Information Technology Convergence and Services (IJITCS)* 9 (1)
7. Gichuki D. K., Nambiro A. W. and Wabwoba F. (2018). "An Investigation of the Impact of System Virtualization on Green ICT Deployment in Kenyan Public Universities. *International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET)* 4(11):25-29 Print ISSN: 2395-1990,

Online ISSN: 2394-4099 DOI: <https://doi.org/10.32628/IJSRSET173810> URL:
<http://ijsrset.com/IJSRSET173810>

8. Wabwoba F. and Nambiro A. W. (2018). Stakeholders' Dilemma and Academic Leadership on the Different Computing Disciplines. *International Journal on Integrating Technology in Education (IJITE)* 7(3):11-27. ISSN 2320-1886 (online); 2320-3935 (print). DOI :10.5121/ijite.2018.7302
<http://airconline.com/ijite/V7N3/7318ijite02.pdf>
9. Nambiro A. W., Wabwoba F. and Barasa P. (2017). Mobile communications and Telecommuting: Are they a necessary evil for Business Community in Kenya? *Africa International Journal of Management Education and Governance (AIJMEG)* 2(4):103-111 ISSN: 2518-0827. www.sciwindex.com/wp-content/uploads/2017/08/Mobile_communications_and_Telecommuting.pdf
10. Nambiro A. W., Wabwoba F. and Wasike J. (2017). User Perceived Secure Mobile Banking Service Provision Framework. *International Journal of Computer Engineering and Information Technology (IJCEIT)*, 9 (10), 225–232. E-ISSN 2412-8856. Available online at www.ijceit.org
11. Nambiro A. W., Wabwoba F. and Wasike J. (2017). Cyber Security Challenges to Mobile Banking in SACCOs in Kenya. *International Journal of Computer (IJC)* 27 (1), 133-140. ISSN 2307-4523. Available online at <http://ijcjournal.org/>
12. Barasa P. W. & Nambiro A. W. (2016). Multi-agent Based M-voting System. *International Journal of Trend in Research and Development (IJTRD)*, 3 (6) ISSN: 2394-9333. Available online at <http://www.ijtrd.com/papers/IJTRD5389.pdf>
13. Barasa P. W., Nambiro A. W. & Savatia E. (2016). Multi-agent Based Surveillance System for Diseases. *International Journal of Trend in Research and Development (IJTRD)*, 3 (6) ISSN: 2394-9333. Available online at <http://www.ijtrd.com/papers/IJTRD5389.pdf>
14. Barasa P. W., Owoche P. & Nambiro A. W. (2016). E-learning Transforming Economies. *International Journal of Trend in Research and Development*

(IJTRD), 3 (6) ISSN: 2394-9333. Available online at

<http://www.ijtrd.com/papers/IJTRD5389.pdf>

15. Nambiro, A. W., Muchiri, G. M. & Matoke, N. (2014). Cyber Security Assessment Framework: Case of Government Ministries in Kenya. *International Journal of Technology in Computer Science & Engineering*, 1(3), 100 – 113 ISSN 2349-1582. Available online at <http://www.ijtcse.com>
16. Nambiro, A. W., Muchiri, G. M. & Matoke, N. (2014). Survey of Cyber Security Frameworks. *International Journal of Technology in Computer Science & Engineering*, 1(2), 33-39 ISSN 2349-1582. Available online at <http://www.ijtcse.com>

CONFERENCE PAPERS

1. Karisa K. R., Nambiro A. W. and Kilwake J. (2019). A Technological Infrastructure Assessment Framework for Telemedicine Adoption in Kenyan Level Four Hospitals. The 4th International Conference on Enhancing Food Security and Universal Health Care for Sustainable Development held at Kibabii University Main Campus from 12th to 14th June 2019.
2. Nambiro A. W., Wabwoba F. and Barasa P. W. (2017). Mobile communications and Telecommuting: Are they a necessary evil for Business Community in Kenya? The 2nd Eldoret International Conference on Poverty and Sustainable Development in Africa held at Kisii University Eldoret Campus in September 2017.

POSTGRADUATE WORK SUPERVISED TO COMPLETION

Master of Science (Information Technology Thesis)

1. Gichuki K. D. (2018). Green Information Technology Framework in a Virtualized Environment in Public Universities in Kenya (Kibabii University, Kenya)

ONGOING POSTGRADUATE WORK SUPERVISION

a) Doctor of Philosophy (Information Technology Thesis)

2019

1. Batoya I. Integration of Portable Technologies to Enhance Collaborative Teaching and Learning in Basic Education in Kenya (Kibabii University, Kenya)

2018

2. Wangila J. A Model for Semantic Web and Grid Technology Use in Collaborative Researches for Universities in Kenya (Kibabii University, Kenya)

b) Master of Science (Information Technology Thesis)

2019

1. Karisa K. R. Technological Infrastructure Framework for Telemedicine Adoption in Kenyan Level Four Hospitals. (Kibabii University, Kenya)

POSTGRADUATE EXAMINED THESES

a) Doctor of Philosophy (Information Technology Thesis)

1. Etene Y. (2019). Modelling Cloud Computing Environment Towards Affordable Information Communication Technology Integration In Primary Schools (Kibabii University) (As Internal Examiner)
2. Motochi V. (2019). Modelling a Secure Security Architecture on Virtualized Environments for Small and Medium Enterprises in Kenya. (Kibabii University) (As Internal Examiner)
3. Ronoh R. K., (2018). Modeling Innovative Features on Mobile Phone Usage Patterns amongst University Students. (Kibabii University) (As Internal Examiner)

b) Master of Science (Information Technology Thesis)

1. Afwande M. A., (2019). Framework for Evaluation of Effectiveness of Integrated Financial Management Information System Architecture Implemented in Public Hospitals in Kenya. (Kibabii University) (As Internal Examiner)
2. Chekulesi A. W. (2018). Mobile Learning Technology Acceptance Model in Public Universities in Kenya

FUNDING OBTAINED FROM DONORS

1. Technology Enabled Learning implementation support from Commonwealth of Learning worth Kshs. 856,000 in the year 2020.
2. PhD (IT) research funding from the National Commission for Science, Technology and Innovation (NACOSTI) worth Kshs 500,000 in the year 2016.
3. Kenya Government funding for undergraduate studies (HELB) from 2007 to 2011.

PROFESSIONAL MEMBERSHIP:

1. Association of Computing Machinery (ACM) Professional Member number 3888788
2. International Association of Engineers (which is the International Association for Engineers and Computer Scientists): Member number 149435.

REFEREES:

1. Prof. Solomon I. Shibairo
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2. Prof. Franklin Wabwoba
Kibabii University,
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3. Prof. Geoffrey Muchiri
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