

CURRICULUM VITAE

Prof. Franklin Wabwoba, PhD (IT)

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fwabwoba@kibu.ac.ke,

Marital status: Married

Personal Information

Nationality: Kenyan
Passport Status: Kenyan passport No. B011601 (Valid to 17th June 2019)
Yellow fever vaccination: Valid to 15th November, 2024
Date of birth: 12th august, 1967
Religion: Christian
Languages spoken: English, Kiswahili and Mother tongue
Home Area: Milo Village (Kenya)

Education

- **ACADEMIC CERTIFICATIONS**
- **2010- 2013 Masinde Muliro University of Science and Technology** **Kakamega: Kenya**
PhD (Information Technology): Graduated in 2013
- **2003-2006 Kenyatta University** **Nairobi: Kenya**
Master of Science (Computer Applications). Graduated in 2007
- **2000-2001 Institute of Health Care Administration** **India**
Advanced Diploma In Human Resource Development: Completed in 2001
- **Obtained a first division with an average mark of 66.69%**
- **1996–1997 University of South Africa** **Pretoria: South Africa**
Postgraduate Endorsement (Education Management): Graduated in 1997 with an average mark of 70%
Covered Personnel Management, Education Foundations, School Management and Education Law
- **1988–1991 Egerton University** **Nakuru: Kenya**
Bachelor of Education (Science): Completed in 1992 with a second class Honours
Covered Education, Computer science and Mathematics courses
- **1981–1987 Musingu high School** **Kakamega: Kenya**
Kenya Advanced Certificate of Education ('A' level): Completed in 1987
Obtained 3 Principles and 1 Subsidiary getting 14 points out of max. 19
Mathematics "A", Physics "D", Biology "C" and general paper Subsidiary
Kenya Certificate of Education ('O' level): Completed in 1984
Obtained division one with 19 points
- **1974–1980 Kaimosi Junior Primary School** **Tiriki: Kenya**
Kenya Certificate of Education: Completed in 1980
Obtained 32 points out of maximum 36 points
English "B", Mathematics "A" and General Paper "A-"

Leadership Training

- **May 2017 Pinebridge Training and Consulting Ltd** **Kenya**
Enterprise Risk Management Training
- **May 2016 by the Federation of Kenya Employers** **Kenya**
Pre-CBA negotiation skills training
- **21st and 22nd May 2015 by the Ethics and Anti-Corruption Commission (EACC)** **Kenya**
Corruption prevention training
- **May 2014 by Centre of Corporate Governance** **Kenya**
Corporate Governance
- **2005 Outward Bound Trust** **Kenya**

Sign:

F. Wabwoba

Date: 30 January, 2018

Page 1 of 17

Team Building Course

- **2004 First Africa Consulting Consortium** Kenya
Performance Management Framework programme
- Professional training**
- **6th – 8th March 2017 by African Population and Health Research Center** Kenya
Grant Proposal Writing
- **25th -29th may 2016 by Commission for Universities Education** Kenya
Quality Assurance
- **18th -22nd May 2016 by Oracle Academy** Kenya
Oracle Java Programming refresher course
- **16th – 18th March 2015** Kenya
ISO 9001:2008 Internal Quality Auditors (Qualified Auditor)
- **2006 Kenya Bureau of Standards** Kenya
ISO 9001:2000 Quality Management Systems Implementer and Auditor
Qualified ISO QMS implementer; Qualified ISO auditor
- **2002 ICL** Kenya
Qualified as a Solaris Administrator in 2002.
Solaris Administrator (UNIX based) I and II
- **1988 National Youth Service** Gilgil: Kenya
Basic Paramilitary Training
- Professional Experience**
- **November 2016 to date Kibabii University** Bungoma: Kenya
Position: Associate Professor and Dean School of Computing and Informatics

Key Responsibilities

Research and Scholarship Responsibilities

- Oversee the development and implementation of academic programmes and regulations in the School of Computing and Informatics; masters, and PhD programmes, post graduate programmes for projects to ensure that they address the research issues of the nation;
- Co-ordinate implementation of appropriate quality assurance in research within the School of Computing and Informatics; and
- Co-ordination of student research and innovation activities within the School of Computing and Informatics (publication IPR, conference, seminars and workshops) to train them as future researchers.

Learning and teaching Responsibilities

- Oversee the implementation of relevant policies in curricula, course delivery, examination and certification for quality scholarship within the School of Computing and Informatics;
- Oversee the curriculum development and revision in the School of Computing and Informatics for quality training and teaching;
- Oversee the implementation of curriculum and academic programmes and regulations for delivery of curriculum for quality research, teaching and training within the School of Computing and Informatics;
- Co-ordinate all academic programmes in the School of Computing and Informatics to ensure order in teaching;
- Over-see, on behalf of University that delivery models that training on pedagogy and andragogy and other delivery models are implemented within the School of Computing and Informatics for efficient content delivery;
- Ensure that modern technology in programme delivery is enhanced within the School of Computing and Informatics for students and for efficient delivery of learning;
- Co-ordinate the management of examinations, postgraduate studies, undergraduate studies within the School of Computing and Informatics for integrity of the examination process;
- Co-ordinate implementation of appropriate quality assurance mechanisms to ensure that University programmes conform to the national and international standards, as well as legally recognized professional bodies within the School of Computing and Informatics;
- Enhance monitoring and evaluation to ensure quality in learning and course delivery within the School of Computing and Informatics

Community Service and Outreach Responsibilities

- Ensure that community service culture is enshrined in the curricula within the School of Computing and Informatics for students to learn to give back to society;
- Co-ordinate students and teaching staff in performing community service for the efficiency in community service delivery within the School of Computing and Informatics.

Sign:



F. Wabwoba Date: 30 January, 2018

Page 2 of 17

Managerial Responsibilities

- a) Develop master plan and strategic plan of the School of Computing and Informatics for a strategic direction in learning and students' affairs.
- b) Prepare work plans in School of Computing and Informatics for proper guidance of the academic activities during the academic calendar;
- c) Allocate work and execute their performance for efficient utilization of human resources in the School of Computing and Informatics;
- d) Prepare procurement plans for equitable distribution of resources in the School of Computing and Informatics;
- e) Prepare reports for feedback to the Deputy Vice Chancellor (Academic and Student Affairs) and other stakeholders for accountability;
- f) Ensure monitoring and evaluation for timely correction and improvement of any possible challenges that may emerge in the School of Computing and Informatics;
- g) Provide academic leadership to members of School of Computing and Informatics to ensure that the department works towards achieving the set goals;
- h) Participate in and chair various university committees for discussing departmental progress;
- i) Develop linkages and collaborations with other institutions, employers and professional bodies for sustainable networking;
- j) Line manager and supervisor of chair of departments, administrative staff and PhD student's supervisor where services are needed for giving strategic direction;
- k) Lead teams and ensure the teams work effectively for successful university engagements;
- l) Prepare budget for the School of Computing and Informatics for sustainable and sound financial practices; and
- m) Source for funds for infrastructural development at the School of Computing and Informatics.

Operational Responsibilities

- a) Receive reports of academic programmes from Chairpersons of Departments for planning and carry out spot checks to ensure smooth learning activities;
- b) Coordinate and receive regular reports on preparation of examinations, processing of results and academic transcripts to ensure timeliness and quality in the examination process in the School of Computing and Informatics;
- c) Supervise and receive reports on post graduate student's proposals research and report writing to ensure quality research within the School of Computing and Informatics;
- d) Ensure administrative demands and deadlines are adhered to by members of School of Computing and Informatics for efficient service delivery and School of Computing and Informatics progress.
- e) Engage in professional development through training for capacity building and improving the University's operations.
- f) Respond to students issues relating to results and teaching in the School of Computing and Informatics to ensure student needs are met
- g) Solve day to day issues as regards teaching, learning and courses/units offered in the School of Computing and Informatics. For uninterrupted learning and teaching in the Institution

Position of Responsibilities held

- Dean, School of Computing and Informatics
- Member of ISO/QMS steering committee
- Chairman of Curriculum Review committee
- Member of the university Senate
- Member of the university Deans committee
- Member of Quality Assurance Committee
- Member of Performance Contracting Committee
- Member of the university disciplinary board

Lecturing

- Doctor of Philosophy (Information Technology) courses
- Master of Science (Information Technology) courses
- Bachelor of Science (Computer Science) courses
- Bachelor of Science (Information Technology) courses
- Bachelor of Education (Computer studies) courses

Supervising graduate students research

- Doctor of Philosophy (Information Technology) Candidates
- Master of Science (Information Technology) Candidates

➤ **November 2013 to November 2016 Kibabii University College**
Position: Senior lecturer and Ag. Dean School of Computing and Informatics

Bungoma: Kenya

Sign:



F. Wabwoba

Date: 30 January, 2018

Page 3 of 17

Responsibilities held

- Chairman of text books procurement committee
- Member of charter award preparation committee
- Member of the university college Academic Board
- Member of the university college Deans committee
- Member of Quality Assurance Committee
- Member of Performance Contracting Committee
- Member of the university college disciplinary board
- Member of the university college tendering committee
- Chairman of the university college tendering evaluation committee
- Member of the PSSP Board

Lecturing

- Doctor of Philosophy (Information Technology) courses
- Master of Science (Information Technology) courses
- Bachelor of Science (Computer Science) courses
- Bachelor of Science (Information Technology) courses
- Bachelor of Education (Computer studies) courses

Supervising graduate students research

- Doctor of Philosophy (Information Technology) Candidates
- Master of Science (Information Technology) Candidates

➤ **July 2013 to November 2013 Kibabii University College**

Bungoma: Kenya

Position: Senior Lecturer

Responsibilities held

- Chairman of Department: Computing and Informatics
- Chairman of text books procurement committee
- Member of charter award preparation committee
- Member of the university college Academic Board
- Member of the university college Deans committee
- Member of quality assurance committee
- Chairman of Performance Contracting Committee
- Member of the university college disciplinary board
- Member of the university college tendering committee
- Member of the PSSP Board
- Hall Warden
- The university college timetable Coordinator

Lecturer: Lecturing

- Master of Science (Information Technology) courses
- Bachelor of Science (Computer Science) courses
- Bachelor of Science (Information Technology) courses
- Bachelor of Education (Computer studies) courses

➤ **March 2012 to July 2013 Kibabii University College**

Bungoma: Kenya

Position: Lecturer

Responsibilities held

- Chairman of Department: Computing and Informatics
- Chairman of text books procurement committee
- Member of charter award preparation committee
- Member of the university college Academic Board
- Member of the university college Deans committee
- Member of the university college quality assurance committee
- Member of the university college disciplinary board
- Member of the university college tendering committee
- Member of the PSSP Board
- Hall Warden
- The university college timetable Coordinator

Lecturing

- Bachelor of Science (Computer Science) courses
- Bachelor of Science (Information Technology) courses
- Bachelor of Education (Computer studies) courses

➤ **Jan, 2010-Mar. 2012 Masinde Muliro University of Science & Technology**

Kakamega: Kenya

Sign:



F. Wabwoba

Date: 30 January, 2018

Page 4 of 17

Position: Lecturer

Lecturing

- Bachelor of Science (Computer Science) courses
- Bachelor of Science (Information Technology) courses
- Masters of Science (Information Technology) courses
- Management Information Systems to MBA and M.ED students

Responsibilities held

- Departmental Postgraduate Board representative to the faculty graduate Board
- Departmental postgraduate courses coordinator
- Examinations coordinator
- Drama troupe Director
- Member of e-waste curriculum development committee

➤ **2007 to 2009 Masinde Muliro University of Science & Technology**

Kakamega: Kenya

Position: Assistant Lecturer

Lecturing

- Bachelor of Science (Computer Science) courses
- Bachelor of Science (Information Technology) courses

➤ **2007 to 2010 Kenya Education Staff Institute (KESI)**

Kenya

➤ **Consult / Trainer with (KESI) in ICT i.e. Education Management Information Systems (EMIS)**

➤ **2000 to 2007 Mumias Sugar Company**

Mumias: Kenya

ICT training Manager.

- An internal ISO Quality Management Systems (QMS) Auditor and Implementer, Auditing the Mumias Sugar Company Systems that saw the company maintain ISO certification.
- Played a leading role in the implementation of ISO QMS that saw the company get ISO certification
- Played a leading role in the steering team of the mySAP ERP and Agriculture Management System computerization project that was successfully launched at Mumias Sugar Company Ltd in 2006.
- Successfully trained and supported users of the Human Resources Computerized System (PerPay:- that is Oracle based) at Mumias Sugar Company
- Managed successfully the Medical systems Help Desk of Mumias Sugar Company whenever called upon
- Successfully trained learners in computer studies recording very high passes: Average mean grade "A-"

➤ **1993 to 2008 Kenya National Examinations Council**

Nairobi: Kenya

Computer studies examiner.

- Examiner KCSE project paper computer studies
- Examiner Diploma Computer studies course in a number of papers

➤ **1998-2000 Friends school, Kamusinga**

Kimilili: Kenya

Director of studies.

- Designed the schools' academic programs that saw the school record very good performance that has seen it feature among the top schools in the republic.
- Taught computer studies and had students excel in national examinations recording very high mean grade "B+"
- Developed and Administered a computerized examination processing system that improved the efficiency of manpower utilization and learners feedback
- Researched and presented a paper in a national conference at Kenyatta University: "Educational managers responsibility to get parents and the community involved in school activities"

➤ **1992-1997 Eldoret Polytechnic**

Eldoret: Kenya

Assistant Registrar.

- Participated in the development of the Diploma computer studies syllabus.
- Successfully managed both administrative and academic programs of the national polytechnic with the institution experiencing no strike at all.
- Lectured Higher Diploma and Diploma trainees computer studies and Engineering mathematics recording a very high pass rate
- Wrote Distance Learning Booklets for Business Statistics paper for Kenya Accounting Technicians Course

Sign:



F. Wabwoba

Date: 30 January, 2018

Page 5 of 17

**university
peer reviewer**

- (i) 2014 – to date: Commission for Universities Education
Responsibility
Institution and Academic programmes review
- (ii) 2014 – to date: Inter Universities Council of East Africa
Responsibility
 - Secretary of the Information Technology Forum at the Inter Universities Council of East Africa computing harmonization programme (Computer Science, Information Technology)

**University
external
examiner**

- (i) 2017 to date
Tom Mboya University College
- (ii) 2016 to date
The Technical University of Kenya
- (iii) 2015 to date
The University of Nairobi
- (iv) 2014 to Date
Jaramogi Oginga Odinga University of Science and Technology

**University
level book
publications**

- While on Senior Lecturer scale**
- (i) Batoya I., **Wabwoba F.** and Kilwake J. (2015). *Social Technical Integration Framework on ICT Readiness in Education: Primary Schools in Bungoma County, Kenya*. Lambert Academic Publishing (ISBN 978-3-659-66382-6)
 - (ii) Mbuguah S. & **Wabwoba F.** (2015). *Computers Basics and Applications at your finger tips: Computer Basics*. Lambert Academic Publishing (ISBN 978-3-659-68624-5)
 - (iii) Mbuguah S. & **Wabwoba F.** (2014). *Attackability Metrics Model for Secure Service Oriented Architecture*. Lambert Academic Publishing (ISBN 978-3-659-66885-2)
 - (iv) **Wabwoba F.** & Mbugua S. (2014). *Green ICT implementation in developing Nations: Personnel Perspective*. Scholars' Press: OmniScriptum GmbH & Co. Kg (ISBN: 978-3-639-66773-8)

While on lecturer scale

- (v) Wabwoba N. S. C. & **Wabwoba F.** (2013). *Implications of free primary education on learning resources*. Lambert Academic Publishing (ISBN: 978-3-8484-4295-9)

**Book
Chapters**

Chapters while at Senior Lecturer grade

- Malanga K. N., Mehat J., Ganchev I. & **Wabwoba F.** (2016). Predicting Faults in Open Source Software: Trends and Challenges. In Crowston, K., Hammouda, I., Lindman, J., Lundell, B., and Robles, G. (Eds.) *Proceedings of the Doctoral Consortium at the 12th International Conference on Open Source Systems, Skövde University Studies in Informatics 2016:1*, pp.55 - 73 ISSN1653-2325, ISBN: 978-91-978513-9-8, University of Skövde, Skövde, Sweden.

**Publications
in peer
reviewed and
referred
International
Journals**

Publication while at Associate Professor grade

- (i) Mayeku B., **Wabwoba F.** and Hogrefe D. (2017). Influence of Social Personalization on Performance in Group Learning. *AFRICON, 2017 IEEE. Date of Conference 18-20 Sept. 2017 at Cape Town, South Africa*. E-ISSN: 2153-0033 DOI: [10.1109/AFRICON.2017.8095573](https://doi.org/10.1109/AFRICON.2017.8095573) INSPEC Accession Number: 17337960
- (ii) Otanga D, **Wabwoba F.** & Samita L W (2017) The user's skills, capacity on security for mobile computing in universities. *International Journal of Computer Technology & Applications* 8(5):622-633 ISSN:2229-6093 <http://www.ijcta.com/documents/volumes/vol8issue5/ijcta2017080506.pdf>
- (iii) Wechuli N. A., **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. <http://www.ijceit.org/published/volume9/issue10/1Vol9No10.pdf>
- (iv) Nambiro A. W., **Wabwoba F.** and Wasike J. (2017). Cyber Security to Mobile Banking in SACCOs in Kenya. *International Journal of Computer (IJC)*. 27(1): 133-140. ISSN 2307-4523 <http://ijcjournal.org/index.php/InternationalJournalOfComputer/article/view/1086/469>
- (v) Motochi V., Barasa S., Owoche P. and **Wabwoba F.** (2017). The role of virtualisation towards green computing and environmental sustainability. *International Journal of Advanced Research in Computer Engineering and Technology (IJARCET)* 6(6):851-858. ISSN 2278-1323 <http://www.ijarcet.org/IJARCET-VOL-6-851-858.pdf>
- (vi) Ndukuyu C. A., Wabwoba F. and Ikoha A (2017). Pervasive computing in sugar industry. *International*

Sign:



F. Wabwoba

Date: 30 January, 2018

Page 6 of 17

- Journal of Novel research in Electronics and Communication*. 3 (2):1-13. www.noveltyjournals.com
- (vii) Barasa S., Barasa P., Motochi V. and **Wabwoba F.** (2016). Trends in Green Computing Paradigms towards Environment, Eco Friendly Technology and Future Sustainable Kenya. *Interdisciplinary Journal of Computer Engineering Research and Technology*. 6(6):851-858 ISSN: 2278-1323 www.ijcert.org

Publication while at Senior Lecturer grade

- (viii) Otanga D. & **Wabwoba F.** (September 2016) Approaches in Information System Security in Universities in Mobile Computing Environment. *International Journal of Research in Information Technology* 4(9):19-30 ISSN 2001-5569 <http://www.ijrit.com/archives/volume-3-issue-9-1>
- (ix) Otanga D. & **Wabwoba F.** (September 2016). Emerging Security Challenges for Information Systems in Mobile Computing Environment in Universities. *International Journal of Research in Information Technology* 4(9):31-41 ISSN 2001-5569 <http://www.ijrit.com/archives/volume-3-issue-9-1>
- (x) Tsinale L. H., **Wabwoba F.** Ikoha A. P. Otibine O.T. (2016). Performance expectancy as a determinant for cloud computing acceptance in Kenyan Public Universities. *International Journal of Applied Research* 2(8):353-363 ISSN Number: 2394-7500 (print), ISSN Number: 2394-5869 (electronic) <http://www.allresearchjournal.com/archives/?year=2016&vol=2&issue=8&part=F>
- (xi) Muchiri N. M., **Wabwoba F.** and Micheni M. E. (2016). ICT definition implication on ICT career choice and exclusion among women. *International Journal of Information Technology and Computer Science (IJITCS)* 8(5): 62-71 ISSN 2074-9007 (Print), ISSN: 2074-9015 (Online) <http://www.mecspress.org/ijitcs/v8n5> DOI:10.5815/ijitcs.2016.05.07
- (xii) Njoki M. M. and **Wabwoba F.** (2015). The role of ICT in social inclusion: A review of literature. *International Journal of Science and Research (IJSR)* 4 (12):380-387 ISSN (Online): 2319-7064 <http://www.ijsr.net/archive/v4i12/NOV151897.pdf>
- (xiii) Malanga K. N., Mehat J., Ivaylo G. and **Wabwoba F.** (2015). Assessing Quality of Open Source Software Based on Community Metrics. *International Journal of Software Engineering and Its Applications (IJSEIA)* 9(12): 337- 348. ISSN: 1738-9984 http://www.sersc.org/journals/IJSEIA/vol9_no12_2015/30.pdf
- (xiv) Njoki M. M., **Wabwoba F.** and Micheni M. E. (2015). Security and usability enhancing e-service marginalization for digital vulnerable groups. *International Journal of Science and Technology* 4(12):552-564 ISBN: 2049-7318 http://www.journalofsciences-technology.org/archive/2015/december_vol_4_no_12/698774144516728.pdf
- (xv) Batoya B. I., **Wabwoba F.**, Kilwake J. (2015). Influence of Social Technical Factors on ICT Readiness for Primary Schools in Bungoma County, Kenya. *Unified Journal of Computer Science Research* 1(1) 001- 007 ISBN: 1432-1141
- (xvi) Ronoh L. C., Muchiri G. M. & **Wabwoba F.** (2015). Factors Affecting Requirements Elicitation for Heterogeneous Users of Information Systems. *International Journal of Computer Science Engineering and Technology (IJCSET)* 5(3):35-39 ISSN 2231-0711
- (xvii) **Wabwoba F.**, Sakwa T, Mbugua S, Kilwake H. J. (2014). Environmental implications of cell phones penetration and disposal in Kenya. *International Journal of Computers & Technology*. 13(7):4647-4652 ISSN 2277-3061. http://cirworld.com/journals/index.php/ijct/article/view/2330N/pdf_478 Impact factor 1.532
- (xviii) Mbuguah S. M., Muketha G. M., **Wabwoba F.** (2014). A Review of Algorithms for Determination of Attackability Metrics. *Journal of Emerging Trends in Computing and Information Sciences* 5(4):292-296 ISSN 2079-8407. www.cisjournal.org/journalofcomputing/archive/vol5no4/vol5no4_5.pdf
- (xix) **Wabwoba F.**; Mbugua S; Ikoha P. A.& Shisoka A. D. (2014) ICT personnel maturity towards green ICT in Kenya. *International Journal of Computers & Technology*. 13(3):4319-4328 ISSN 2277-3061. http://cirworld.org/journals/index.php/ijct/article/view/4217N/pdf_436 Impact factor 1.532
- (xx) Malenje J. O., Otanga D. and **Wabwoba F.** (2014). Effective Business Process Automation through Process Reengineering: Case of Public a University in Kenya. *International Journal of Information and Communication Technology Research* 4(6):247-254. http://www.esjournals.org/journaloftechnology/archive/vol4no6/vol4no6_7.pdf
- (xxi) Odawa J., **Wabwoba, F.** & Otuya, W. (2013). Strategic deployment and employment of ICT resources in public institutions. *International Journal of Current Research*. 5(09):.2419-2426 ISSN: 0975-833X <http://www.journalcra.com> Impact Factor 1.125 (2012) *Index Copernicus International IC Value* 6.29

Sign:



F. Wabwoba Date: 30 January, 2018

Page 7 of 17

- (xxii) Shisoka D. A., Ikoha A. P., & **Wabwoba F.** (2013). Electronic Plagiarism in Institutions of Higher Learning. *International Journal for Management Science and Technology (IJMST)*. **1(5): 1-5** Paper- 5 ISSN: 2321-0362 (Print) ISSN: 2320-8848 (Online) <http://ijmst.com>

Publication while on Lecturer grade

- (xxiii) **Wabwoba F.**, Mutua S. M., & Omieno K. (2013). A review of the Role of Information and Communication Technology in meeting development millennium development goals and Kenya's the Vision 2030. *Eastern African Journal of Engineering, Science and Technology*. 1(2): 127-133. ISSN 2219-8598
- (xxiv) **Wabwoba F.**, Kilwake J., Ikoha A. & Abila J. (2013). The contest of Information Technology and Computer Science in ICT driven economy: Are they the same? *Eastern African Journal of Engineering, Science and Technology*. 1(2): 134-140. ISSN 2219-8598
- (xxv) **Wabwoba F.**, Wanyembi G., Omuterema S. & Mutua K. (2013). Pervasiveness of green ICT awareness amongst Kenyan ICT personnel. *International Journal of Application or Innovation in Engineering & Management (IJAEM)*. 2(1): 93-104. ISSN 2319 – 4847
<http://www.ijaiem.org/volume2Issue1/IJAEM-2013-01-15-021.pdf> Impact Factor 2.379 ISRA:JIF (2012)
- (xxvi) **Wabwoba F.**, Wanyembi G., Omuterema S. & Omeino K. K. (2013). Green ICT readiness model for developing economies: case of Kenya. *International Journal of Advanced Computer Science and Applications (IJACSA)* 4(1): 51-65. ISSN 2156-5570 (online) 2158-107X (print)
http://thesai.org/Downloads/Volume4No1/Paper_8-Green ICT Readiness Model for Developing Economies Case of Kenya.pdf
- (xxvii) Omieno K. K., **Wabwoba F.**, & Matoke N. (2013). Virtual reality in education: Trends and Issues. *International journal of computers & Technology (IJCT)*. 4 (1): 38-43. ISSN 2277-3061
<http://cirworld.com/index.php/IJCT/artical/view/777>
- (xxviii) Mutua S., Abenga E., Ogao P., **Wabwoba F.** & Ikoha A. (2012). Choosing Tools of Pedagogy (Case of Program Visualization). *International Journal of Application or Innovation in Engineering & Management (IJAEM)*. 1 (4): 35 – 40. ISSN 2319 –4847.
<http://www.ijaiem.org/volume1Issue4/IJAEM-2012-09-25-059.pdf>
- (xxix) **Wabwoba F.**, Wanyembi G. W. & Omuterema S. (2012). Barriers to implementation of green ICT in Kenya. *International Journal of Science and Technology*. 2 (12):823-836. ISSN 2224-3577
http://ejournalofsciences.org/archive/vol2no12/vol2no12_3.pdf
- (xxx) Ujunju M., Wanyembi G., & **Wabwoba F.** (2012). Evaluating the Role of Information and Communication Technology (ICT) Support towards Processes of Management in Institutions of Higher Learning. *International Journal of Advanced Computer Science and Applications (IJACSA)* 3(7): 55-58. ISSN 2156-5570 (online) 2158-107X (print)
http://www.ijacsa.thesai.org/IJACSA_Volume3No7.pdf
- (xxxi) Abila J., Mutua S., **Wabwoba F.** and Anselmo P. (2012). Information Security Policy Trend as a Foundation to Protecting Information Resources *International Journal of Computer Science and telecommunications* 3(4):58-62. ISSN 2047-3338 Impact Factor: 1.324 (2012)
http://www.ijcst.org/Volume3/Issue4/p11_3_4.pdf
- (xxxii) Mutua S., **Wabwoba F.**, Ogao P., Anselimo P., & Abenga E. (2012). Classifying Program Visualization Tools to Facilitate Informed Choices: Teaching and Learning Computer Programming. *International Journal of Computer Science and Telecommunications (IJCST)* 3(2):42-48 ISSN 2047-3338 http://www.ijcst.org/Volume3/Issue2/p1_3_1.pdf Impact Factor: 1.324 (2012)
- (xxxiii) Mutua S., **Wabwoba F.**, Abenga E., Kilwake J., Ogao P. (2011). Teaching Computer Programming in the 21st Century. *International Journal of Science and Technology*. 1(6):247-252. ISSN 2224-3577 http://ejournalofsciences.org/archive/vol1no6/vol1no6_10.pdf
- (xxxiv) Mutua, S. M., **Wabwoba, F.**, Ogao, P. J, Abenga, E., & Kilwake J. (2011). Using Program Visualization to Improve ICT skills towards achieving Vision 2030: Kenya. *International Journal of Information and Communication Technology Research*. 1(8):356-359 ISSN 2223-4985
http://esjournals.org/journaloftechnology/archive/vol1no8/vol1no8_5.pdf
- (xxxv) **Wabwoba F.** & Mwakondo F. M. (2011). Students' selection for university course admission at joint admissions board (Kenya) using trained neural networks. *Journal of Information Technology*

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- (xxxvi) **Wabwoba F.**, Omieno K. K., Simiyu C.N., Sisungu Z. W. (2011).The role of wireless technologies in taking education to rural villages in developing countries. *International Journal of Information and Communication Technology Research*. 1(7): 300-305 ISSN 2223-4985
http://esjournals.org/journaloftechnology/archive/vol1no7/vol1no7_2.pdf
- (xxxvii) **Wabwoba F. & Ikoha A. P.** (2011). Information Technology research in developing nations: Major research methods and publication outlets. *International Journal of Information and Communication Technology Research*. 1 (6): 253-257. ISSN 2223-4985
http://esjournals.org/journaloftechnology/archive/vol1no6/vol1no6_2.pdf
- (xxxviii) Omieno K. K., Kilwake H. J. & **Wabwoba F.** (2011). Promoting Quality Outcomes in Higher Education Using New Learning Technologies. *Journal of Education and Social Sciences* 1(1): 47-55. ISSN 2223-490X

Postgraduate teaching manuals

- (i) **Wabwoba F. (2009)**. An introduction to Computer based Educational Management Information Systems. Masinde Muliro University of Science and Technology: Department of Computer Science Department.
- (ii) **Wabwoba F. (2009)**. An introduction to Information Communication Technologies in Education. Masinde Muliro University of Science and Technology: Department of Computer Science Department.

Academic award publications

- (i) **Wabwoba F.** (2013). A model for enhancing green ICT through alignment of personnel capacity and workplace readiness in Kenya. *Masinde Muliro University of Science and Technology* (Doctorate Thesis)
- (ii) **Wabwoba F.** (2006). A teacher distribution management information system based on an assessment of computing levels of education managers. *Kenyatta University* (Masters Thesis)
- (iii) **Wabwoba F.** (1997). The provision of educational law in the teacher training programmes in Kenya. *University of South Africa* (Endorsement Thesis)
- (iv) **Wabwoba F.** (1990). Developing effective instructional materials for teaching of area and trigonometry. *Egerton University* (Undergraduate project report)

Papers presented seminars, workshops and conferences /Published in conference proceedings

- Conference papers while at Associate Professor level**
- (i). Mayeku B., Hogrefe D. & **Wabwoba F.** (2017) *Influence of Social personalization on performance in group learning. At the IEEE Africa Conference (AFRICON) held at South Africa on 17th - 20th September 2017.*
- Conference papers while at Senior Lecturer grade**
- (ii). Richard K. R., Mbugua S. & **Wabwoba F.** (2016) *Innovative Phone Features Driving Mobile Phone Usage by Students. At the first International Conference on “Transformative Leadership for Societal Empowerment in the 21st Century” held at Kibabii University on 22nd - 24th June 2016.*
- (iii). **Wabwoba F.**, Wanyembi G., & Omuterema S. (2013). ICT personnel maturity towards green ICT in Kenya. **The third Workshop on emerging ICT technologies held at Masinde Muliro University of science and technology in October 2013 within the faculty of science graduate studies.**
- Conference papers while at Lecturer grade**
- (iv). **Wabwoba F.**, Wanyembi G., & Omuterema S. (2013). Green ICT readiness model for developing economies: case of Kenya. **The second Workshop on emerging ICT technologies held at Masinde Muliro University of science and technology in March 2013 within the faculty of science graduate studies.**
- (v). **Wabwoba F.**, Wanyembi G., & Omuterema S. (2012). Pervasiveness of green ICT awareness amongst Kenyan ICT personnel. **The first Workshop on emerging ICT technologies held at Masinde Muliro University of science and technology in November 2012 within the faculty of science graduate studies.**
- (vi). **Wabwoba F.**, Wanyembi G. W. & Omuterema S. (2012). Barriers to implementation of green ICT in Kenya. **Technical University of Kenya Computing departmental seminar on the 23rd September 2012**
- (vii). Mutua S., **Wabwoba F.**, & Kilwake J. (2011). Using Mobile Learning to increase Universities’ Student Enrolment. **Strathmore 1st ICT conference held at Strathmore University on the 2nd and 3rd**

Sign:



F. Wabwoba **Date: 30 January, 2018**

Page 9 of 17

September, 2011

- (viii). Musambayi E. A., **Wabwoba F.**, & Sisungu Z. W. M, (2010). Contribution of ICT to effective teaching and learning in Kenyan secondary schools. **Presented at Kabarak University in the Resources for educational development in Kenya conference held between 26th and 28th August, 2010**
- (ix). **Wabwoba F.**, Omieno K. (2010). The role of wireless technologies in taking education to rural villages in developing countries. **Strathmore 11th ICT conference held at Strathmore University on the 3rd and 4th September, 2010**
- (x). **Wabwoba F.**, Sisungu Z. W. M (2010). Information and Communication Technologies opportunities and challenges to teaching profession in Kenya. **Workshop on Educational planning for the 21st knowledge world held at Masinde Muliro University of science and technology in April 2010. Papers while at Assistant Lecturer grade**
- (xi). **Wabwoba F.** (1999). "Educational managers' responsibility to get parents and the community involved in school activities" **Presented at a national conference held at Kenyatta University.**

Journal Peer reviewing

- (i). Member of the International review Board: The African Journal of Information Systems
- (ii). Member of the International review Board: Informing Science Institute

Workshops attended

- workshops while at Senior Lecturer grade**
- (i). Pre-CBA negotiation skills by the Federation of Kenya Employers at Kibabii University on 13th May, 2016 at Kibabii University
- (ii). Quality Assurance Workshop for Universities by Commission for Universities Education held at Nakuru between 25th -29th may 2016.
- (iii). Oracle Java Programming refresher course held at Kibabii University between 18th -22nd May 2016 by Oracle Academy.
- (iv). 15th – 20th November 2015. Kenya National Drama Festival: National trainers workshop **by the Ministry of Education, Science and Technology** held at Tom Mboya Labour College, Kisumu
- (v). Corruption prevention training workshop by the **Ethics and Anti-Corruption Commission (EACC)** between 21st and 22nd 2015 at Kibabii University College.
- (vi). 27th – 31st January 2015. National directors Training of trainers workshop **by the Ministry of Education, Science and Technology** held at Baringo Government school
- (vii). 1st – 3rd December 2014. **The second stakeholders forum on benchmarking of computer science and Information Technology** at Dar Es Salaam Tanzania sponsored by **the Inter-University Council fro East Africa**
- (viii). 21st – 23rd July 2014. **The first stakeholders forum on benchmarking of computer science and Information Technology** at Kigali, Rwanda, sponsored by **the Inter-University Council fro East Africa**
- (ix). May 2014. Corporate Governance workshop **by Centre of Corporate Governance** held at Kibabii University College
- (x). May 2014. Peer review of Universities workshop **by Commission for University Education** held at Kenya Institute of Curriculum Development
- (xi). March 2014. Enhancing management culture, integration and internalization workshop **by Kibabii University** held at Kibabii University College.
- (xii). February 2014. Western province producers and adjudicators workshop held at Busia
- (xiii). January 2014. National directors Training of trainers workshop **by the Ministry of Education** held at Embu Government school
- (xiv). 28th -29th October, 2013. Stakeholders' workshop on regulations, Standards and Guidelines for Universities Education **by Commission for University Education** held at Kenya School of Monetary Studies: Nairobi
- Workshops while at Lecturer grade**
- (xv). 2013. Risk Management workshop held at Kabula Pastoral centre in June 2013
- (xvi). 2013. The second Workshop on emerging ICT technologies held at Masinde Muliro University of science and technology in March 2013.
- (xvii). 2013. Nzoia region adjudicators workshop
- (xviii). 2013. Nzoia region directors workshop
- (xix). 2012. Information Technology first seminar held at Masinde Muliro university of science and Technology
- (xx). 2012. Information for quality service and customers satisfaction at Kibabii University College
- (xxi). 2012. Western province adjudicators workshop
- (xxii). 2012. Western province directors workshop
- (xxiii). 2011. National directors workshop held in Kisumu
- (xxiv). 2011. Western province adjudicators workshop
- (xxv). 2011. Western province directors workshop

Sign:



F. Wabwoba Date: 30 January, 2018

Page 10 of 17

- (xxvi). 2010. National directors workshop held at Kasarani: Nairobi
- (xxvii). 2010. Western province adjudicators workshop
- (xxviii). 2010. Western province directors workshop
- (xxix). 2010. Fundamentals of web applications at Masinde Muliro University of Science and Technology
- (xxx). 2010. Research4Life and TEEAL organised by FAO and WHO
- (xxxix). 2010. Education for sustainable development: Innovations, Opportunities and challenges in the 21st century

Workshops while at Assistant Lecturer grade

- (xxxii). 2009. The training workshop on design of educational programmes using Radio for teaching and learning
- (xxxiii). 2009. Western province adjudicators workshop
- (xxxiv). 2009. Western province directors workshop
- (xxxv). 2008. Western province adjudicators workshop
- (xxxvi). 2008. Western province directors workshop
- (xxxvii). 2007. Western province adjudicators workshop
- (xxxviii). 2007. Western province directors workshop

Workshops before Assistant Lecturer grade

- (xxxix). 2006. Western province adjudicators workshop
- (xl). 2006. Western province directors workshop
- (xli). 2004. National directors workshop held in Mombasa
- (xlii). 2004. Western province adjudicators workshop
- (xliii). 2004. Western province directors workshop
- (xliv). 1999. Student leadership, Delinquency, guidance, counseling and pastoral care in schools. Held at Kenyatta university

**Completed
Supervised
Postgraduate
work**

Doctor of Philosophy (Information Technology Thesis)

- (i) Wechuli N. A. (2017) *Modeling security usability on digital inclusion in E-service provision* (**Kibabii University (Kenya)**)
- (ii) Malanga K. N. (2017) *Extent of Open Source Software adoption in Kenya and its impact on Information and Communication Technology (ICT) in the public sector* (**University of Paris 8 (France)**)
- (iii) Otanga D. W. (2016) *Emerging security trends on secure mobile computing in a fully automated University environment* (**Kibabii University (Kenya)**)

Completed Masters of Science (Information Technology Thesis)

- (i). Ndukuyu M. (2016) *Adoption of Mobile Computing for ubiquitous data management in Sugar companies in Kenya* (**Kibabii University**)
- (ii). Tsinale L. H. (2016). *Performance expectancy and cloud risks as determinants for cloud computing acceptance in public universities in Kenya* (**at Kibabii University**)
- (iii). Batoya I. (2015) *Social-technical integration framework on ICT readiness for primary schools* (**at Kibabii University College**)
- (iv). Rono L. (2015). *A requirements elicitation model for diverse user groups of University software.* (**at Masinde Muliro University of Science and Technology**)
- (v). Odawa J. (2013). *The contribution of process re-engineering to business automation in Kenyan public universities* (**at Masinde Muliro University of Science and Technology**)
- (vi). Ujunju M. U. (2012). *Evaluating the role of Information and Communication Technology (ICT) support towards processes of management in Institutions of higher learning* (**at Masinde Muliro University of Science and Technology**)
- (vii). Cheruiyot B. (2012). *Intelligent application of fuzzy logic in credit appraisal in Banks* (**at Masinde Muliro University of Science and Technology**)

**Submitted
awaiting
defense**

Doctor of Philosophy (Information Technology Thesis)

Masters of Science (Information Technology Thesis)

(i)

Doctor of Philosophy (Information Technology Thesis)

2016

- (i) Etene Yonah. *Emerging security trends on secure mobile computing evaluation in fully automated environment* (**Kibabii University (Kenya)**)

**Ongoing
Supervision
Postgraduate
work**

Sign:



F. Wabwoba Date: 30 January, 2018

Page 11 of 17

- (ii) Shisoka M. A. *Modeling innovative features on mobile phone usage patterns amongst university students in Kenya* (Kibabii University (Kenya))

2014

- (iii) Njoki M. *Modeling security usability on digital inclusion in E-service provision* (Kibabii University (Kenya))
(iv) Rono K. R. *Modeling innovative features on mobile phone usage patterns amongst university students in Kenya* (Kibabii University (Kenya))

Masters of Science (Information Technology Thesis)

2016

- (i) **Wafula J.** *Users and Managerial practices framework for cloud computing adoption in service delivery by Kenyan Universities* (Kibabii University)
(ii) **Simiyu W. P.** *E-waste management system for environmental sustainability in Kenya* (Kibabii University)

Doctor of Philosophy Thesis

2017

- (i). Rotich E. K. (2017). *Biometric properties and Network Technologies as Determinants for a secure e-voting Architecture* (Kibabii University) (As Internal Examiner)
(ii). Ratemo M. C. (2017). *Modeling the success of cross-platform Mobile Instant Messaging Systems in Kenya* (Kibabii University) (As Internal Examiner)
(iii). Kiget N. K. (2017). *Grid Computing Adoptability Model for Collaborative Research in Universities* (Kibabii University) (As Internal Examiner)
(iv). Abila J. O. (2017). *Smart Metrics Design for Indexing ICT Integration Improvement in Kenyan Universities* (Kibabii University) (As Internal Examiner)

2016

- (v). Okadapau O. M (2016). *Analysis of State of Electronic Commerce Adoption by SMEs in Kenya and Factors Influencing Adoption* (The University of Nairobi) (As external Examiner)

2015

- (vi). Sirma J. (2015). *Impact of Information security policies on security breach incidences in Kenyan savings and cooperative societies* (Jaramogi Oginga Odinga University of Science and Technology) (As external Examiner)
(vii). Obegi M. F. (2015). *Critical success factors for corporate implementing server virtualization technology by Companies listed on the Nairobi securities exchange.* (Jaramogi Oginga Odinga University of Science and Technology) (As external Examiner)
(viii). Omieno K. K. (2015). *A usability maturity model on internal quality of virtual learning systems: A case of Kenyatta University.* (Jaramogi Oginga Odinga University of Science and Technology) (As external Examiner)

2014

- (ix). Ikoha P. A. (2014). *Technical factors and user personality characterized as indicators of smart phone integration into self-directed learning in universities.* (Masinde Muliro University of Science and Technology) (As internal Examiner)
(x). Karume M. S (2014). *Sustainability assessment model to manage electronic waste threat from low cost computers for learning in developing countries.* (Masinde Muliro University of Science and Technology) (As internal Examiner)
(xi). Micheni E. M. (2014). *Modeling and evaluation of platform-level interoperability for mobile money transfer systems.* (Masinde Muliro University of Science and Technology) (As internal Examiner)

Masters of Science Thesis

2017

- (i) Asenahabi B. M. (2017). *Cost-effectiveness of using thin-client technology on service delivery in schools' computer laboratories in Kenya* (Kibabii University) (As Internal Examiner)
(ii) Kapukha R. N. (2017). *Investigation of determinants of ICT electronic waste management in Public Universities in Kenya* (Kibabii University) (As Internal Examiner)
(iii) Wamalwa P. (2017). *Factors influencing teacher perception towards implementation of SMASSE in Bungoma County* (Kibabii University) (As Internal Examiner)
(iv) Motende F. M. (2017). *SMS based health appointment management application for clientele follow-up: A case*

Sign:



F. Wabwoba Date: 30 January, 2018

Page 12 of 17

of Nuvaring project, KEMRI/CGHR. (Jaramogi Oginga Odinga University of Science and Technology) (As external Examiner)

- (v) Otieno M. O. D. (2017). *The effect of security controls on effective information security with policy as moderator; A case of secondary schools in Kisumu County.* (Jaramogi Oginga Odinga University of Science and Technology) (As external Examiner)
- (vi) Omwenga M. M.. (2017). *Knowledge Management Model: A case of Kisii County Secondary Schools.* (Jaramogi Oginga Odinga University of Science and Technology) (As external Examiner)
- (vii) Muchesia P. (2017). *An evaluation of ICT implementation in secondary schools in line with vision 2030 Kenya. Case study: Kakamega County.* (Jaramogi Oginga Odinga University of Science and Technology) (As external Examiner)

2016

- (viii) Savatia E. (2016). *Human Computer Interaction framework for visually challenged students in Kenyan public universities.* (Kibabii University) (As internal Examiner)
- (ix) Muyobo D. K. (2016). *Designer's Ontologies and Application Usability Evaluation Framework for Unified Virtual Market Platform.* (Kibabii University) (As internal Examiner)
- (x) Wamalwa P. (2016). *Factors influencing teacher perception towards implementation of SMASSE in Bungoma County.* (Kibabii University) (As internal Examiner)

2015

- (xi) Wanjala K. C. (2015). *A framework for information security for Bluetooth enabled phones.* (Masinde Muliro University of Science and Technology) (As internal Examiner)
- (xii) Gathogo B. G. (2015). *Impact of Integration of ICT in Secondary Schools in Githunguri District, Kiambu County.* (Mount Kenya University) (As external Examiner)
- (xiii) Njeru M. K. (2015). *A model for green Information systems in developing countries: Case of the republic of Kenya* (Mount Kenya University) (As external Examiner)
- (xiv) Shikhovolo T. (2015). *Web-Based Business Applications and Performance of large scale retail outlets in Nairobi, Kenya.* (Masinde Muliro University of Science and Technology) (As internal Examiner)
- (xv) Otieno G. K. (2015). *Information Systems security and implementation of security controls: A survey of small and medium enterprises in the financial sector in Kenya.* (Jaramogi Oginga Odinga University of Science and Technology) (As external Examiner)
- (xvi) Oloo V. A. (2015). *Analysis of cybercrime preventive measures and practices in Public Cybercafés in Kisumu City.* (Jaramogi Oginga Odinga University of Science and Technology) (As external Examiner)
- (xvii) Oguk O. C. (2015). *Effects of on job Information Technology security training on Network security.* (Jaramogi Oginga Odinga University of Science and Technology) (As external Examiner)
- (xviii) Achieng' A. L. (2015). *Cloud- based virtualization as an enabling technology for the transformation of Healthcare in Kenya.* (Jaramogi Oginga Odinga University of Science and Technology) (As external Examiner)
- (xix) Halwenge M. P. (2015). *Formulating a Risk management strategy for Health Information Systems.* (Jaramogi Oginga Odinga University of Science and Technology) (As external Examiner)

2014

- (xx) Musyoka M. M. N. (2014). *Assessment of the level of compliance by the universities to their ICT security policies: A survey of Kisumu County.* (Jaramogi Oginga Odinga University of Science and Technology) (As external Examiner)
- (xxi) Gonza O. O. (2014). *Web based Data collection, transmission and reporting system.* (Jaramogi Oginga Odinga University of Science and Technology) (As external Examiner)
- (xxii) Owiti S. O. (2014). *Development and Implementation of E-leave management system: case study of a banking sector.* (Jaramogi Oginga Odinga University of Science and Technology) (As external Examiner)
- (xxiii) Wangila M. J. (2014). *Evaluating preparedness for social networks integration into learning: a case of Inoorero University.* (Kisii University) (As external Examiner)
- (xxiv) Ogucha J. (2014). *Electronic waste management practices on the performance of small and medium enterprises in Kisii County, Kenya.* (Kisii University) (As external Examiner)
- (xxv) Nyale D. K. (2014). *Use of hybrid data mining in the identification of crime patterns in the Kenyan matatu industry within the Nairobi central business district.* (Kisii University) (As external Examiner)
- (xxvi) Nduku J. (2014). *Challenges of integrating e-learning in secondary schools in Kenya. A case study of Makueni sub-county, Makueni County.* (Kisii University) (As external Examiner)

2012

Sign: 

- (xxvii) Kiget N. (2012). *Evaluating usability of E-learning systems in Kenyan universities: a case of Kenyatta University*. (Masinde Muliro University of Science and Technology) (As internal Examiner)
- (xxviii) Cherioyot C. (2012). *Investigation of critical success factors in enterprise resource planning systems implementation in Kenyan University: A case study of Kenyatta University*. (Masinde Muliro University of Science and Technology) (As internal Examiner)

Funding obtained from donors

Funding attraction

Since becoming Associate Professor

2017

- (i). Kibabii University Information and Communication Technology HUB (KICTH). An Institutions Infrastructure support funding from the National Research Fund (NRF), Kenya.

Since becoming senior lecturer

2016

- (i). PhD (IT) research funding from National Council of Science, Technology and Innovation for a student under my supervision worth Kshs 500,000 [Wechuli Alice Nambilo “*Social Engineering practices and cyber security modeling for secure mobile banking service provision*”]
- (ii). PhD (IT) research funding from National Council of Science, Technology and Innovation for a student under my supervision worth Kshs 400,000 [Yonah Etene “*Computing resources management model for sustainable integration of Information Communication Technology integration in primary schools*”]
- (iii). MSc (IT) research funding from National Council of Science, Technology and Innovation for a student under my supervision worth Kshs 130,000 [Joy Wafula “*Users and Managerial practices framework for cloud computing adoption in service delivery by Kenyan Universities*”]

2015

- (iv). PhD (IT) research funding from National Council of Science, Technology and Innovation for a student under my supervision worth Kshs 500,000 [Muchiri Michael Njoki “*Modelling security usability for digital inclusion in E-service provision*”]
- (v). PhD (IT) research funding from National Council of Science, Technology and Innovation for a student under my supervision worth Kshs 460,000 [Shisoka Durcas Arshley “*A framework for adoption of multimodal biometric security systems in government institutions in Kenya*”]

Since becoming lecturer

2012-2013

- (vi). PhD (IT) research funding for self from the National Council of Science and Technology worth Kshs 900,000 for self

Before being a lecturer

1988-1991

- (vii). Undergraduate studies funding for self from the Government of Kenya

2005 to 2006

Software project involved in

AMS, mySAP ERP computerization project at Mumias sugar company

2000 to 2002

PerPay Human Resources systems (Payroll, medical, training and recruitment, personnel, school, and industrial relations) at Mumias sugar Company.

Applications developed

2010

Examinations analysis and report management system: St. Patrick’s Butende Secondary School

2007

Academic Management Information Systems (AMIS).

2005

Teacher Distribution Management System (TDMS)

National Awards

Achievements in Drama at the national level

2016

Directed at the National Drama festival for school and colleges held at Meru School (Meru County) the winning items listed below:-

- (i). Play titled “The Serpent”.

Sign:



F. Wabwoba Date: 30 January, 2018

Page 14 of 17

- (ii). Narrative titled “Nirea” that won the **best item on Education** award.
- (iii). Modern Dance titled “Talenta- Tammazza” that the won the **best item on youth and talent enhancement** award and won the **adjudicators** award

2015

Directed at the National Drama festival for school and colleges held at Menengai High school and Lions high school (**Nakuru County**) the winning items listed below:-

- (iv). Play titled “Scandals” that was the **best item exploring social evils in society** award.
- (v). Choral Verse titled “Tuko tayari” that won the **best item on National Cohesion** award.
- (vi). Solo verse titled “Buibui” that the **runners up** solo verse
- (vii). Solo verse titled “Given legless”
- (viii). Narrative titled “Abnormalities”.
- (ix). Mime titled “Just for fifty bob” that won **the best anticorruption** award

2014

Directed at the National Drama festival for school and colleges held at Kagumo Teachers Training College and Bishop Ng’andu girls high school (**Nyeri County**) the winning items listed below:-

- (i). Play titled “Venom bed capacity” that was the **best education** item award and **best item exploring social evils in society** award.
- (ii). Choral Verse titled “Vipatakilishi” that won the **best item on use of ICT** award, **second runners up best Kiswahili choral verse** award and **the Adjudicators** award.
- (iii). Solo verse titled “I am the legless” that won **the Adjudicators** award
- (iv). Narrative titled “Omwana 50”.

2013

Directed at the National Drama festival for school and colleges held at Chandaria hall and Aga Khan high school (**Mombasa County**) the winning items listed below:-

- (i). Mime titled “Not my responsibility” that was the **second runners up**.
- (ii). Play titled “Twenty five years ago” that won the **best education** item award.
- (iii). Narrative titled “Amigambo”.

2012

Directed at the National Drama festival for school and colleges held at Kakamega high school and Mukumu girls’ high school (**Kakamega County**) the winning items listed below:-

- (i). Narrative titled “Abiola” that was the **second runners narrative**.
- (ii). Choral verse titled “Pandashuka” that was the **second runners up**.
- (iii). Solo verse “Mchuano” that was the **second runners up**.
- (iv). Play titled “Priority number 12” that won the **best civic education** award.

2011

Directed at the National Drama festival for school and colleges held at Lenana high school and Bomas of Kenya (Nairobi) the winning items listed below:-

- (i). Narrative titled “Khurebana” that was the **winning narrative**.
- (ii). Choral verse titled “Madhila” that was the **second runners up**.
- (iii). Solo verse “Mavasi yanayowapendeza” that was the **second runners up**.
- (iv). Play titled “Venom” that won several awards.

2010

Directed at the National Drama festival for school and colleges held at Kisumu Pentecostal Church the winning items listed below:-

- (i). Narrative Titled “Omwana” that was the **winning narrative**
- (ii). Play titled “Permutations” that was the **winning play**
- (iii). Was the **best / winning director**: Play “Permutations”.

2009

Directed at the National Drama festival for school and colleges held at Meru High school the items listed below:-

- (i). Narrative titled “Kumukasa”
- (ii). Choral verse titled “Mwenyekiti”

Sign: 

(iii). Solo Verse titled “Tongues and Talons” which was awarded the **Best ant-corruption item**

(iv). Play titled “Fighting temptations”

2007

(i). Scripted and directed a narrative “Ekhaniafu”: The chameleon at Booker Academy at the National Drama festival for school and colleges held at Tumu Tumu High school. It was the **best English** narrative and the **best anti-corruption** narrative. The narrative won the **runners up** décor and costume award.

2004

(i). Script and directed a narrative “Mukoyobaka” at Booker Academy that was the **second runners up** at the National Drama festival for schools and colleges held at Lenana High school. The narrative was also awarded the runners up décor and costume award, produced the **second runners up** best narrators. It was the second best anti-corruption item.

Drama adjudication professional experience

(i) **2016** Adjudicator Aberdares Region drama festival (**Secondary**)

(ii) **2015** Adjudicator Vihiga county drama festival (**Primary**)

(iii) **2014** Adjudicator The Lake Region (**Secondary**)

(iv) **2013** Adjudicator Vihiga county drama festival (**Secondary**)

(v) **2012** Adjudicator Vihiga county drama festival (**Secondary**)

(vi) **2011** Adjudicator Kakamega district drama festival (**Secondary**)

(vii) **2010** Adjudicator Lugari district drama festival (**Secondary**)

(viii) **2009** Adjudicator Hamisi district drama festival (**Secondary**)

(ix) **2008** Adjudicator Matete Zonal drama festival (**Secondary**)

(x) **2007** Adjudicator Bungoma Zonal drama festival (**Secondary**)

2011

Green Information and Communication Technology (ICT), ICT application and management

Current research / research interest
ICT

Curriculum development

2014

(i) Harmonization of undergraduate Computer Science Programmes and Undergraduate Information Technology programmes within East Africa. An Undertaking by the **Inter University Council for East Africa** held at Kigali (Dare salaam) on the 1st - 3rd December 2014

(ii) Harmonization of undergraduate Computer Science Programmes and Undergraduate Information Technology programmes within East Africa. An Undertaking by the **Inter University Council for East Africa** held at Kigali (Rwanda) on the 21st - 23rd July 2014

(iii) Review of the Doctor of Philosophy (Information Technology) curriculum of **Masinde Muliro University of Science and Technology**

(iv) Review of the Master of Science (Information Technology) curriculum of **Masinde Muliro University of Science and Technology**

2012

Developed the Postgraduate Diploma in Information, Communication and Technology at **Kibabii University College**

2009

Participated in the review of TEP Diploma computer science syllabus at **Kenya Institute of Education**

2008 - 2009

Master of Science (Information Technology) curriculum development at **Masinde Muliro University of Science and Technology**

Bachelor of Science (Information Technology) curriculum development at **Masinde Muliro University of Science and Technology**

1994

Participated in the TEP Diploma computer science syllabus development, KNEC examined at Mombasa Polytechnic

1995

Participated in the KCSE computer studies syllabus development at KIE

Consultancy

2015

(i) Facilitation at Bungoma County convention whose theme was “Visioning ICT for Bungoma County”

2014

(ii) ICT Bungoma County ICT task force. To formulate a policy framework for the County ICT operations.

Sign:



F. Wabwoba **Date: 30 January, 2018**

Page 16 of 17

2010

- (iii) Odeo I, Abenga E, Nyongesa H, Wakhungu J, Poipoi W, **Wabwoba F**, Karume S, Kilwake J, Koteng G and Gorreta M (2010). Training of Trainers (TOT), Bukura Agricultural College in house Training. Facilitated on Training methods, Simulation briefing, Simulation Exercise, Video Recording, Viewing and Critique. Funded by Bukura Agricultural College (BAC)

ICT Examiner

1998 to 2009

Kenya Accountants and Secretaries National Examinations Board (KASNEB)
Kenya National Examinations Council (KNEC)
Institute of Management Information Systems (IMIS)

Community Service

- October 2016 to date: Member of Board of Management: St. Luke's, Kimilili Boys High School
- Dec 2015 to date: Member of Board of Management: Friends Secondary School, Kuywa
- Dec 2015 to date: Member of Board of Management: Friends Secondary School, Mang'ana
- 2013-2015: Donated ACM communication Magazines to Kibabii University Library
- Aug 2012 to date: Member of Board of Management: Milo Secondary School
- 2005 to date: Elder: CRISCO church

Interests

- Preaching the Gospel, researching, systems development, Drama, Volleyball and management.

Professional membership

- Association of Computing Machines (The highest Computer Science and Information Technology professional body in the world): Professional Membership Number 4240505
- The Association of International Engineers (Software Engineer) (IAENG): Member No: 145980

Sign: 

Prof. F. Wabwoba, PhD (IT) Date: 30 January, 2018

Sign: 

F. Wabwoba Date: 30 January, 2018

Page 17 of 17