

DETAILED CURRICULUM VITAE

Table of Content

Personal Information.....	1
Key Skills possessed	1
Academic and Professional qualifications.....	1
Leadership Training.....	2
Professional training.....	3
Professional career growth.....	4
Professional Administrative Experience	5
National and International University quality Assurance / curriculum engagement.....	6
University responsibilities.....	7
Recent University appointments to discharge duties of higher offices (VC/DVC).....	8
Membership to University Committees	8
Responsibilities at Masinde Muliro University of Science & Technology.....	9
Accomplishments as Acting Deputy Vice Chancellor (Academics and Student Affairs) for three month at Kibabii University	9
Accomplishments as Dean School of Computing and Informatics, Kibabii University	10
Accomplishments as Chairman of Department – Kibabii University College	12
Accomplishments as ICT training Manager at Mumias Sugar Company	12
Accomplishments as Director of studies and computer studies teacher at Friends School, Kamusinga.....	12
Accomplishments as Assistant Registrar at Eldoret National Polytechnic.....	13
University external examiner	13
KNEC examiner	13
Book Chapters.....	13
Peer reviewed University level book Modules	14
Book publications	14
Publications in peer reviewed and referred International Journals.....	14
Selected Keynote	21
/ Technical speaker in selected conferences.....	21
International Conference organization	22
Papers presented seminars, workshops and conferences.....	22

Sign: 

Wednesday, January 26, 2022

Page i of 42

/Published in conference proceedings	22
Postgraduate teaching manuals	24
Academic awards publications.....	24
Journal Peer reviewing	24
Workshops attended/ facilitated.....	24
Completed Supervised Postgraduate work.....	27
Submit for examination awaiting defense.....	28
Ongoing Supervision Postgraduate work.....	28
Postgraduate examined thesis.....	28
Infrastructure Development and Research funds attracted	32
Grant research proposal that won	34
Software project involved in	35
Applications developed	35
Certificates of Merit in Drama.....	35
Achievements in Drama at the national level	36
Drama adjudication professional experience.....	39
Current research	39
/ research interest.....	39
Programme leadership	39
ICT Curriculum development	39
Consultancy	40
ICT Examiner out of university	41
Leadership out of the formal work environment and Community Service.....	41
Interests / Hobbies.....	42
Professional membership	42
Referees	42

Sign: 

DETAILED CURRICULUM VITAE

Prof. Franklin Wabwoba, PhD (IT)

Kibabii University,
P.O. Box 1699-50200, Bungoma or
P.O. Box 231-50205, Webuye.

Mobile : 0723844904 or 0733242552

E-mail: fwabwoba@gmail.com, fwabwoba@acm.org fwabwoba@kibu.ac.ke,



Personal Information

Nationality: Kenyan
Passport Status: Kenyan e-passport No. AK0356575 (Valid to 2nd May 2029)
Yellow fever vaccination: Valid to 15th November, 2024
Date of birth: 12th August, 1967
Marital status: Married
Religion: Christian
Languages spoken: English, Kiswahili and Mother tongue
Home Area: Milo Village (Kenya)

Key Skills possessed

- (i) A confident, assertive and organized individual who has the ability to prioritize workloads to meet tight deadlines;
- (ii) A key motivator within a team setting and able to get colleagues to perform well above their average level;
- (iii) Problem solving by applying logical and lateral thinking to issues and then coming up with viable solutions;
- (iv) A team player with ability of building relationships across different levels and with people from all social or cultural backgrounds;
- (v) Process-orientated and always ensuring the right tasks are done by the right people at the right time;
- (vi) Adaptable by nature, flexible in opinions and open to changing arrangements at short notice;
- (vii) A charismatic but pragmatic leader with good organizational and problem solving skills;
- (viii) A logical and evaluative decision maker with well-developed analytical skills;
- (ix) An enterprising, creative thinker with well-developed supervisory and management skills; and
- (x) Well-developed critical cross disciplinary thinking.

Academic and Professional qualifications

- **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

Sign:

Wednesday, January 26, 2022

Page 1 of 42

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 Njoro: 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

Certificate of Primary Education: Completed in 1980

Obtained 32 points out of maximum 36 points

English "B", Mathematics "A" and General Paper "A-"

Leadership Training

- May – September, 2021 By Kenya School of Government Kenya
Strategic Leadership Development Programme

- February 2019 by the Federation of Kenya Employers Kenya
Pre-CBA negotiation skills training

- May 2017 Pine bridge Training and Consulting Ltd Kenya
Enterprise Risk Management Training

- 16th – 18th March 2018 Kenya
ISO 9001:2015 Qualified Quality Management Systems Auditors

- May 2016 by the Federation of Kenya Employers Kenya
Pre-CBA negotiation skills training

- 2014 Kenya
ISO 9001:2008 Quality Management Systems Implementer
Qualified ISO QMS implementer

- 21st and 22nd May 2015 by the Ethics and Anti-Corruption Commission

Sign: 

Professional training

- (EACC) Kenya
Corruption prevention training
- May 2014 by Centre of Corporate Governance Kenya
Corporate Governance
 - 2006 Kenya Bureau of Standards Kenya
ISO 9001:2000 Quality Management Systems Implementer and Auditor
 - 2005 Outward Bound Trust Kenya
Team Building Course
 - 2004 First Africa Consulting Consortium Kenya
Performance Management Framework programme
 - 12th July to 8th August 2020 by the Commonwealth of Learning and Athabasca University, Canada
Blended Learning Practice Certificate of Completion
 - 12th July to 8th August 2020 by the Commonwealth of Learning and Athabasca University, Canada
Blended Learning Practice Certificate of Participation
 - 21st June to 25th July 2020 by the Commonwealth of Learning and Athabasca University, Canada
Introduction to Technology-Enabled Learning Certificate of Completion
 - 21st June to 25th July 2020 by the Commonwealth of Learning and Athabasca University, Canada
Introduction to Technology-Enabled Learning Certificate of Participation
 - 2002 by ICL Limited Kenya
Qualified as a Solaris Administrator in 2002. Solaris Administrator (UNIX based) I and II
 - 1988 National Youth Service Gilgil: Kenya
Basic Paramilitary Training
 - Training of one week and less than a month**
 - 22nd April to 26th April 2019
Digital content material development training by Captiva International Limited.
 - 25th -29th may 2016 Commission for Universities Education Kenya
Quality Assurance
 - 18th -22nd May 2016 Oracle Academy Kenya

Sign: 

Oracle Java Programming refresher course

Training of less than a week

- 14th – 15th February, 2019 Federation of Kenya Employers
Training on effective and progressive Industrial Relations

- 23rd – 24th October, 2018 By Kibabii University
Enhancing learning outcome through the Application of 21st century pedagogies in the provision of University Education and Embracing the new Competence Based Curriculum

- 20th – 21st September, 2018 by Commission for University Education
Peer reviewers' training of Universities workshop held at Masada Hotel, Naivasha

- 28th – 30th May 2018 Maier Consulting Limited Kenya
ISO 9001:2015 Quality Management Systems Auditor

- 6th – 8th March 2017 African Population and Health Research Center Kenya
Grant Proposal Writing

- 16th – 18th March 2015 Maier Consulting Limited Kenya
ISO 9001:2008 Quality Management Systems Auditor

- 2006 Kenya Bureau of Standards Kenya
ISO 9001:2000 Quality Management Systems Implementer and Auditor
Qualified ISO QMS implementer; Qualified ISO auditor

Professional career growth

- September 2021 to Date
Position: Professor of Information Technology
Institution: Kibabii University

- October 2016 to September 2021
Position: Associate Professor in Information Technology
Institution: Kibabii University

- November, 2013 to November, 2016
Position: Senior Lecturer in Information Technology
Institution: Kibabii University

- February, 2012 to November, 2013
Position: Lecturer in Information Technology
Institution: Kibabii University

- January, 2010 to February, 2012
Position: Lecturer in Computer Science and Information Technology

Sign: 

Institution: Masinde Murilo University of Science and Technology

➤ November, 2007 to December, 2019

Position: Assistant Lecturer in Computer Science and Information Technology

Institution: Masinde Murilo University of Science and Technology

➤ April, 2000 to November, 2007

Position: Manager and Computer Studies teacher

Institution: Mumias Sugar Company (Booker Academy)

➤ January, 1998 to April, 2000

Position: Graduate Teacher (Mathematics and Computer Studies)

Institution: Teachers Service Commission (Friends School, Kamusinga)

➤ January, 1992 to December, 1997

Position: Assistant Lecturer

Institution: Teachers Service Commission (Eldoret Polytechnic)

**Professional
Administrative
Experience**

(a) **Acting Deputy Vice Chancellor**

➤ October 2020 to January 2021

Bungoma: Kenya

Position: **Acting Deputy Vice Chancellor (Academic and Student Affairs)**

reporting to the Vice Chancellor (University Council Appointment)

(b) **Dean of Faculty**

➤ February 2021 to date

Bungoma: Kenya

Position: **Dean School of Computing and Informatics** reporting to the

Deputy Vice Chancellor (Academic and Student Affairs)

➤ October 2016 to October 2020 Kibabii University

Bungoma: Kenya

Position: **Dean School of Computing and Informatics** reporting to the Deputy Vice Chancellor (Academic and Student Affairs)

➤ November 2015 to November 2016 Kibabii University
Kenya

Bungoma:

Position: **Ag. Dean School of Computing and Informatics** reporting to the Deputy Vice Chancellor (Academic and Student Affairs)

➤ November 2013 to November 2015 Kibabii University College Bungoma:
Kenya

Position: **Ag. Dean School of Computing and Informatics** reporting to the Deputy Principal / (Academic, Research and Student Affairs)

Sign:



Wednesday, January 26, 2022

Page 5 of 42

(c) **Chairman, University Academic Department**

- July 2013 to November 2013 Kibabii University College Bungoma: Kenya

Position: **Chairman, Department of Computer Science** reporting to the Associate Dean Faculty of Science

- March 2012 to July 2013 Kibabii University College Bungoma: Kenya

Position: **Chairman, Department of Computer Science** reporting to the Associate Dean Faculty of Science

(d) **University Departmental Examination Coordinator**

- Jan, 2010-Mar. 2012 Masinde Muliro University of Science & Technology Kakamega: Kenya

Position: **Departmental Examination Coordinator** reporting to the Chairman of Department

(e) **Consultant**

- 2007 to 2010 Kenya Education Staff Institute (KESI) Kenya
Consult / Trainer with (KESI) in ICT i.e. Education Management Information Systems (EMIS)

(f) **Manager**

- 2000 to 2007 Mumias Sugar Company Mumias: Kenya

ICT training Manager/teacher Reporting to the Head ICT and training Manager

(g) **KNEC Computer studies Examiner**

- 1993 to 2008 Kenya National Examinations Council Nairobi: Kenya
Examiner KCSE project paper computer studies
Examiner Diploma Computer studies course in a number of papers

(h) **Director of Studies**

- 1998-2000 Friends school, Kamusinga Kimilili: Kenya

Director of studies and Computer Studies teacher reporting to the Deputy

(i) **Assistant Registrar**

- 1992-1997 Eldoret Polytechnic Eldoret: Kenya

Assistant Registrar and lecturer Reporting to the Registrar

National and International University quality Assurance / curriculum engagement

- (i) **April 2021 – to date: Ministry of Education (Kenya)**
- Member of think Tank on University Education and Research
- (ii) **2014 – to date: Commission for University Education Responsibility**
- Institution and Academic programmes review in Computer Science, Information Technology, Information Systems and computing related programmes.
- (iii) **2014– to date: Inter Universities Council of East Africa Responsibility**
- University Institution inspection in Burundi and Kenya for Inter Universities Council of East Africa computing harmonization programme

Sign: 

Wednesday, January 26, 2022

Page 6 of 42

**University
responsibilities**

- (Computer Science and Information Technology programmes)
- Secretary of the Information Technology Forum at the Inter Universities Council of East Africa computing harmonization programme (Computer Science, Information Technology)
1. Member of University Management Board from November 2020 to January 2021
 2. Dean: School of Computing and Informatics –Kibabii University, October 2016 to date
 3. Chairman: Entertainment and Publicity graduation Committee - Kibabii University, 2016 up to date
 4. Chairman: Curriculum and Programmes Review Committee (Committee of Senate) – Kibabii University, 2016- to date
 5. Patron and Director of the Kibabii University Drama troupe, 2015 up to date
 6. Chairman: School Board, School of Computing and Informatics, Kibabii University - July 2013 to date
 7. Chairman: School Board of Examiners, School of Computing and Informatics, Kibabii University - July 2013 to date
 8. Chairman: AD-HOC Committee responding to Call for Inter University Council for East Africa, East African Community to host KFW funded Master's degree scholarship - 2019
 9. Convener: Development of e-platform module writing in the School of Computing and Informatics - Kibabii University, 2019
 10. Chairman: Committee on review of allowances for Directors, Deans, and Heads of Departments –2018/19
 11. Chairman: Resource Mobilization Sub-Committee for the second Kibabii University International Conference - 2017
 12. Chairman: Ad-Hoc Committee to develop a CCTV proposal for the University
 13. Ag. Dean: School of Computing and Informatics – Kibabii University, November 2014 – October 2016.
 14. Ag. Dean: School of Computing and Informatics – Kibabii University College, July 2013 – November 2014.
 15. Acting Director, Quality Assurance - Kibabii University College, 2013
 16. Member: Statutes drafting Committee – Kibabii University College, 2013
 17. Member: Charter Drafting Committee – Kibabii University College, 2013
 18. Chairman of Department: Faculty of Sciences – Kibabii University College, February 2012 to June 2013.
 19. Chairman: Textbooks Procurement Committee, Kibabii University College, 2012-2015
 20. Member: Kibabii University College, Academic Board March 2012 to 2014
 21. Member: Senate Masinde Muliro University of Science and Technology, 2012 –2014
 22. Member: Strategic Planning Committee – Kibabii University College, 2012 – 2013
 23. Chairman of Short listing Committee - Kibabii University College, 2013
 24. Chairman: Departmental Board, Faculty of Science, Kibabii University College- February 2012 to July 2013

Sign: 

Wednesday, January 26, 2022

Page 7 of 42

25. Chairman: Departmental Board of Examiners, Department of Faculty of Science, Kibabii University College - February 2012 to July 2013
26. Patron and Director of the Kibabii University College Drama troupe, 2012-2015
27. Patron and Director of the Masinde Muliro University of Science and Technology Drama troupe, 2009-2011

Recent University appointments to discharge duties of higher offices (VC/DVC)

Discharging duties of the Vice Chancellor office, Kibabii University

- (i). 18th January, 2021
- (ii). 29th to 30th January, 2018

Discharging duties of the Deputy Vice Chancellor (Academics and Student Affairs) office, Kibabii University

- (i). 21st to 28th February, 2020
- (ii). 9th to 13th December, 2019
- (iii). 7th to 8th February, 2019
- (iv). 21st to 22nd June, 2018
- (v). 29th March 2018

Membership to University Committees

1. Member of Institute of Gender and Development Studies (IGDS) Board, 2021 to date
2. Member of Directorate of Quality Assurance Board, 2021 to date
3. Member of Senate, Kibabii University 2015 up to date
4. Member of Deans Committee, Kibabii University –2015 to date.
5. Member of Students Disciplinary Committee, Kibabii University –2015 to date.
6. Directorate of Information and Communication Technology Board Member, Kibabii University -2018 to date
7. Directorate of Open, Distance and electronic learning Board Member, Kibabii University -2018 to date
8. Directorate of Performance Contracting and Quality Assurance Board Member, Kibabii University -2018 to 2021
9. Member of the Standing Committee for International Conference, Kibabii University Statutes –2016 to date.
10. 8 Member of the Graduation Ceremonies, Prices and Awards and Graduation Committee - Kibabii University, 2016 to date
11. Editor / Member of the Gradation News Booklet Editorial Committee - 2016 up to 2020
12. Member of ISO Quality Management System steering committee, Kibabii University 2015 up to date
13. Member of Fund Raising for Endowment Fund, Kibabii University, 2020 up to date
14. Member of the ISO Auditors at Kibabii University – 2014 up to date
15. Member of the Kibabii University AD HOC Committee on Review of the students' admission handbook , 2019

Sign: 

16. Member of the Kenya National Drama Festival Preparation Committee, Kibabii University: 2018 - 2019
17. Member of Ad-Hoc Committee to develop proposal for establishment of the centre for performing and creative arts - 2019
18. Member of the Senate Ad-Hoc Committee to review the Kibabii University Statutes 2018 Resource
19. Member of the Research, Consultancy and Innovation Technical Committee, Kibabii University - 2018
20. Member of the Ad-Hoc Committee of Senate for preparation of the Chancellors' citation – 2016
21. Member of the Enterprise Planning (ERP) Implementation Committee - 2015
22. Member of the University Statutes Preparation Committee - 2015
23. Member of University Charter Drafting Committee - Kibabii University, 2013-2015
24. Member of Senate Masinde Muliro University of Science and Technology 2012-2015
25. Member of the Kibabii University College Academic Board, 2012 - 2015
26. Member of the Kibabii University College Deans committee, 2012 - 2015
27. Member of the Kibabii University College Students Disciplinary Committee, 2012 – 2015
28. Member of the Kibabii University College Quality Assurance Committee, 2012 - 2015
29. Member of the Privately Sponsored Students Programmes Board, 2012 - 2015
30. Member of the Hall Wardens Committee - Kibabii university college, 2012 - 2014
31. The University College Timetable Coordinator, 2012 – 2014
32. Member of University Policies Formulation Committee – Kibabii University College, 2013

Responsibilities at Masinde Muliro University of Science & Technology

1. Departmental Postgraduate Board representative to the faculty graduate Board
2. Departmental postgraduate courses coordinator
3. Departmental Examinations coordinator
4. Member of e-waste Curriculum and Training Sub-Committee
5. Member of the Graduation Ceremonies Entertainment Sub-Committee, 2010 to 2012

Accomplishments as Acting Deputy Vice Chancellor (Academics and Student Affairs) for three month at Kibabii University

- (i) Developed the policies below that were approved by Council:
 1. Credit transfer and exemptions policy; and
 2. Part-time Teaching Management Policy.
- (ii) Establishment and Operationalization of the School of Nursing
- (iii) Developed proposals for establishment of the listed centres below that were approved by Council:
 1. Centre for Creative Performing Arts and Sports; and
 2. Centre for Languages and Cultural Studies.
- (iv) Developed proposals for establishment of establishment of the School and faculty listed below that were approved by Council:

Sign: 

1. School for Education; and
 2. Faculty of Arts and Social Sciences.
- (v) On the managerial tasks performance the following achievements were attained during the tenure:
1. Peaceful and harmonious coexistence between the students, community and management
 2. Successfully steered the institution through to successful Commission for University Education (CUE) regular audit that saw the University retain the Charter;
 3. Staff trained on blended learning sponsored by Commonwealth of Open Learning funding;
 4. Managed to have first, third and fourth year students 2019/2020 during the COVID-19 resume face to face and complete the academic year with their results fully processed;
 5. Signed and castigated Performance Contracts with all Deans, and Section heads in the Academics and Students Affairs division;
 6. Designed the 2020/2021 academic year face to face resumption of studies schedules;
 7. Streamlined part time payments to be handled by the Part Time Management Committee;
 8. Implemented UMB decision that has earned the university income from attachment and supervision funds;
 9. Ensured the ERP linked special examinations clearance to having full paid up fees
 10. Ensured the automation of the admission process;
 11. Ensured the automation of the students promotion to next academic year to only those who have fulfilled requirements;
 12. *Honaris causa* degree award and nominee approval by council and the Chancellor's office;
 13. Established committees to manage and setting them into motion towards preparation of the 6th graduation activities; and
 14. Second year 2019/2020 and first year 2020/2021 recalled for the face to face session and the Second years 2019/2020 were taking their end of year examinations under the COVID19 circumstances.
 15. Developed and designed training for Chair of Departments and Deans course that was approved by management and was awaiting being undertaken.

**Accomplishments
as Dean School of
Computing and
Informatics,
Kibabii
University**

1. Developed a proposal that competitively won to host the East Africa Community and Germany (EAC/KFW) International students' scholarships from the Inter University Council of East Africa from all universities in East Africa for fully sponsored students to the Master of Science in Information Technology at Kibabii University.
2. Developed a proposal that competitively won from universities in the Lake region Counties to be Centre of Excellency for Computing in the Lake Region Bloc at Kibabii University.

Sign: 

Wednesday, January 26, 2022

Page 10 of 42

3. Developed a proposal for Infrastructure Support that competitively won KSh. 64M for establishment of a computing HUB from amongst all public and private universities in Kenya.
4. Designed roadmap for establishment of School of Computing and Informatics.
5. Led to school academic staff in a paradigm shift of only face to face lecturing to a face to face complimented with e-platform support.
6. Facilitated faculty into being training in to e-content development
7. Steered faculty into developing e-content for the various course at Undergraduate to PhD level in the school
8. Steered faculty teaching programming courses towards delivering the courses with the support of SMART phones taking learning into the hands of the learner away from desktop computers in the laboratory.
9. Establishment of the Kibabii University Robotics club that has won accolades at the National Robotics Competition.
10. Facilitated most graduate students (Masters and PhDs) in the school to win research funding for their studies
11. Established community outreach engagements such as :
 - (i). Training of youth in ICT through the Kenya Youth Employment Opportunities Project (KYEOP) jointly with Kenyatta University, 2019
 - (ii). Training of Bungoma County nurses in ICT literacy jointly with Strathmore University, 2019
 - (iii). Ajira workshops jointly with the ministry of Information and Communication Technology 2018 - 2019
12. Established linkages with organizations notably among them being
 - (i) Information Systems Audit and Control Association (ISACA)
 - (ii) ORACLE
 - (iii) CISCO
 - (iv) National Industrial Training Authority (NITA)
 - (v) International Business Machines (IBM)
 - (vi) HUAWEI
 - (vii) GOOGLE
13. Developed School of Computing and Informatics work Procedures.
14. Designed Strategic Pillars to guide the growth and development of the School of Computing and Informatics – Philosophy, Vision, Mission Values and Motto.
15. Prepared School and Departmental staff establishments.
16. Supervised teaching, setting and Administration of Examinations.
17. Developed a proposal and established Specialized Instructional Rooms in the School such as – Undergraduate Computer Laboratories, Postgraduate Computer Laboratory, Mobile Computer Laboratory, Digital Forensics Laboratory and Computer Workshop.
18. Developed new graduate programmes awaiting approval at Commission for University Education: Master of Science in Computer Science and approval at Senate: Master of Science in Digital Forensics

Sign: 

19. Developed strong consultative and team work spirit amongst the staff of the School of Computing and Informatics.
20. Developed School of Computing and Informatics brochure for marketing of the programmes in the Faculty.
21. Established committees to coordinate School functions.
22. Launched Graduate programmes in the School that have since graduated students at both Masters and PhD level. (The school was the first to graduate a PhD at the University its first congregation)
23. Increased number of PhDs among Academic members of the School
24. Established a SCAI staff welfare that is operational
25. Established a SCAI students welfare that is operational

**Accomplishments
as Chairman of
Department –
Kibabii University
College**

1. Launch of academic Programmes including steady increase in enrolment.
2. Roll out of Industrial Attachment to the entire country of Kenya.
3. Regular scheduled Departmental Seminars.
4. Increased number of PhDs among Academic members of the department.

**Accomplishments
as ICT training
Manager at
Mumias Sugar
Company**

1. An internal ISO Quality Management Systems (QMS) Auditor and Implementer, Auditing the Mumias Sugar Company Systems that saw the company maintain ISO certification.
2. Played a leading role in the implementation of ISO QMS that saw the company get ISO certification
3. 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.
4. Successfully trained and supported users of the Human Resources Computerized System (PerPay:- that is Oracle based) at Mumias Sugar Company
5. Managed successfully the Medical systems Help Desk of Mumias Sugar Company whenever called upon
6. Established a computer laboratory at Mumias Sugar Company's Booker Academy Secondary section
7. Established Computer Studies as one of the curriculum subjects at Mumias Sugar Company's Booker Academy Secondary section
8. Successfully trained learners in computer studies recording very high passes: Average mean grade "A-" at Mumias Sugar Company's Booker Academy Secondary section
9. Trained and won national awards in drama at Mumias Sugar Company's Booker Academy Secondary section

**Accomplishments
as Director of
studies and
computer studies
teacher at**

1. 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.
2. Established a computer laboratory
3. Established Computer Studies as one of the curriculum subjects
4. Taught computer studies and had students excel in national examinations recording very high mean grade "B+"
5. Developed and Administered a computerized examination processing

Sign: 

Wednesday, January 26, 2022

Page 12 of 42

**Friends School,
Kamusinga**

system that improved the efficiency of manpower utilization and learners feedback

**Accomplishments
as Assistant
Registrar at
Eldoret National
Polytechnic**

6. 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"

1. Participated in the development of the Diploma computer studies syllabus.
2. Successfully managed both administrative and academic programs of the national polytechnic with the institution experiencing no strike at all.
3. Established work procedures for the office of Assistant Registrar
4. Lectured Higher Diploma and Diploma trainees computer studies and Engineering mathematics recording a very high pass rate
5. Increased enrolment in certificate, Diploma and Higher Diploma programmes
6. Established a timely, fair and efficient admissions process
7. Established and managed a timely effective examination system that realized no examination leakages that led to students meeting KNEC examination requirements
8. Wrote Distance Learning Booklets for Business Statistics paper for Kenya Accounting Technicians Course examined by KASNEB

**University
external examiner**

- (i). 2020 to date
University of KwaZulu-Natal (South Africa)
- (ii). 2018 to date
Tom Mboya University College
- (iii). 2016 to date
The Technical University of Kenya
- (iv). 2015 to date (Graduate studies thesis)
The University of Nairobi
- (v). 2018 to 2020
Maseno University
- (vi). 2014 to 2020
Jaramogi Oginga Odinga University of Science and Technology

KNEC examiner

- 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

Book Chapters

Chapters while at Associate Professor grade

1. Mbugua S., **Wabwoba F.** and Kimingich C. (2020). Implementation Evaluation Metrics for ERP solution: A case of Kibabii University. In G. Muketha & E. Micheni (Eds.), *Metrics and Models for Evaluating the Quality and Effectiveness of ERP Software* (pp. 265-306). Hershey, PA: IGI Global. ISBN13: 9781522576785 |ISBN10:1522576789 |EISBN13:9781522576792 DOI: 10.4018/978-1-5225-7678-5.ch011.

Sign: 

Wednesday, January 26, 2022

Page 13 of 42

**Peer reviewed
University level
book Modules**

Modules while at Associate Professor grade

1. Mbuguah M. S., **Wabwoba F.** and Shisoka A. D. (2019) Computer Applications (KUC 112) Kibabii University. ISBN 978-9966-59-013-8
2. Shisoka A. D., **Wabwoba F.** and Mbuguah M. S. (2019) Fundamentals of Computing (CSC 110) Kibabii University. ISBN 978-9966-59-019-0

Book publications

1. Mbugua S. M., Rono K. R. and **Wabwoba F.** (2020). *Digital Electronics*. Kibabii University (ISBN 978-9966-59-051-0)
2. 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)
3. Mbuguah S. & **Wabwoba F.** (2015). *Computers Basics and Applications at your fingertips: Computer Basics*. Lambert Academic Publishing (ISBN 978-3-659-68624-5)
4. Mbuguah S. & **Wabwoba F.** (2014). *Attackability Metrics Model for Secure Service Oriented Architecture*. Lambert Academic Publishing (ISBN 978-3-659-66885-2)
5. **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)
6. **Wabwoba N. S. C. & Wabwoba F.** (2013). *Implications of free primary education on learning resources*. Lambert Academic Publishing (ISBN: 978-3-8484-4295-9)

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

Publication while at Associate Professor grade

1. Sakubu D., Barasa S. W. & **Wabwoba F.** (2021) Developing Economies Green Computing Adoption Framework for Universities: Case Study of Burundi. *The International Journal of Science & Technoledge* 9(8): 7- 13 DOI No.:10.24940/theijst/2021/v9/i8/ST2108-007
2. Ongare R. M., Ikoha A. P. & **Wabwoba F.** (2021). Internet Usage for Women Entrepreneurship Sustainability: A Study of Selected Rural Woman Entrepreneurs of Small Businesses. *International Journal of Computer Science Trends and Technology (IJCT)* 9(2): 9- 20 ISSN: 2347-8578 <http://www.ijcstjournal.org/volume-9/issue-2/IJCST-V9I2P3.pdf>
3. Ongare R. M., **Wabwoba F.** & Ikoha A. P. (2021). Social Media Platforms Usage for Entrepreneurship Sustainability: A Study of Selected Rural Women Entrepreneurs of Small Businesses. *International Journal of Computer Science and Information Technologies*, 12 (2): 34-41 ISSN:0975-9646 <http://ijcsit.com/docs/volume12/vol12issue02/ijcsit2021120202.pdf>
4. Mugeni G. B, Omieno K. K., **Wabwoba F.**, Karume S. M. and Otanga D. (2020). Determinants for the adoption of Internet of Things (OIT) for flood and drought disaster management in Kenya. *International Scientific Journal Theoretical & Applied Science* 89(09):342-354 <http://dx.doi.org/10.15863/TAS>, <http://s-0-i.org/1.1/TAS-09-89-43>, <http://t-science.org/axivDoi/2020/09-89/PDF/09-89-43.pdf>

Sign: 

5. Muyobo D. K., Ikoha P. A., and **Wabwoba F.** (2020) Modeling a Unified Virtual Market Platform Using Ontologies and User Characteristics. *International Journal of Computer Trends and Technology* 68(6):28-36. Doi:10.14445/22312803/IJCTT-V68I6P105
6. Mukanda A., Mbuguah S., **Wabwoba F.** and Ikoha A. (2020) Modeling User Trends Experience with Universities Websites Based on Webometric Ranking User Analysis *International Journal of Computer and Technology*, 68(4),165-174. Doi:10.14445/22312803/IJCTT-V68I4P127 <https://www.ijcttjournal.org/archives/ijctt-v68i4p127>
7. **Wabwoba F.** and Wechuli A. N. (2020). ICT for Sustainable Development without Digital Divide in Africa *International Journal of Computer Trends and Technology*, 68(4): 77-80 <https://www.ijcttjournal.org/archives/ijctt-v68i4p114> ISSN: 231-2803
8. Simiyu P. W., **Wabwoba F.** and Ronoh R. (2019). A critical Evaluation of the environmental effects of the existing E-waste management practices in Kenya. *International Journal of Multidisciplinary Research and Publications (IJMRAP)* 2(6): 1- 4 ISSN: 2581-6187
9. Ndenga K. M, Ganchav J., Mehat J., **Wabwoba F.** and Akdag H. (2019). Performance and Cost Effectiveness of change Burst Metrics in predicting Software Faults. *Knowledge and Information Systems* 60(1): 275-302 <https://doi.org/10.1007/s10115-018-1241-7> print ISSN 0219-1377 online ISSN 0219-3116
10. Gichuki D. K., Rubia S. C. and **Wabwoba F.** (2019) Towards Philosophy of Information Technology *International Journal of Contemporary Applied Researches* 6(6): 35-42 ISSN: 2308-1365 <http://ijcar.net/assets/pdf/Vol6-No6-June2019/5.-TOWARDS-PHILOSOPHY-OF-INFORMATION-TECHNOLOGY.pdf>
11. **Wabwoba F.** (June 2019). Green ICT Policy Maturity for Actualization of Sustainable Computing in Developing Nations. *International Journal of Computer Science, Engineering and Information Technology IJCSEIT* 9(3):1-13 ISSN 2231-3117 DOI: 10.5121/ijcseit.2019.9301
12. Otieno B., **Wabwoba F.** and Shikhuyu J. (2019) A Review of Green ICT Readiness in the Insurance Industry in Developing Nations. *The International Journal Of Science & Technoledge* 7(4): 42-53 ISSN 2321 – 919X DOI No.: 10.24940/theijst/2019/v7/i4/ST1904-016; Corpus ID: 204495346.oa <http://www.internationaljournalcorner.com/index.php/theijst/issue/view/8493>
13. Etene Y., Ikoha A. P. and **Wabwoba F.** (2019) Integrated Cloud Computing Environment Model (ICCEM) Towards Affordable ICT Integration in Education. *IOSR Journal of Computer Engineering (IOSR-JCE)* 21(2):23-33 e-ISSN: 2278-0661,p-ISSN: 2278-8727, DOI: 10.9790/0661-2102032333 <http://www.iosrjournals.org/iosr-jce/papers/Vol21-issue2/Series-3/E2102032333.pdf>
14. Etene Y., **Wabwoba F.** and Ikoha A. P. (2019) Human Capacity Training Model for Managing ICT Integration in Education *International Journal of Advanced Research in Computer Engineering & Technology (IJARCET)*

Sign: 

- 08(03):102-109 ISSN: 2278-1323 <http://ijarcet.org/wp-content/uploads/IJARCET-VOL-8-ISSUE-3-102-109.pdf>
15. Owoche P., **Wabwoba F.** and Wechuli A. N. (2019). Global Information Technology Infrastructure in addressing the problem of Environmental Degradation in Kenya. *International Journal for Information Technology and Computer Science* 9(1): 1-14. ISSN: 2231-153X (online) 2231-1939 (print) DOI: <http://dx.doi.org/10.5815/ijitcs.2019.9101>
 16. **Wabwoba F.** (February 2019). Green ICT Governance Maturity for Sustainable Computing in Developing Nations: Case of Kenya. *International Journal of Latest Technology in Engineering, Management & Applied Science-IJLTEMAS* 8(2):86-93 ISSN 2278-2540 URL: www.ijltemas.in/DigitalLibrary/Vol.8Issue2/86-93.pdf
 17. Mbuguah M. S., **Wabwoba F.** and Wanjala C. K. (2019), Implementation Evaluation Metrics for Enterprise Resource Planning Solution – A case of Kibabii University. *Current Journal of Applied Science and Technology*. 32(3):37-45. ISSN: 2457-1024 DOI: <http://dx.doi.org/10.9734/CJAST/2019/46085>
 18. 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>
 19. **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). [Http://DOI:10.5121/ijite.2018.7302](http://DOI:10.5121/ijite.2018.7302)
<http://airconline.com/ijite/V7N3/7318ijite02.pdf>
 20. Ronoh K. R., Mbugua S. and **Wabwoba F.** (2018). Factors influencing the selection of Mobile Phone among University students in Kenya. *International Journal of Innovative Research and Advanced Studies (IJIRAS)* 5(5):53-55 ISSN 2349-4404
 21. Otanga D. and **Wabwoba F.** (2018) Evaluation Model for Information Security on Mobile Computing Systems in Universities. *International Journal of Scientific and Education Research* 2(01):1-13
https://ijsernet.org/uploads/SER_01_09.pdf
 22. Ndenga K. M, Ganchav J., Mehat J., **Wabwoba F.** and Akdag H. (2018). Performance and Cost Effectiveness of change Burst Metrics in predicting Software Faults. **Knowledge and Information Systems** (2018): 1-28 <https://doi.org/10.1007/510115-018-1241-7> print ISSN 0219-1377 online ISSN 0219-3116
 23. Ronoh K. R., Mbugua S. and **Wabwoba F.** (2018). Innovative features driving mobile phone usage by students in Kenya. *International Journal of Modern Trends in Engineering and Research* 5(1):180-184 DOI:10.21884/IJMTER.2018.5027.9V5F7 E-ISSN 2349-9745 P-ISSN

Sign: 

2393-8161

24. 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>
25. 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/AFRCON.2017.8095573 INSPEC Accession Number: 17337960*
26. 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.../1.../Mobile_communications_and_Telecommuting.pdf
27. 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>
28. 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>
29. 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>
30. Ndukuyu C. A., **Wabwoba F.** and Ikoha A (2017). Pervasive computing in sugar industry. *International Journal of Novel research in Electronics and Communication*. 3 (2):1-13. www.noveltyjournals.com
31. Barasa S., Barasa P., Motochi V. & **Wabwoba F.** (2016). Global Information Technology Infrastructure in Addressing the Borderless Problem of Overpopulation. *Journal of Computer (JoC)* 1(4): 7-19 ISSN: 2518-6205
<http://www.journal.computer/Publications/October2016/V1I403.pdf>
32. 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 ISSN:2278-1323
www.ijcert.org
Publication while at Senior Lecturer grade
33. Otanga D. & **Wabwoba F.** (September 2016) Approaches in Information System Security in Universities in Mobile Computing Environment.

Sign: 

Wednesday, January 26, 2022

Page 17 of 42

- International Journal of Research in Information Technology* 4(9):19-30 ISSN 2001-5569 <http://www.ijrit.com/archives/volume-3-issue-9-1>
34. 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>
 35. 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>
 36. 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
 37. 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>
 38. 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
 39. 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
 40. 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
 41. 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
 42. **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.

Sign: 

http://cirworld.com/journals/index.php/ijct/article/view/2330N/pdf_478

43. 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
44. **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
45. 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
46. 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
47. 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

48. **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
49. **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
50. **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 (IJAIEM).* 2(1): 93-104. ISSN 2319 – 4847
<http://www.ijaiem.org/volume2Issue1/IJAIEM-2013-01-15-021.pdf>

Sign: 

Wednesday, January 26, 2022

Page 19 of 42

51. **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
52. 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>
53. 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 (IJAIEM)*. 1 (4): 35 – 40. ISSN 2319 <http://www.ijaiem.org/volume1Issue4/IJAIEM-2012-09-25-059.pdf>
54. **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
55. Ujunju M., Wayamba 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) Digital Object Identifier (DOI):[10.14569/IJACSA.2012.030707](https://doi.org/10.14569/IJACSA.2012.030707) http://www.ijacsa.thesai.org/IJACSA_Volume3No7.pdf
56. 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
57. 54. 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)
58. Mutua S., **Wabwoba F.**, Abenga E., Kilwake J., Ogao P. (2011). Teaching Computer Programming in the 21st Century. *International Journal*

Sign: 

of Science and Technology. 1(6):247-252. ISSN 2224-3577
http://ejournalofsciences.org/archive/vol1no6/vol1no6_10.pdf

59. 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
60. **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 Education: Research (JITE)* 10: 333- 347. ISSN: online 1539-3585; print 1547-9714; CD 1547-9706
<http://www.jite.org/documents/Vol10/JITEv10p333-347Wabwoba836.pdf>
61. **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
62. **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
63. 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

Keynote address at Associate Professor level

1. **Wabwoba (2019)** Accelerating digital innovation and emerging trends in ICT and Engineering among college students. The annual ICT and Engineering Summit 21st August, 2019 at ICS college Eldoret Campus
2. **Wabwoba (2019)** ICT Innovations, Renewable Energy, Gender and Nano-Technologies for Sustainable Development. Masinde Muliro University of Science and Technology The Inter-Disciplinary International Conference on 19th – 21st June, 2019

Keynote address at Senior Lecturer level

3. **Wabwoba (2015)** Western Kenya ICT Convention and Innovation Forum- Theme: Tapping innovative minds for economic prosperity at Matili Technical Training Institute on the Thursday, December 17, 2015 and Friday, December 18, 2015

Selected Keynote

**/ Technical
speaker in
selected
conferences**

Sign: 

**International
Conference
organization**

Conference Organization while at Associate Professor level

1. Kibabii University 4th International Conference. Theme: Enhancing food security and Universal Health care for sustainable growth 12th – 14th June 2019. Role: Member of the Technical Sub-Committee and also chair of session
2. Kibabii University 3rd International Conference. Theme: Creative and Innovation for sustainable development 12th – 14th June 2018. Role: Member of the Technical Sub- Committee (page 6) and also chair of session (page 15)
3. Kibabii University 2nd International Conference. Theme: Innovative Research and Knowledge for Global competitiveness and sustainable development 14th – 15th June 2017. Role: Member of the Technical Sub-Committee and also chair of session

Conference Organization while at Senior Lecturer level

4. Kibabii University 1st International Conference. Theme: Transformative leadership for societal empowerment in the 21st century 22nd – 24th June 2016. Role: Member of the Technical Sub- and also chair of session

**Papers presented
seminars,
workshops and
conferences**

**Peer reviewed Conference papers while at Associate Professor
level**

**/Published in
conference
proceedings**

1. Otieno B., **Wabwoba F.** and Musumba G. (2021) Bandits using Fuzzy to fill Knapsacks: Smallholders Farmers Credit Scoring. *2021 IST-Africa Conference (IST-Africa) Proceedings Miriam Cunningham and Paul Cunningham (Eds) IST-Africa Institute and IIMC, 2021* pp. 1-10. IEEE Conference Publication ISBN: 978-1-905824-67-0
2. Otieno B., **Wabwoba F.** and Musumba G. (2020) Towards Small-Scale Farmers Fair Credit Scoring Technique. *2020 IST-Africa Conference (IST-Africa) Proceedings Miriam Cunningham and Paul Cunningham (Eds) IST-Africa Institute and IIMC, 2020 Kampala, Uganda, 2020* pp. 1-11. IEEE Conference Publication ISBN: 978-1-905824-64-9
URL:
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9144049&isnumber=9144002>
3. Otieno B, **Wabwoba F.** & Musumba G. (2019) Towards Small-Scale Farmers fair credit scoring technique. Kibabii University 4th International Conference. Theme: Creativity and Innovation for Sustainable Development. 12th – 14th June, 2019. Kibabii University at Bungoma, Kenya. ISBN: 978-9966-59-020-6
4. Rono K. R., Mbugua S. & **Wabwoba F.** (2018) Factors influencing the selection of mobile phone among University students in Kenya. Kibabii University 3rd International Conference. Theme: Creativity and Innovation for Sustainable Development. 12th – 14th June, 2018. Kibabii University at Bungoma, Kenya. ISBN: 978-9966-59-011-4
5. Mukanda A., Mbugua S. & **Wabwoba F.** (2018) Energy efficient programming attributes in mobile applications environment. Kibabii University 3rd International Conference. Theme: Creativity and Innovation for Sustainable Development. 12th – 14th June, 2018. Kibabii University at Bungoma, Kenya. ISBN: 978-9966-59-011-4

Sign: 

6. Mukanda A., Mbuguah S. and Wabwoba F. (2019). Mobile Applications Energy efficient programming practices and energy profiling tools. Jaramogi Oginga Odinga University of Science and Technology 2nd International Conference. 26th February – 1st March, 2019. At the Grand Royal Swiss Hotel in Kisumu County, Kisumu: Kenya
7. 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.* ISBN 978-1-5386-2776-1
8. Wechuli A. N., **Wabwoba F.** & Barasa P. W. (2017) Mobile Communications and Telecommuting: Are they a necessary evil for Business Community in Kenya. EICPSDA/2017/011. *The 2nd Eldoret International Conference on Poverty and Sustainable Development in Africa (EICPSDA - 2017)* 13th - 14th September 2017 held at Kisii University Eldoret Campus.
9. 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 ISBN: 978-91-978513-9-8, University of Skövde, Skövde, Sweden

Conference papers while at Senior Lecturer grade

10. 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.*
11. **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

12. **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.*
13. **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.*
14. **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*
15. Mutua S., **Wabwoba F.**, & Kilwake J. (2011). Using Mobile Learning to increase Universities' Student Enrolment. *Strathmore 2nd ICT conference held at Strathmore University on the 2nd and 3rd September, 2011*

Sign: 

16. 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*
17. **Wabwoba F.**, **Omiemo 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*
18. **Wabwoba F.** and 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 and before

19. **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.*

Postgraduate teaching manuals

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

Academic awards publications

1. **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)*
2. **Wabwoba F.** (2006). A teacher distribution management information system based on an assessment of computing levels of education managers. *Kenyatta University (Masters Thesis)*
3. **Wabwoba F.** (1997). The provision of educational law in the teacher training programmes in Kenya. *University of South Africa (Endorsement Thesis)*
4. **Wabwoba F.** (1990). Developing effective instructional materials for teaching of area and trigonometry. *Egerton University (Undergraduate project report)*

Journal Peer reviewing

1. Member of the International review Board: The African Journal of Information Systems
2. Member of the International review Board: Informing Science Institute

Workshops attended/facilitated

workshops while at Associate Professor grade

1. 15th – 19th January 2020. Western Region Drama trainers workshop **by the Ministry of Education, Science and Technology** held at Border Palace, Busia (Facilitator)
2. 28th November – 4th December 2019. Kenya National Drama Festival:

Sign: 

- National trainers workshop **by the Ministry of Education, Science and Technology** held at Kenya School of Government, Baringo
3. 22nd – 26th April, 2019 E-content Material Development by **Captiva International Limited** held at Kisumu
 4. 14th – 15th February, 2019 Effective and Progressive Industrial Relations by the **Federation of Kenya Employers** at Kibabii University
 5. 15th – 19th January 2019. Western Region Drama trainers workshop **by the Ministry of Education, Science and Technology** held at Border Palace, Busia
 6. 23rd – 24th October, 2018 Enhancing learning outcomes through the Application of 21st century pedagogies in the provision of university education and embracing the new Competence Based Curriculum at Kibabii University (as a facilitator and participant)
 7. 20th – 21st September, 2018. Peer reviewers' training of Universities workshop **by Commission for University Education** held at Masada Hotel, Naivasha
 8. 23rd – 24th May, 2017 Enterprise Risk Management Training by **PineBridge** at Kibabii University
 9. 6th – 8th March, 2017, Grant Proposal writing workshop by **African Population and Health Research Center** held at Kibabii University

workshops while at Senior Lecturer grade

10. Pre-CBA negotiation skills by the Federation of Kenya Employers at Kibabii University on 13th May, 2016 at Kibabii University
11. Quality Assurance Workshop for Universities by Commission for Universities Education held at Nakuru between 25th -29th may 2016.
12. Oracle Java Programming refresher course held at Kibabii University between 18th -22nd May, 2016 by Oracle Academy.
13. 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
14. Corruption prevention training workshop by the **Ethics and Anti-Corruption Commission (EACC)** between 21st and 22nd 2015 at Kibabii University College.
15. 27th – 31st January 2015. National directors Training of trainers workshop **by the Ministry of Education, Science and Technology** held at Baringo Government school
16. 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 for East Africa**
17. 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 for East Africa**
18. May 2014. Corporate Governance workshop by **Centre of Corporate Governance** held at Kibabii University College
19. May 2014. Peer review of Universities workshop by **Commission for**

Sign: 

Wednesday, January 26, 2022

Page 25 of 42

- University Education** held at Kenya Institute of Curriculum Development
20. March 2014. Enhancing management culture, integration and internalization workshop **by Kibabii University** held at Kibabii University College.
 21. February 2014. Western province producers and adjudicators workshop held at Busia
 22. January 2014. National directors Training of trainers workshop **by the Ministry of Education** held at Embu Government school
 23. 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

24. 2013. Risk Management workshop held at Kabula Pastoral centre in June 2013
25. 2013. The second Workshop on emerging ICT technologies held at Masinde Muliro University of science and technology in March 2013.
26. 2013. Nzoia region adjudicators workshop
27. 2013. Nzoia region directors workshop
28. 2012. Information Technology first seminar held at Masinde Muliro university of science and Technology
29. 2012. Information for quality service and customers satisfaction at Kibabii University College
30. 2012. Western province adjudicators workshop
31. 2012. Western province directors workshop
32. 2011. National directors workshop held in Kisumu
33. 2011. Western province adjudicators workshop
34. 2011. Western province directors workshop
35. 2010. National directors workshop held at Kasarani: Nairobi
36. 2010. Western province adjudicators workshop
37. 2010. Western province directors workshop
38. 2010. Fundamentals of web applications at Masinde Muliro University of Science and Technology
39. 2010. Research4Life and TEEAL organized by FAO and WHO
40. 2010. Education for sustainable development: Innovations, Opportunities and challenges in the 21st century

Workshops while at Assistant Lecturer grade

41. 2009. The training workshop on design of educational programmes using Radio for teaching and learning
42. 2009. Western province adjudicators workshop
43. 2009. Western province directors workshop
44. 2008. Western province adjudicators workshop
45. 2008. Western province directors workshop
46. 2007. Western province adjudicators workshop
47. 2007. Western province directors workshop

Sign: 

Workshops before Assistant Lecturer grade

48. 2006. Western province adjudicators workshop
49. 2006. Western province directors workshop
50. 2004. National directors workshop held in Mombasa
51. 2004. Western province adjudicators workshop
52. 2004. Western province directors workshop
53. 1999. Student leadership, Delinquency, guidance, counseling and pastoral care in schools. Held at Kenyatta university

Doctor of Philosophy (Information Technology Thesis)

Completed
Supervised
Postgraduate
work

1. Roselida Maroko (2021) *Emerging security trends on secure mobile computing evaluation in fully automated environment.* (Kibabii University (Kenya))
2. Etene Yonah. (2019) *Cloud computing for technologies towards accessible ICT integration in public primary school education.* (Kibabii University (Kenya))
3. Rono K. R. (2018) *Modeling innovative features on mobile phone usage patterns amongst university students in Kenya* (Kibabii University (Kenya))
4. Wechuli N. A. (2017) *Modeling security usability on digital inclusion in E-service provision* (Kibabii University (Kenya))
5. 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))
6. 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)

1. Ng'etich J. (2021) *A framework for adopting e-payment systems for small and medium enterprises in Kenya* (Kibabii University)
2. Simiyu W. P. (2019) *E-waste management system for environmental sustainability in Kenya* (Kibabii University)
3. Gichuki D. K. (2018) *Green Information Technology Framework in a Virtualized Environment in Public Universities in Kenya.* (at Kibabii University)
4. Ndukuyu M. (2016) *Adoption of Mobile Computing for ubiquitous data management in Sugar companies in Kenya* (Kibabii University)
5. Tsinale L. H. (2016). *Performance expectancy and cloud risks as determinants for cloud computing acceptance in public universities in Kenya* (at Kibabii University)
6. Batoya I. (2015). *Social-technical integration framework on ICT readiness for primary schools* (at Kibabii University College)
7. Rono L. (2015). *A requirements elicitation model for diverse user groups of University software.* (at Masinde Muliro University of Science and Technology)
8. Odawa J. (2013). *The contribution of process re-engineering to business automation in Kenyan public universities* (at Masinde Muliro University of Science and Technology)

Sign: 

9. 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**)
10. Cheruiyot B. (2012). *Intelligent application of fuzzy logic in credit appraisal in Banks* (at **Masinde Muliro University of Science and Technology**)
Doctor of Philosophy (Information Technology Thesis)

**Submit for
examination
awaiting defense**

1. **Masters of Science (Information Technology Thesis)**
1. **Sabuku D.** *Green ICT adoption framework for Burundi Universities based on power consumption management and personnel capacity* (**Kibabii University (Kenya)**)

**Ongoing
Supervision
Postgraduate
work**

Doctor of Philosophy (Information Technology Thesis)

2019

1. Otieno B. *Modeling innovative features on mobile phone usage patterns amongst university students in Kenya* (**Kibabii University (Kenya)**)

2016

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

2014

3. Njoki M. *Modeling security usability on digital inclusion in E-service provision* (**Kibabii University (Kenya)**)

Masters of Science (Information Technology Thesis)

2020

1. **Mukanda A.** *Modeling User experience with University website attributes based on Webometric ranking user analysis* (**Kibabii University (Kenya)**)

2019

2. **Masika R.** *Users and Managerial practices framework for cloud computing adoption in service delivery by Kenyan Universities* (**Kibabii University (Kenya)**)

2016

3. **Wafula J.** *Users and Managerial practices framework for cloud computing adoption in service delivery by Kenyan Universities* (**Kibabii University (Kenya)**)

**Doctor of Philosophy
Thesis**

2021

1. Batoya I. B. (2021). *Online hotel branding based on the dialogic principles of Internet communication* (**Kibabii University**) (**As Internal Examiner**)
2. Mwai J. K. (2021). *Integration of WEB 3.0 and social media technologies in Government portals for personalized integrated service delivery* (**Kibabii University**) (**As Internal Examiner**)

**Postgraduate
examined thesis**

Sign: 

2020

3. Agbo-Ajala J.O. (2020) *Age-group and gender classification of unfiltered human faces using deep learning* (**University of KwaZulu-Natal, South Africa**) (**As External Examiner**)

2019

4. Owoche P. O. (2019). *Online hotel branding based on the dialogic principles of Internet communication* (**Kibabii University**) (**As Internal Examiner**)
5. Barasa W. S. (2019). *Enhanced Network performance metrics for transition from IPv4 to IPv6 networks* (**Kibabii University**) (**As Internal Examiner**)
6. Obare O. E. (2019) *A dynamic framework for evaluating the implementation of green information and Communication Technology: A case of Kenyan Universities* (**Maseno University**) (**As External Examiner**)

2018

7. Obegi M. F. (2018). Success factors for corporates implementing server virtualization Technology by companies listed on the Nairobi Securities Exchange (**Jaramogi Oginga Odinga University of Science and Technology**) (**As external Examiner**)
8. Masese M. N. (2018) *Predicting Mobile Social Software Learnability Based on Analysis of User Interface Features, Program Complexity and Memorability* (**Kibabii University**) (**As Internal Examiner**)

2017

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

2016

13. 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

14. 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**)
15. 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**)

Sign: 

16. 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

17. 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**)
18. 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**)
19. 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

1. Kogei S. K. (2020). A framework for adoption and integration of E-health in maternal health care: A case of sub-county hospitals in Uasin Gishu (**Rongo University**) (**As external Examiner**)

2019

2. Watila J. M. (2019). A framework for the Management of sustainable hardware power quality practices for efficient greener ICT centres (**Kibabii University**) (**As Internal Examiner**)

2018

3. Chekulesi W. A. (2018). Mobile Learning Technology Acceptance Model in public Universities in Kenya (**Kibabii University**) (**As Internal Examiner**)
4. Wafula W. E. (2018) Security Threats and Vulnerabilities Mitigation in Information Systems Security for Kenyan Universities (**Kibabii University**) (**As Internal Examiner**)

2017

5. 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**)
6. Kapukha R. N. (2017). Investigation of determinants of ICT electronic waste management in Public Universities in Kenya (**Kibabii University**) (**As Internal Examiner**)
7. Wamalwa P. (2017). Factors influencing teacher perception towards implementation of SMASSE in Bungoma County (**Kibabii University**) (**As Internal Examiner**)
8. Motende F. M. (2017). SMS based health appointment management application for clientele follow-up: A case of Nuvaring project, KEMRI/CGHR. (**Jaramogi Oginga Odinga University of Science and Technology**) (**As external Examiner**)
9. 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**)

Sign: 

10. 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**)
11. 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

12. Savatia E. (2016). Human Computer Interaction framework for visually challenged students in Kenyan public universities. (**Kibabii University**) (**As internal Examiner**)
13. Muyobo D. K. (2016). Designer's Ontologies and Application Usability Evaluation Framework for Unified Virtual Market Platform. (**Kibabii University**) (**As internal Examiner**)

2015

14. Wanjala K. C. (2015). A framework for information security for Bluetooth enabled phones. (**Masinde Muliro University of Science and Technology**) (**As internal Examiner**)
15. Gathogo B. G. (2015). Impact of Integration of ICT in Secondary Schools in Githunguri District, Kiambu County. (**Mount Kenya University**) (**As external Examiner**)
16. 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**)
17. 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**)
18. 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**)
19. 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**)
20. 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**)
21. 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**)
22. 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

Sign: 

23. 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**)
24. Gonza O. O. (2014). Web based Data collection, transmission and reporting system. (**Jaramogi Oginga Odinga University of Science and Technology**) (**As external Examiner**)
25. 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**)
26. Wangila M. J. (2014). Evaluating preparedness for social networks integration into learning: a case of Inoorero University. (**Kisii University**) (**As external Examiner**)
27. Ogucha J. (2014). Electronic waste management practices on the performance of small and medium enterprises in Kisii County, Kenya. (**Kisii University**) (**As external Examiner**)
28. 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**)
29. 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

30. 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**)
31. 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

Infrastructure Development and Research funds attracted

Year	Position in Project	Responsibilities/Duties	Research/Project Title	Amount
2019	Project Coordinator	Coordinator and Management of the fully funded Scholarship for MSC IT for learners from the rest of East Africa	East African Community and by the Inter University Council of East Africa Master Scholarship at Kibabii University	\$28,000 (Ksh 2.8M)

Sign: 

2018	Project Coordinator and Principal Investigator	Coordinator and Principal Investigator of all activities, led and trained team in writing the proposal; accounting officer and technical reports producer; procuring research equipment	Kibabii University Information and Communication Technology HUB (KICTH): A Research Infrastructure support funding	\$646,000 (Ksh 64.6M)
2017	Researcher and deputy Principal Investigator	Research design, Data Collection, Results presentation, Co-researcher and coordinating three PhD students on the project	A model and Implementation for Internet of Things (IoT) based on Big data Analytics systems for Disaster Predication and Management (A multidisciplinary	\$100,000 (Ksh 10M)
2017	Supervisor	Training PhD student, Ms. Roselida Maroko, on sourcing for research funding, undertaking research and accounting for funding	Utilization of Internet and mobile Technologies for Sustainable Development for Women Entrepreneurs in Rural Areas in Kenya	\$16,000 (Ksh 0.6M)
2016	Supervisor	Training PhD student, Ms. Wechuli Alice Nambilo, on sourcing for research funding, undertaking research and accounting for funding	Social Engineering practices and cyber security modelling for secure mobile banking service provision	\$5,000 Ksh 0.5M)
2016	Supervisor	Training PhD student, Mr. Yonah Etene, on sourcing for research funding, undertaking research and accounting for funding	Computing resources management model for sustainable integration of Information Communication Technology integration in primary schools	\$ 4,000 (Ksh 0.4M)

Sign: 

2016	Supervisor	Training MSc student, Ms. Joy Wafula, on sourcing for research funding, undertaking research and accounting for funding	Users and Managerial practices framework for cloud computing adoption in service delivery by Kenyan Universities	\$1,300 (Ksh 0.13M)
2016	Supervisor	Training MSc student, Mr. Peter W. Simiyu, on sourcing for research funding, undertaking research and accounting for funding	E-waste management system for environmental sustainability in Kenya	\$ 3,300 (Ksh 0.33M)
2015	Supervisor	Training PhD student, Ms. Dorcus Arshley Shisoka, on sourcing for research funding, undertaking research and	A framework for adoption of multimodal biometric security systems in government institutions in Kenya	\$ 4,600 (Ksh 0.46M)
2014	Supervisor	Training PhD student, Mr. Micheal Muchiri, on sourcing for research funding, undertaking research and accounting for funding	Modelling security usability on digital inclusion in E-service provision	\$ 5,000 (Ksh 0.5M)
2012	Principal Investigator	Researcher and accounting	Enhancing Green ICT through alignment of personnel capacity and work place readiness in Kenya	\$ 7,105 (Ksh 0.7105M)
Cumulative Total				Ksh 82.0305M

Grant research proposal that won

Proposals that won regional accolades and funding for Kibabii University

1. Proposal to the Lake Basin Region that won Kibabii University as a centre of excellence in computing in the Lake Region Economic Bloc (2019)
2. Proposal to German Bank (KFW) and East Africa Community for hosting Masters foreign students in the Master of Science in Information technology in East Africa Region (2018)
3. A model and Implementation for Internet of Things (IoT) based on Big data Analytics systems for Disaster Predication and Management (A multidisciplinary research funding project) (2017)
4. Kibabii University Information and Communication Technology Hub (KICTH) to National Research Fund for Institutions Infrastructure support (2017)

Sign: 

Software project involved in	2005 to 2006 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)
Certificates of Merit in Drama	<ol style="list-style-type: none"> 1. 2019 Awarded Merit certificate as Regional Secretary by Kenya National Drama and Film Festival (Bungoma) 2. 2019 Awarded Merit certificate as Choreographer – Cultural and Modern dance at Nationals level by Kenya National Drama and Film Festival (Bungoma) 3. 2019 Awarded Merit certificate as the second runners up best Choreographer – Cultural and Modern dance at Nationals level by Kenya National Drama and Film Festival (Bungoma) 4. 2019 Awarded Merit certificate as Director spoken word / Narrative / Screen Play / Solo verse at Nationals level by Kenya National Drama and Film Festival (Bungoma) 5. 2018 Awarded Merit certificate as Technical Team official by Kenya National Drama and Film Festival (Nairobi) 6. 2018 Awarded Merit certificate as Director Play / Narrative / Mime / solo verse / choral verse / Modern Dance at Nationals level by Kenya National Drama and Film Festival (Nairobi) 7. 2017 Awarded Merit certificate as Director play / solo verse / choral verse at Nationals level by Kenya National Drama and Film Festival (Kisumu) 8. 2016 Awarded Merit certificate as Hall Management official by Kenya National Drama and Film Festival (Meru) 9. 2016 Awarded Merit certificate as coordinator by the University Lake and Nzoia Region of Kenya National Drama and Film Festival (Meru) 10. 2016 Awarded Merit certificate as Best Director play / Narrative / solo verse / choral verse / at Regional level by Nzoia Region (Busia) 11. 2016 Awarded Merit certificate as Director Play / Narrative / Modern dance at Nationals level by Kenya National Drama and Film Festival (Meru) 12. 2015 Awarded Merit certificate as Hall Management official by Kenya National Drama and Film Festival (Nakuru)

Sign: 

13. 2015 Awarded Merit certificate as **Director Play / Narrative / Mime / solo verse / choral verse / Standup Comedy** at Nationals level by Kenya National Drama and Film Festival (Nakuru)
14. 2014 Awarded Merit certificate as **Director Play / Narrative / solo verse / choral verse** at Nationals level by Kenya National Drama and Film Festival (Nyeri)
15. 2013 Awarded Merit certificate as **University Welfare official** by Kenya National Drama and Film Festival (Mombasa)
16. 2013 Awarded Merit certificate as **Director Play** at Nationals level by Kenya National Drama and Film Festival (Mombasa)
17. 2013 Awarded Merit certificate as **Director Narrative** at Nationals level by Kenya National Drama and Film Festival (Mombasa)
18. 2013 Awarded Merit certificate as **Director Mime** at Nationals level by Kenya National Drama and Film Festival (Mombasa)
19. 2011 Awarded Merit certificate as **Director winning Narrative** at Nationals level by Kenya National Drama and Film Festival (Nairobi)
20. 2011 Awarded Merit certificate as **Director Play** at Nationals level by Kenya National Drama and Film Festival (Nairobi)
21. 2010 Awarded Merit certificate as Best **Director Play** at Nationals level by Kenya National Drama and Film Festival (Kisumu)
22. 2010 Awarded Merit certificate as **Director winning Narrative** at Nationals level by Kenya National Drama and Film Festival (Kisumu)
23. 2009 Awarded Merit certificate as **Director Play / Narrative / solo verse / choral verse** at Nationals level by Kenya National Drama and Film Festival (Meru)
24. 2007 Awarded Merit certificate as an **Exemplary artistic director** by Booker Academy
25. 2007 Awarded Merit certificate as **Director Narrative** at Nationals level by Kenya National Drama and Film Festival (Nyeri)

National Awards

Achievements in Drama at the national level

2019

Directed at the Kenya National Drama and Film Festival held at Kibabii University (**Bungoma County**) the winning items listed below:-

- (i). Creative Modern Dance titled “The Razzmatazz” that was third position nationally.
- (ii). Creative Cultural Dance titled “Wambumuli” that was third position nationally.
- (iii). Spoken word titled “Tears of the pen” that was awarded the **best spoken word item on clean content**
- (iv). Play titled “Uongozi uozo” that was awarded the Best item on human rights

2018

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

Sign: 

- (i). Play titled “The red Scorpion” that was awarded the best item on drug and substance abuse.
- (ii). Modern Dance titled “Talenta- Tammazza” that was position two nationally

2017

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

- (i). Play titled “The ghosts of 2007” that was awarded the **best item on Education**.

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”.
- (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:-

- (i). Play titled “Scandals” that was the **best item exploring social evils in society** award.
- (ii). Choral Verse titled “Tuko tayari” that won the **best item on National Cohesion** award.
- (iii). Solo verse titled “Buibui” that the **runners up** solo verse
- (iv). Solo verse titled “Given legless”
- (v). Narrative titled “Abnormalities”.
- (vi). 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:-

Sign: 

- (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”
- (iii). Solo Verse titled “Tongues and Talons” which was awarded the **Best anti-corruption item**
- (iv). Play titled “Fighting temptations”

2007

Sign: 

(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

1. **2020** Adjudicator Kakamega County Festival (**Primary schools**)
2. **2019** Adjudicator Rift Valley Region Festival (**Secondary schools**)
3. **2018** Adjudicator Coast Region Festival (**Secondary schools**)
4. **2017** Adjudicator Aberdares Region drama festival (**Teacher Training Colleges**)
5. **2017** Adjudicator Western Region drama festival (**Primary**)
6. **2016** Adjudicator Aberdares Region drama festival (**Secondary**)
7. **2015** Adjudicator Vihiga county drama festival (**Primary**)
8. **2014** Adjudicator The Lake Region Festival (**Secondary**)
9. **2013** Adjudicator Vihiga county drama festival (**Secondary**)
10. **2012** Adjudicator Vihiga county drama festival (**Secondary**)
11. **2011** Adjudicator Kakamega district drama festival (**Secondary**)
12. **2010** Adjudicator Lugari district drama festival (**Secondary**)
13. **2009** Adjudicator Hamisi district drama festival (**Secondary**)
14. **2008** Adjudicator Matete Zonal drama festival (**Secondary**)
15. **2007** Adjudicator Bungoma Zonal drama festival (**Secondary**)

Current research / research interest

2011

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

Programme leadership

- (i) Doctor of Philosophy in Information Technology at Kibabii University since 2012
- (ii) Master of Digital Security and Forensics at Kibabii University since 2019

ICT Curriculum development

2019

(i) Participated in the development of the Master of Science in Digital Security and Forensics curriculum of **Kibabii University** (At Senate level)

2018

(ii) Participated in the development of the Master of Science in Computer Science curriculum of **Kibabii University** (Approved by CUE)

2015

Sign: 

- (iii) Review of the Doctor of Philosophy (Information Technology) curriculum of **Kibabii University** (Approved by CUE)
- (iv) Review of the Master of Science (Information Technology) curriculum of **Kibabii University** (Approved by CUE)
- (v) Review of the Bachelor of Science in Information Technology curriculum of **Kibabii University** (Approved by CUE)
- (vi) Review of the Bachelor of Science in Computer Science curriculum of **Kibabii University** (Approved by CUE)

2014

- (vii) 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
- (viii) 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
- (ix) Review of the Doctor of Philosophy (Information Technology) curriculum of **Masinde Muliro University of Science and Technology**
- (x) 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**

1995

Participated in the KCSE computer studies syllabus development at KIE

1994

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

2019

- (i). Programme resource verification at Kirinyaga University, main campus: For Commission for University Education

Consultancy

Sign: 

2018

- (ii). Institution inspection of Kabianga University campus: For Commission for University Education
- (iii). Institution inspection of Laikipia University, main campus: For Commission for University Education
- (iv). Institution inspection of Moi University campus of Nakuru, Kericho and Bomet: For Commission for University Education

2015

- (v). Facilitation at Bungoma County convention whose theme was “Visioning ICT for Bungoma County”

2014

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

2010

- (vii). 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)

1998 to 2009

ICT Examiner out of university

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

Leadership out of the formal work environment and Community Service

1. April 2020 to date: Contribution of Kshs. 4,596/= monthly of my salary towards COVID 19 pandemic contribution
2. Donated masks to my village worth Kshs. 2,500/=
3. October 2018 to Date: Vice Chairman of the Association of Computing Professionals Kenya
4. December 2016 to Date: Founding Chairman of the Thespians Welfare Association (An Association of drama trainers in the whole Republic of Kenya)
5. January 2009 to Date: Chairman of the Kenya National Drama Festival and Film Western Region Universities
6. December 2015 to date: Member of Board of Management: Friends Secondary School, Kuywa
7. Aug 2012 to date: Member of Board of Management: Milo Secondary School
8. 2016 to 2018: Member of Board of Management: St. Luke’s, Kimilili Boys High School
9. Dec 2015 to 2018: Member of Board of Management: Friends Secondary School, Mang’ana
10. 2013-2015: Donated ACM communication Magazines to Kibabii University Library

Sign: 

11. 2005 to date: Elder, CRISCO church

**Interests /
Hobbies**

Preaching the Gospel, researching, systems development, Drama, Volleyball and Management

**Professional
membership**

1. Association of Computing Machines (The highest Computer Science and Information Technology professional body in the world): Professional Membership Number 4240505
2. The Association of International Engineers (Software Engineer) (IAENG): Member No: 145980
3. Association of Computing Professionals – Kenya (KACP) Member No: 0008

Referees

1. Prof. Isaac Odeo Ipara
Vice Chancellor,
Kibabii University,
P.O. Box 1699-50200,
Bungoma.
Mobile Phone 0725429397
2. Prof. Solomon I. Shiabairo
Ag. Vice Chancellor,
Masinde Muliro University of Science and Technology,
P.O. Box 190-50100, Kakamega.
Mobile Phone 0721683509
3. Prof. Samuel Mungai Mbuguah,
Director, Directorate of Information and Communication Technology,
Kibabii University, P.O. Box 1699-50200,
Bungoma. Mobile Phone 0717176356 Email:
smbugua@kibu.ac.ke

Sign: 

Prof. Franklin Wabwoba, PhD (IT)
An Associate Professor of Information Technology

Date: January 26, 2022

Sign: 

Wednesday, January 26, 2022

Page 42 of 42