

**CURRICULUM VITAE
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DATE OF BIRTH	SEX	MARITAL STATUS	NUMBER OF CHILDREN	NATIONALITY	RELIGION
August 14, 1969	Male	Married	Three	Kenyan	Christian

EDUCATION BACKGROUND

INSTITUTION	DATE	QUALIFICATION
Jomo Kenyatta University of Agriculture & Technology (JKUAT)	2003-2007	PhD, Information Technology. Thesis title “ <i>ICT Policy and Strategies: Towards E-Governance and Sustainable Development-The Case of East African Community and Kenya</i> ”
Harvard University Law School	July 2007	Berkman Centre for Internet & Society/Oxford Internet Institute’s Summer Doctoral Programme
University of Cambridge	1997-1998	M.Phil. in Microelectronic Engineering and Semiconductor Physics
University of Nairobi	1993-1997	M.Sc. in Physics-Electronics
Kenyatta University	1989-1992	B.Sc. Science (Hons)–Major Physics and minor in Computer Science
Kakamega High School	1987-1988	A’Level Pass with 3 Principals And one Subsidiary
Kakamega High School	1983-1986	Kenya Certificate of Education Pass with division I of 18 points.
Chesamisi Primary School	1975-1982	Kenya Certificate Primary Education. Pass with 29/36 Points

ADMINISTRATIVE AND MANAGERIAL EXPERIENCE

DATE	TITLE	RESPONSIBILITY
May 2009 to Date	<i>Team Leader, Enterprise Resource Planning(ERP)</i>	<ul style="list-style-type: none"> a) Lead Leader of an ERP implementation experts at JKUAT. b) Organize training of all users on ERP. c) Report to management on all matters regarding ERP implementation
June 2008 to Date	<i>Deputy Management Representative (JKUAT)</i>	<ul style="list-style-type: none"> a) Coordinate ISO 9001:2000 documentation, training and implementation. b) Report to the Management Representative (Deputy Vice Chancellor Administration, planning and Development) on matters regarding ISO Certification process and Quality Management Systems implementation.
July 2008 to Date	<i>Member of Board of Directors JKUAT Alumni and International Students Office (ALISO)</i>	<ul style="list-style-type: none"> a) Advice on ALISO plans and activities b) Guide ALISO management c) Evaluate and approve JKUAT/International student exchange programmes d) Advice Alumni on fundraising.
August 2007 to June 2008	<i>Volunteer Project Manager: ISO Quality Management Systems for JKUAT</i>	<ul style="list-style-type: none"> a) Oversee training of entire university community on quality management systems ISO 9001:2000-Requirements. b) Advice and coordinate Key processes Identification and documentation of Quality manuals. c) Prepare JKUAT for ISO certification
2006	<i>JKUAT Representative: Kenya National ICT Policy Development Workshop</i>	<ul style="list-style-type: none"> a) Inform the ICT policy formulation process from a research perspective b) Represent the academia and JKUAT in the National ICT policy formulation process
2003 to 2005	<i>Director: Institute of Computer Science and Information Technology (ICSIT). JKUAT</i>	<ul style="list-style-type: none"> a) Chairman, Institute of Computer Science and Information Technology Board. b) Chairman, JKUAT ICT policy Development Committee c) Member, JKUAT Senate d) Member, JKUAT Senate's Deans Committee e) Member, JKUAT Senate's Linkages Committee f) Member, JKUAT Research Committee g) Member, JKUAT ICT committee h) Member, JKUAT Quality Control Team i) Member, JKUAT Strategic Plan Development Team j) JKUAT adviser on readiness (Infrastructure/human resource) of both public and private institutions seeking approval to jointly offer Information Technology courses with JKUAT. k) Coordinated and organized workshops for training

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May 2009 to Date	Team Leader, Enterprise Resource Planning(ERP)	<ul style="list-style-type: none"> a) Lead Leader of an ERP implementation experts at JKUAT. b) Organize training of all users on ERP. c) Report to management on all matters regarding ERP implementation
		<p>Instructors on e-learning content development for all Kenya Education network (KENET) member institutions</p> <ul style="list-style-type: none"> l) In charge of university ICT infrastructure planning and development. m) Established a computer assembly division that supplied computers to all departments of the university and with potential of being turned into a full commercial venture. n) Curriculum Development: Justified and developed M.Sc in Policy and Regulations. Reviewed B.Sc Computer Science and Information technology degrees curriculum of JKUAT. Developed and launched B.Sc Computer Technology course. Developed M.Sc Software Engineering course. o) Staff Development: In charge of Reviewing ICT departments establishment and appraisal of technical and teaching staff. p) Developed a five year Strategic Plan for the Institute of Computer Science and Information Technology. q) Involved on behalf of JKUAT in writing proposal documents for sourcing jointly with the University of Sunderland for the Overseas Development Authority/Commonwealth Trust funds towards M.Sc. in Computer Based Information System course. Project succeeded and now in every two years, 20 full scholarships are available to legible Kenyans to pursue this degree locally at JKUAT.
2004	JKUAT Representative: Ministry of Education, Kenya	Appointed by Jomo Kenyatta University of Agriculture and Technology as a representative at the Ministry of Education on the <i>E-Schools joint Initiative Project</i> by both public and Private sector.
2004 to 2005	Consultant: ICT Mainstreaming Research Project for the Ministry of Planning and National Development, Kenya	<ul style="list-style-type: none"> a) Research Team Coordinator for all groups namely: Overview of ICT Initiatives in Kenya; Legal and Regulatory Reforms in Kenya; ICT institutions and organizational Framework in Kenya; ICT and the SME Sector in Kenya and the Development of ICT Indicators for measuring e-readiness of Kenya. b) Consultant specifically on the Overview of ICT Initiatives in Kenya
2001-2003	Coordinator: M.Sc. Management of Information Technology- University of	<ul style="list-style-type: none"> a) Identification of qualified lecturers and recommending for their appointment. b) Linking students and staff with University of Sunderland administration. c) Coordinating and synchronizing events where necessary between the universities.

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May 2009 to Date	<i>Team Leader, Enterprise Resource Planning(ERP)</i>	a) Lead Leader of an ERP implementation experts at JKUAT. b) Organize training of all users on ERP. c) Report to management on all matters regarding ERP implementation
	Sunderland Program	d) Provided feedback to University of Sunderland on all courses undertaken including giving recommendations.
2001-2002	<i>Timetable officer: ICSIT</i>	a) Allocated teaching resources to staff and students b) Assigned lecturers to their respective courses for teaching. c) Advised the Director on status of teaching facilities and how best they could be used. d) Resolved any collision on use of physical facilities
1998-2000	<i>Timetable officer: Physics department</i>	a) Allocated teaching resources to staff and students b) Assigned lecturers to their respective courses for teaching. c) Advised the Chairman of Physics department on status of teaching facilities and how best they could be used. d) Resolved any collision on use of physical facilities

PROFESSIONAL DUTIES RENDERED

DATE	TITLE	RESPONSIBILITY
2007 to Date	Reviewer of the Annual International Conference on Computing and ICT research, Makerere University, Kampala, Uganda.	Review research papers in the field of Information Systems, ICT Policy and Strategies.
2008	M.Sc. External Examiner, Strathmore University	Examine Masters thesis in the field of IT and IS
2008	M.Sc. Internal Examiner, JKUAT	Examine Masters thesis in the field of Software Engineering
2003-2006	M.Sc. Internal Examiner, University of Sunderland	Examine Masters thesis in Management of IT, and Computer Based IS.

ACHIVEMENTS AS DEPUTY MANAGEMENT REPRESENTATIVE JKUAT

1. Identified and documented all key university processes and procedures.
2. Developed JKUAT procedure manual
3. Developed JKUAT quality Manual
4. Implemented a quality management system (QMS) at JKUAT
5. Mainstreamed quality in all JKUAT products and services.
6. Conducted internal audits on the QMS and taken action on non-conformities with ISO 9001:2000-Requirements standard.

- Adequately prepared JKUAT for ISO 9001:2000-Requirements Certification and JKUAT is awaiting a final audit to be done by KEBS.

ACHIVEMENTS AS DIRECTOR OF INSTITUTE OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

- Implementation of Internet services to the entire university
- Introduction and sustenance of credible research culture at the Institute of Computer Science and Information Technology
- Restructuring and re-organization of operations of ICT in JKUAT
- Promote quality service delivery at ICSIT.
- Motivated students and staff by coming up with clear strategic plans for ICSIT and championing for their welfare.
- Increased ICSIT presence internationally by presenting papers and participating in international and regional forums.
- Developed ICSIT M.Sc. program in Software Engineering.
- Liaised with NetTel to introduce an online postgraduate program in ICT Policy and Regulation at JKUAT.
- Integrated ICSIT with the broader functions of the university.

KEY PROJECTS INVOLVED

TITLE	DATE
1. Enterprise Resource Planning (ERP) SAGE ACCPAC software. Implementation at JKUAT	2009
2. ISO Quality Management Systems for JKUAT	2007- to Date
3. Information Communication Technology Status in Public and Private Universities in Kenya Project- A Public Universities	
4. Inspection Board's Project on Quality Assurance	2005-2006
5. Inter-University Council for East Africa (IUCEA) workshop Organization and hosting on ICT Education at EAC universities	2006
6. ICT Mainstreaming Research Project for the Ministry of Planning and National Development.	2005-2006
7. Development of Document Management System and Decision Support Software for Senate and Deans Committee	2004 - 2007
8. Development of software for production of results slips, transcripts, Departmental, Faculty and Senate Examination boards Reports	2004 - 2005
9. JKUAT e-learning platform development	2004
10. JKUAT ICT policy development	2004 -2005
11. East Africa Community, E-government project with Inter-University Council of East Africa (IUCEA)	2003 - 2004
12. Kenya Development Gateway	2004
13. Kenya ICT policy and Strategy: towards e-governance and sustainable development	2003 - 2006
14. Regional M.Sc. in Computer Science curriculum development	2003 - 2004

ADVANCED TEACHING EXPERIENCE

DATE	SUBJECT
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2006 to Date	Policy, Legal and Ethical Issues in ICT
2006 to Date	Object Oriented Software Construction-Java
2007 to Date	Supervising Six M.Sc IT projects
2009	Advanced Information Systems Audit
2009	Business Process Re-engineering and Change Management
2008	Managerial Decision-Making
2008	Web Applications Development
2008	Artificial Intelligence for Decision Support
2008	Advanced Database Systems
2007	Managing Quality in Information Systems
2007	Information Resource Management

CURRENT PUBLICATIONS AND ACADEMIC ACTIVITIES

1. Submitted a paper entitled “**ICT Policy and E-Strategy: Multi-Layered and Networked (MUL_NET) Conceptual E-Strategy Model for Sustainable Development**” to Policy and Internet Journal published by the Berkeley Electronic Press (2009).
2. Contributed a chapter **Tertiary ICT Education in the East African Community (EAC): Human Capital and Curriculum Development** for a book entitled **Strengthening the Role of ICT in Development** edited by Janet Aisbett, Greg Gibbon, Anthony J. Rodrigues, Joseph Kizza Migga, Ravi Nath, Gerald R Renardel . (Fountain publishers, 2008).
3. Contributed a **An Overview of ICT Initiatives in Kenya**” for a book entitled **Mainstreaming ICT: Research Perspectives from Kenya (Mvule publishers, 2007)**. The book is based on the pioneering research coordinated by the Ministry of Planning and National Development from 2004-2006, in collaboration with the International Development Research Centre (IDRC) to support the overall national objective of developing and implementing the Kenya National ICT policy.
4. Contributed a book chapter **Conceptual ICT tool for Sustainable Development: The Community Development Index (CDI)** in a book entitled **Strengthening the Role of ICT in Development** edited by Kizza, Joseph Migga, Jackson Muhirwe, Janet Aisbett, Katherine Getao, Victor W. Mbarika, Dilip Patel Anthony J. Rodrigues. (Fountain publishers, 2007).
5. Contributed a book chapter on **ICT and E-governance in Developing Countries** for a book entitled **Measuring Computing Research Excellence and Vitality** –Edited by Ddembe Williams and Venansius Barymureeba. Fountain Publishers 2006. Kampala. ISBN 13:978-9970-02-592-3.
6. Contributed a book Chapter on **Informing Regional ICT Policy: Case Study of Trends in ICT Indicators of OECD, EU, COMESA and EAC** for a book entitled **Advanced Computer Applications**. Edited by Aisbett, Kizza and Ravi. Fountain Publishers. Kampala. 2006.
7. Contributed a chapter in a book entitled **AT THE CROSS ROADS: ICT POLICY MAKING IN EAST AFRICA** –Edited by Florence Etta and Laurent Elder East African Educational Publishers/IDRC 2005. ISBN 1-55250-219-8
8. Presented paper on **ICT Regulation: Case of Kenya** at the University of Nairobi first international conference on Computing Research held in February 2007 at KCCT Nairobi. The paper discusses fundamental challenges faced by most regulatory bodies such as CCK and issues related to political capture of regulations are also discussed. The paper also discusses attributes of regulatory legitimacy. The paper is intended to stimulate debate on regulatory reform and the accompanying regulatory structures.
9. Contributed a book Chapter on **Informing Regional ICT Policy: Case Study of Trends in ICT Indicators of OECD, EU, COMESA and EAC** for a book entitled **Advanced Computer Applications**. Edited by Aisbett, Kizza and Ravi. Fountain Publishers. Kampala. 2006.

10. Completed a PhD thesis at Jomo Kenyatta University of Agriculture and Technology, Institute of Computer Science and Technology, entitled “*ICT Policy and Strategies: Towards E-Governance and Sustainable Development-A Case of EAC and Kenya*” (2007).

RESENT RESEARCH PAPERS, CONFERENCES AND WORKSHOPS ATTENDED

1. Attended and participated in a **Strategic Planning Workshop** organized by JKUAT on 31st March 2009 held at JKUAT Assembly Hall.
2. Attended and Participated in **Conference on Science, Technology and Innovation** organized by the Ministry of Higher Education-Kenya in collaboration with the government of Japan, held on 27th February 2009 at KICC Nairobi.
3. Presented a paper entitled **Novel Decision Support Tool based on ICT and Social Networks for Sustainable Development** at the 4th International Conference on Technology, Knowledge and Society held between 18th-20th January 2008 in Boston USA.
4. Presented a paper entitled **Kenya ICT Regulations Review and Analysis** at the Oxford Internet Institute Summer Doctoral Programme 2007 held at Harvard Law School.
5. Presented a paper entitled “*E-Transaction ICT Policy Issues for Decision Makers*” at an Electronic transaction Workshop held in Mombasa in November 2006 and organized by the workshop organized by the Kenya E-government Directorate, Office of the President.
6. Presented a Paper entitled “*E-learning Readines Assessment for JKUAT*” at the 2005 JKUAT Scientific, Technological and Industrialization Conference held on 27th- 28th October 2005, Nairobi Kenya.
7. Presented a paper entitled “*Sub-regional ICT Policy: Case of East Africa Community*” co-authored with Prof Anthony Rodrigues of University of Nairobi, at the 1st Annual International Conference and Workshop on Sustainable ICT Capacity in Developing Countries held in August 2005 at Makerere University, Kampala Uganda.
8. Presented a paper on E-Governance at Association of Local Government Authorities of Kenya (ALGAK) Annual General Meeting held between 14th – 17th December, 2004 at Kenya School of Monitory Studies, Nairobi, Kenya
9. Attended and Chaired the final meeting that drafted the Consensus Statement at the East African Regional E-government Strategies Workshop held From 17th to 19th November 2004 at Dar es Salaam, Tanzania
10. Presented a paper entitled ‘*Novel Framework for E-Commerce Diffusion, Adoption and the Supporting Digital Documentation Options*’ in the WAITRO 17th Biennial Congress that was held between 6th –11th September, 2004: Nairobi Kenya on Technology for Sustainable Development.
11. Dar es Salaam, Tanzania from 28th to 30th April, 2004 attended and presented a paper in the *International ICT Workshop: Application of ICT in Enhancing Higher Learning Education* entitled “**Global Knowledge and the Information Society: Illusion or Reality for Developing Countries?**”
12. Attended and elected Chair of the academia at Stakeholders’ workshop for the Kenya Development Gateway held at Kenya School of Monitory Studies on 6th April, 2004
13. Attended Kenya ICT Convention: 23rd to 26th March, 2004
14. DAAD workshop on Research Management: 27th March, 2004. –Presented a paper entitled “*Questionnaire Design for Sample Surveys:: Basic Statistical Analysis Critical Success Factors*”
15. 3rd International Conference on IT for Economic Growth for Africa: 3rd to 5th March, 2004 – presented a paper entitled “*An Integrated Regional ICT Policy: Possible Impact on Information Revolution*”

CURRENT INTERESTS

- 1) To research, formulate and implement ICT policy and Strategies for good governance and sustainable development.
- 2) To apply multidisciplinary skills and practice as a hybrid manager/leader.

CERTIFICATION

1. Certified on May 4th 2007 by Kenya Bureau of Standards as an implementer of ISO 9001:2000 on Quality Management Systems
2. Certified on May 9th 2007 by Kenya Bureau of Standards as a trainer of Trainers on implementation of ISO 9001:2000 on Quality Management Systems
3. Certified e-content development Instructor in 2003 on a course sponsored by USAID/KENET and held at JKUAT.
4. Attended CISCO basic training (2003)

AWARDS

1. June 2007- Awarded on competitive grounds, an Oxford Internet Institute (OII)/Berkman scholarship to attend the OII Summer Doctoral Programme 2007, at The Berkman Center for Internet and Society at Harvard Law School.
2. September 2004- Awarded on competitive grounds, DAAD scholarship to study PhD in Information Technology at JKUAT, Kenya.
3. September 1997- Awarded on competitive grounds, Cambridge Commonwealth Trust full Scholarship to study Master of Philosophy in microelectronic Engineering and Semiconductor Physics at the University of Cambridge, UK.
4. September 1993- Awarded on Competitive grounds, JICA Scholarship to study M.Sc. Physics at University of Nairobi, Kenya.
5. September 1989- Awarded on competitive grounds, GoK Scholarship to study B.Sc. degree at Kenyatta University, Kenya

FELLOWSHIP

On March 20th 1998, the Trustees of the Cambridge Commonwealth Trust admitted me, **Mr. Joseph Muliaro Wafula** of Fitzwilliam College of the University of Cambridge to the status of Fellow of the **Cambridge Commonwealth Society**.

COMMUNITY SERVICE

1. Patron -JKUAT football team currently playing in the national Kenya Football Federation League.
2. Chairman –JKUAT Staff Bible Study Group whose objectives are: Economic, Knowledge, Spiritual and Physical empowerment.

CURRENT REMUNERATION

1. Gross Pay: Ksh 128, 000/=
2. Unlimited medical cover for my immediate family
3. Entitled to 80% discount on university fees for my children studying at JKUAT.

REFEREES

<p>Prof. Anthony J Rodrigues School of Computing and Informatics, University of Nairobi P.O. Box 30197, Nairobi, Kenya</p> <p>Office Tel.: (+254)(20) 4446543/4, 4444919 Mobile Tel.: +254 733969869 FAX: (254)(20) 4447870</p> <p>e-mail address: tonyr@uonbi.ac.ke</p>	<p>Dr. Waweru Mwangi Director Institute of Computer Science and Information Technology, Jomo Kenyatta University of Agriculture and Technology Box 62000 Nairobi, Kenya City Square 00200</p> <p>Office Tel.: +254 67 52244 Mobile Tel.: +254 720965541</p> <p>e- mail Address: waweru_mwangi@jkuat.ac.ke</p>	<p>Prof. S. Uppal Department of Applied Mathematics, Jomo Kenyatta University of Agriculture and Technology Box 62000 Nairobi, Kenya City Square 00200</p>
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