

# CURRICULUM VITAE

## 1.0 PERSONAL DETAILS

<b>NAME</b>	<b>DR. JOHN MUGO KANDIRI</b>
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<b>POSITION</b>	<b>SENIOR LECTURER</b>
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<b>NATIONALITY</b>	<b>KENYAN</b>

## 2.0 BRIEF SUMMARY OF CURRICULUM VITAE

John M. Kandiri is a Senior Lecturer in the department of Computing and Information Technology(CIT), Kenyatta University, Kenya. He holds a PhD in Information Systems, an M.Sc. (Information systems) and BSc.( Information Sciences - IT major) . He is Microsoft Certified Developer (MCP). He has also skills in use of **massive open online course (MOOCs)** a skill he has used to deliver his lectures to his graduate students from Catholic University of Mozambique. His PhD was on Technology Innovation Implementation Effectiveness. In the PhD study data was collected from seven (7) African Universities distributed in six (6) countries. He holds a certificate of Lectureship award from Strathmore University and a Certificate in Applied Research from Steadman (now Synovate Group) Group and also certificate in CASE WRITING.

He has been a member of university ICT board, e-learning board and curriculum development team in the department. Among the curriculum have been involved in development was the Microfinance Diploma ( Management of Information Systems module) currently offered by Strathmore University and whose curriculum development was sponsored by SwissContact (An NGO), and also the Strathmore University's M.Sc. (IT) curriculum. As the departmental chair, he lead in successful review of Computer Science and Bsc. Information Technology curriculum. He also spearheaded the development of departmental strategic plan. He is a curriculum developer with African Virtual University (AVU). With a team comprised of Francophone and Lusophone speakers, the current task with AVU is to come up with database management systems and advanced database systems training modules.

## 3.0 QUALIFICATIONS

### 3.1 Academic Qualifications

<b>YEAR</b>	<b>QUALIFICATIONS</b>	<b>UNIVERSITY</b>
December 2014	PhD – Management Information System	Kenyatta
March 2004	Msc. Information System	Nairobi
December 1998	Bsc – Information Sciences	Moi

### 3.2 Professional Qualifications

YEAR	QUALIFICATION	INSTITUTION
2015 – ongoing	Use of Technology in Teaching and Learning. This is an online course on MOOCs – Massive open online course under African Virtue University. Have completed Module 1	African Virtue University (AVU)
2009	Certificate in Leadership and Management	KU under Regional Centre for Leadership Development
2008	Certificate in lecturership	Strathmore University
2009	Certificate in Applied Research	Synovate Group
2007	Microsoft Certified Professional	Microsoft

### 4.0 EMPLOYMENT HISTORY

YEAR	INSTITUTION	POSITION & DEPARTMENT
Feb 2016 – Date	Kenyatta University	Senior Lecturer, department of Computing and Information technology – CIT
Aug 2008 – Jan 2016	Kenyatta University	Lecturer, department of Computing and Information technology – CIT
Nov 2007 – July 2008	Kenyatta University	Assistant Lecturer, department of Computing and Information technology – CIT
Jan. 2004 – 2007	Strathmore University	Lecturer, Faculty of Information Technology (FIT)
1998 – Dec 2003	Vision Institute of Professionals	Instructor, Diploma in Information Technology

### 5.0 ADMINISTRATIVE AND SOCIAL RESPONSIBILITIES

#### 5.1 University Responsibilities

YEAR	POSITION	ACHIEVEMENTS
June 2015 – Date	KU-IBM Project Coordinator	<ul style="list-style-type: none"> <li>- Worked closely with schools to see interest in IBM training rise</li> <li>- Use of Technology like Google docs to reach students who are the clients here</li> </ul>
Sep 2008 – Oct 2012	Chairman – Department of Computing and Information Technology – CIT	<ul style="list-style-type: none"> <li>- Opened Communication Channels between students and department ;</li> <li>- First to formally introduce lecturers sign sheets and also project evaluation sheets in classes – This was after sensitizing lecturers need to attend classes</li> </ul>

		<p>well;</p> <ul style="list-style-type: none"> <li>- Worked with university management to staff recruitment to meet the teaching needs. Through this the number of part-timers was reduced from about 80% to less than 10%. Students could thus have more access to lecturers;</li> <li>- Worked with staff to see no student was missing graduation due to final year project;</li> <li>- Partnered with Google to have the first Mobile programming training where more than 40 of ;</li> <li>- Oversaw the review of Computer Science Degree to cater for contemporary needs;</li> <li>- Oversaw the rewriting the masters of Information Technology to Masters of Science in Information Technology;</li> <li>- Was able to work closely with the class prefects to ensure students know their rights in class;</li> <li>- Worked with staff to understand need to attend classes and also treat students with respect.</li> </ul>
2008 – 2009	Centre for Entrepreneurship and Enterprise Development	<ul style="list-style-type: none"> <li>- Bided for World Bank Funded CACSE writing training</li> </ul>
2008 – 2013	Team Leader, digitization of past exam papers in the university -	<ul style="list-style-type: none"> <li>- Successfully Recruited staff for the project;</li> <li>- Oversaw training of library staff on need to digitize;</li> <li>- Oversaw the digitization of more than 20,000 past exam papers</li> </ul>
2008 – 2011	ODEL BOARD	<ul style="list-style-type: none"> <li>- Was instrumental in providing much needed feed back in revamping ODEL</li> </ul>

### **5.2 Social Responsibility**

DATE	RESPONSIBILITY	ACHIEVEMENT
JULY 2012 – DATE	- Chairman of the Academic Committee in the Board Of Management , Leshau Boys High School	<p>With other board members and as the academic committee chairman, the following has been achieved:</p> <ul style="list-style-type: none"> <li>- School mean grade has improved to above 8 from below 8;</li> <li>- We have brought together teachers , parents , students and board of</li> </ul>

		<p>management – there is more participation of parents in school affairs than before;</p> <ul style="list-style-type: none"> <li>- I personally advised the board the need to be meeting with class prefects to know issues affecting school;</li> </ul>
2013- Date	<ul style="list-style-type: none"> <li>- CHAIRMAN, UKOMBOZI GREEN GARDEN ESTATE. Has more than 500 members</li> </ul>	<ul style="list-style-type: none"> <li>- With other members we been able to come up with development agenda for the community;</li> <li>- We have seen roads build in estate</li> </ul>
2008 – Date	<ul style="list-style-type: none"> <li>- Been mentoring KCSE candidates in various schools</li> </ul>	<ul style="list-style-type: none"> <li>- One orphan got a A- in KCSE</li> <li>- Another boy got B-</li> <li>- Another boy is in form four</li> </ul>

## 6.0 LATEST UNIVERSITY BOARDS AND COMMITTEES

YEAR	COMMITTEE/BOARD	ACHIEVEMENT
2015 - Date	UNIVERSITY RANKING	<ul style="list-style-type: none"> <li>- In process of working with other members to see university improve in ranking</li> </ul>
2015 - Date	E-WASTE POLICY DEVELOPMENT	<ul style="list-style-type: none"> <li>- Under leadership of dr. Peter K. Kamau, we already have a draft that we finalizing.</li> </ul>
2015 – Date	PRESS MANAGEMENT	<ul style="list-style-type: none"> <li>- This is an ongoing board to review press operations, receive reports and consider policies and strategies for it future</li> </ul>
2014 -2015	INTELLECTUAL PROPERTY RIGHTS BOARD (IPR)	<ul style="list-style-type: none"> <li>- Under the board, we have reviewed more than 10 under the technology category where am an active participant</li> </ul>

## 7.0 PROFESSIONAL WORK

- i. African Virtual University (AVU) Applied Computer Science Module write;
- ii. ICT Consultant at PAMECONSULT, development of an online Monitoring and Evaluation System for Kenya Forest Services (KFS) – Already user training has been done;
- iii. Digitalization of exams past papers, Kenyatta University (Funded by Partnership for Higher Education\_ Education Technology Initiative
- iv. ICT Innovations Judge. – The Next Big Thing . Consortium of Nation Media, Kenyatta University, Climate Innovation Centre and iHub that encourages innovators to submit their proposals and successful ones are funded
- v. ICT Judge – The National Commission for Science, Technology and Innovation (NACOSTI)

- vi. Consultant – Regional Centre for capacity Development (RCCDE) . An institution that trains organisational in professional skills.
- vii. Mentor – Chandaria Business and Innovation Centre (CBIIC) ICT and business incubates.
- viii. Reviewer – African Virtual University Conference Submissions

## 8.0 SELECTED PUBLICATIONS

DATE & Co-authors	TITLE	PUBLISHER
2015, Mtebe Joel (Dar es salam University)	Determinants of Diffusion of Technology Innovations in Higher Education Institutions in Africa: A Social Network Approach	To be published in “The African Journal of Information Systems” . We already submitted reviewer feedback
2014, Nixon Muganda Ochara & Roy Johnson (both Department of Informatics, University of Pretoria, Pretoria, South Africa)	Influence processes of implementation effectiveness in challenged information technology projects in Africa	Information Technology & People Vol. 27 No. 3, 2014
Nixon MUGANDA,	Determinants of Technology Innovation Implementation Effectiveness in Higher Education Institutions	IIMC International Information Management Corporation, 2013 ISBN: 978-1-905824-39-7, Available on IEEE
Nixon MUGANDA	Determinants of Technology Innovation Implementation Effectiveness in Higher Education Institutions	IST-Africa 2013 Conference Proceedings Paul Cunningham and Miriam Cunningham (Eds) IIMC International Information Management Corporation, 2013 ISBN: 978-1-905824-39-7

## 9.0 CONFERENCES AND PRESENTATIONS :

- i. **Kandiri, J. , Wawire, N., Muganda, N. and Nzuki, D (2013)**, Effective Implementation of Technology Innovations in Higher Education Institutions: A Survey of Selected Projects in Africa Universities, 1ST International Conference Of The Avu 20th – 22<sup>nd</sup> Nov, 2013, Intercontinental Hotel; Nairobi, Kenya. <http://www.avu.org/abstracts/effective.htm>
- ii. **May 2013**: Accepted paper in IST-Africa 2013 Conference Proceedings, Determinants of Technology Innovation Implementation Effectiveness in Higher Education Institutions

- iii. June 2008. Presented findings on Viability of full-time Executive MBA to one of the Universities that had commissioned a research on that area;
- iv. 10<sup>th</sup> – 13<sup>th</sup> Dec 2007. Presented a paper of E-Government during the 1<sup>st</sup> International Conference on E-Government in Macao – China;
- v. **7<sup>th</sup> – 8<sup>th</sup> September 2007**. Presented a paper titled *Learning by Doing: Integrating Simulator-Based Learning in academic Networking Course in Higher Learning Institutions*. Paper was presented during the Strathmore University's 8th Annual ICT conference ( Theme Managing and Measuring ICT in Business and Education)
- vi. **Current CASE:** With supervision of Professor Lluís Renart from Spain, am writing an IT case (can also be business case) on Genius Executive Centre (GEC)
- vii. 14<sup>th</sup> – 16<sup>th</sup> March 2007 : 5th Eastern Africa Media Training, Organised by Inter Region Economic Network with theme , Turning African People in to resource, Presented a paper on “*Using Secondary Schools As Catchments for Skilled Software Developers through Adoption of Pedagogies to Foster Interest in Computer Programming: Case Study of Kenyan Computer Studies Training*”
- viii. 5<sup>th</sup> – 7<sup>th</sup> February 2007: 1st International Conference in Computer Science and Informatics ( COSCIT 2007 ) on theme “Bridging the digital divide by realizing Computer Science & ICT research potential” , Nairobi, Kenya , hosted by School of Computing & Informatics, University of Nairobi, Kenya . Held at Kenya College of Communication & Technology (KCCT) Mbagathi where I presented a paper titled “*Teaching pedagogies to foster interest in computer programming in secondary schools*”

## **10.0 GRADUATE STUDENTS SUPERVISION**

### **10.1 PhD**

#### **10.1.1 Completed**

MIIMA, Florence Abuyeka ( 2014) , *integration of information communication technologies in teaching and learning of Kiswahili language in public secondary schools in Kakamega county, Kenya* . Appointed corrections supervisor for the final thesis. Graduated 2014 – Student number E83/21202/010

#### **10.1.2 PhD Ongoing**

Ndung'u Patrick W E83/21202/010, *digital inclusion in developing economies: a review of inclusion efforts in the Kenyan mobile communications industry*. Student in the Department of Educational Communication and Technology, School of Education, Kenyatta University.

**10.2 MASTERS**  
**10.2.1 Completed**

<b>DATE</b>	<b>STUDENT &amp; DEPARTMENT</b>	<b>TITLE</b>
Dec 2015	GATUMUTA, Francis Nduvah (D53/CTY/PT/23933/2013), Management Science	Barriers to Adoption of Business Intelligence Systems in the Banking Industry: A Case of Commercial Banks in Kenya
July 2015	MUTUNGA, J. Kimanthi, Department of History, Archeology and Political Science	Assessment On User Satisfaction In Information Systems In Public Sector: A Case Of Government Human Resource Information System
July 2014	MAKHULO, James Nambusi , Management Science Department	Team Leaders Role in Successful Implementation of Technology in Higher Education Sector ...
Dec 2013	SANA ROUMANI, Department of History, Archeology and Political Science	Implication of Internet Based Technology on Policy Framework and Learning Culture ...

**10.2.2 Ongoing (Selected)**

<b>STUDENT &amp; DEPARTMENT</b>	<b>TITLE</b>	<b>PROGRESS</b>
WAMAI MUIGA JOHN D53/CTY/PT/28425/2013 Management Science	Determinants of Mobile Banking Technology Adoption by Customers of Microfinance Institutions Within Nairobi County	To Graduate July 2015
LEONIDA Chepkorir Soi D53/OL/ 25210/2012	ASSESSMENT OF ICT Utilization in Record Management in Public Secondary Schools in Mombasa County, Kenya	Proposal Stage
AYIEKO, Charles Opiyo	Technology and Compliance to Traffic Legislation by Road Users in Nairobi County	Data Collection
OMUNE Onyando GEORGE (D53/CTY/PT/23993/2013	An Assessment of End User Satisfaction With Hospital Information Systems In Healthcare Service Delivery: A Case of	Proposal Stage

)	Selected Hospitals in Nairobi County, Kenya	
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### 11.0 PROFESSIONAL WORK

YEAR	WHERE	RESPONSIBILITY
Jan 2016 – date	Judge – Total Startupper Innovations	- Judging technology innovations for award
Feb 2013 – Date	Judge – Next Big Thing	- Judging technology innovations for award
2013 - Date	Judge – National Commission for Science, Technology and Innovation	- Shortlisting innovations to be funded by the commission under Technology Category

### 12.0 FUNDED PROJECTS AND ACHIEVEMENTS

YEAR	PURPOSE	BODY	AMOUNT	ACHIEVEMENT
Feb 2011 – 2014	PhD STUDY. Data collection from seven universities participating in the initiative. During the PhD I visited FIVE of the universities that were located in different countries in Africa	- Partnership for Higher Education – Education Technology Initiative (PHEA-ETI). Fund managers, South African Institute for Distance Education - SAIDE	- About 1,000,000	- Graduated in December 2014; - Managed to be graduated on time as per MoU with funding body.
2008 – 2013	PHEA-ETI , team leader in one of the projects in Kenyatta University	- PHEA-ETI	- 3,000,000 for digitization	- Digitized at least 25,000 past exam papers - Acquired servers being used in the university to date
June 2012 – Sep 2012	Mobile programming training	- Google under TIDESFOUNDATION	- <b>235,000</b>	- Trained 48 students on mobile app programming - Bought prizes (mobile phones) for top three students and awarded them - Exposed our students to mobile



				programming , the contemporary skills
2010	Digitization Training	- UNESCO	- 146,120	- Trained Library staff on digitization
2010	Development of an e-police system for Kenya Police	- National Council for Science and Technology. Under Innovation fund	- 700,000	- Developed a e-traffic police system

### 13.0 RECOGNITION

Sep 2012	United Kingdom	- Recognized among the 100 world Computer Science lecturers to attend the Google Summit in UK for one week
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### 14.0 LOCAL, REGIONAL & INTERNATIONAL APPOINTMENTS

YEAR	WHERE	RESPONSIBILITY
2013 – Date	African Virtue University (AVU)	- Development of Module in Applied Computer Science
2012 - Date	Catholic University Mozambique	- Facilitator of the online courses

### 15.0 REFERENCES

NAME	AFFILIATION	CONTACT
Prof. Nixon Muganda	<i>Associate Professor, Department of Informatics, Faculty of Engineering, Built-Environment and Information Technology, University of Pretoria</i>	- <a href="mailto:nixon.muganda@gmail.com">nixon.muganda@gmail.com</a> - +254722883851
Prof. Nelson Wawire,	<i>Associate Professor, Department of Applied Economics, School of Economics, Kenyatta University</i>	- <a href="mailto:wawire.nelson@ku.ac.ke">wawire.nelson@ku.ac.ke</a> - 072-234-7139
Dr. David Nzuki	<i>Lecturer, Department of Management Science, School of Business, Kenyatta University</i>	- <a href="mailto:nzuki.david@ku.ac.ke">nzuki.david@ku.ac.ke</a> - 071-521-9920

Dr. Elizaphan Muuro	<i>Chairman, Department of Computing and Information technology, Kenyatta University</i>	- <a href="mailto:muuro.maina@ku.ac.ke">muuro.maina@ku.ac.ke</a> - 072-250-8793
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