



Curriculum Vitae

Peter Kyalo Mulwa

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Staff Profile: <https://profiles.uonbi.ac.ke/peterkyalo>

Google Scholar: <https://scholar.google.com/citations?user=Ur62DaIAAAAJ&hl=en>

Bio Data

Date of Birth: 12th/10/1978

Marital Status: Married with children

Languages: English, Kiswahili & Kikamba

Career Objective

To be a leading career educationist in Kenya and beyond, who can be able to appropriately embrace new technological changes and tirelessly work in line with the Government's policies towards ensuring that Kenya gets industrialized as the Vision 2030

Key Competencies

- Tertiary teacher trainer at College & University Level
- Curriculum and digital content design and development at college, KICD & university level
- Trainer in Integration of ICT in Education at secondary, college & university level
- Teaching and training in Computer Science, IT and ICT courses at Secondary college & University level
- Research problem formulation, proposal writing, data collection, analysis and report writing
- Trained mentor and Staff Peer-Counselor at university level
- Chairing committees & coordinating activities/events at community & university level
- National Examiner at Kenya National Examinations Council (KNEC)
- ICT management and Technical support at school for private and corporate organizations
- Information Systems analysis, design, development and support
- Strong command in web design & development using HTML, PHP and CMSs
- Computer programming in OOP (C++, C#, JAVA, etc.)
- Computer Network design, installation and implementation
- Advanced skills in database design & development, Desktop Publishing, Graphic design, MS Office, among other office automation tools
- Hosting and conducting Webinars, Online classes and Examinations using Google Meet, Zoom, WebEx, Skype, Imo, etc.
- Project planning and management using project management information systems (PMIS)

Education Background

Date	University/College/School & Certificate/Grade
2017 – Now	University of Nairobi, PhD Candidate in Educational Technology
2008 – 2011	University of Nairobi, Master of Science in Information Systems
2005 – 2007	Kenyatta University, Post-Graduate Diploma in Education (PGDE)– Distinction
1999 – 2003	Kenyatta University, Bachelor of Science (AT), 2 nd Class Honours (Upper)
May 2000 – Sept 2000	Branier Computer College, Diploma in Information Technology
April 1998 – July 1999	Kenya Christian Industrial Training Institute (KCITI), Certificate in Computer Applications and Internet Technology
1994 – 1997	Matinyani Secondary School, Kenya Certificate of Secondary Education – Grade B (Plain)
1985 – 1993	Ngiluni Primary School, Kenya Certificate of Primary Education – Grade (B+)

Published Journal Articles

1. Asewe, G., Origa, J., & **Mulwa, P. K.** (2020). Feedback Provision and Learner Achievement in Mathematics in Secondary Schools in Nairobi County, Kenya. *International Journal of Secondary Education*. Vol. 8, No. 4, 2020, pp. 110-114. doi: 10.11648/j.ijsedu.20200804.11
 2. **Mulwa, P. K.** & Muriithi, E. M. (2018). Influence of Facebook as a Pedagogical Interaction Tool on Learning Outcome among Learners in Secondary Schools in Kenya. **International Journal of Education and Research**. Vol. 6 No. 4. pp19-20. ISSN: 2411-5681
 3. Muriithi, E. M. & **Mulwa, P. K.** (2018). Influence of Teacher Characteristics in Use of Project Method in Teaching Physics in Kenyan Secondary Schools. **International Journal of Innovative Research & Development**. Vole 7. Issue 3. pp.129-134. ISSN 2278 - 0211 (Online).
 4. Mutiso, S. K. & **Mulwa, P. K.** (2018). Agriculture Teachers' Perspectives on Incorporation Of Beneficial Opportunities From Climate Change Topic And The Teaching Methodologies In Secondary School Agriculture In Kenya. **International Journal of Education and Research**. Vol. 6 No. 7. pp25-36. ISSN: 2411-5681
 5. Mutiso, S. K. & **Mulwa, P. K.** (2018). Influence of the Grade Achieved in Agriculture at Kenya Certificate of Secondary Education Examination on Performance in Farming in Kenya. **International Journal of Education and Research**. Vole 7. Issue 7. pp412-422. ISSN 2278 - 0211 (Online).
 6. **Mulwa, P. K.** (2018). Review of E-Government Models Used In Kenya: Case Study of the University of Nairobi, Kenya. **International Journal of Innovative Research & Development**. Vole 7. Issue 7. pp428-434. ISSN 2278 - 0211 (Online).
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7. **Mulwa, P. K.** (2018). Enhancing Web-Based E-Government Models through Integrated Email-SMS Alert System: A Prototype Design, Development & Testing. **The International Journal of Science & Technology. Vole 6. Issue 7. Pp214-222. ISSN 2321 – 919X.**
8. **Mulwa, P. K. & Mutiso, S. K.** (2018). Use of Online Social Networking Platforms to Support Flipped Learning in Public Universities In Kenya: A Students' Perspective. **The International Journal of Humanities & Social Studies. ISSN 2321 – 9203.**
9. Kasey, S. J., Integer, H. N. & **Mulwa, P. K.** (2018). Influence of County Government functions on implementation of ECDE curriculum in Eldora West Sub-County, Uasin-Gishu County, Kenya. **American Journal of Educational Research and Reviews. ISSN: 2474-9265.**

Seminars/Workshops/Conferences Attended & Unpublished Papers Presented

Date	Seminar/Workshop/Conference Attended & Paper Presented
21 st April, 2021	International Webinar Topic: Covid 19 and Homeschooling: An International Perspective. Guest Speaker: Prof. P-o Hansson, Linkonping University, Sweden.
14 th April, 2021	Webinar Topic: Will Virtual Lab Simulations Replace Hands-On Real Labs? Discussants: Dr. Stephanie Duguez, Lecturer in in Stratified Medicine, School of Biomedical Sciences Ulster University, UK and Dr. Khadija Elbedwihy, Prexilabs Founder and CEO.
4 th March, 2021	Webinar Topic: Improving Literacy and Numeracy using the Learning Toolkit Software. Discussants: Prof. J. Gatumu, Chairman Department of Educational Communication and Technology, University of Nairobi; Ms. Rose Imiza, LTK+, African PD Coordinator and Mr. Enos Kiforo, LTK+, African Hub Research Coordinator.
7 th July 2020	Webinar Topic: Pedagogy & Practice in Times of Covid-19: Strategies for Inclusive Teaching Online. Facilitator: Prof. Simon Thompson, University of Sussex, UK. Email: sjt22@sussex.ac.uk.
10 th – 21 st Feb 2020	Computer Science Curriculum Design and Sequencing workshop for Senior Secondary School (Grade 10 – 12) on Competence Based Curriculum (CBC) at Kenya Institute of Curriculum Development
16 th – 20 th December 2019	Training Workshop for Curriculum Designers Panel of Computer Science Subject for Senior Secondary School (Grade 10 – 12) on Competence Based Curriculum (CBC) at Kenya Institute of Curriculum Development
9 th November, 2018	Validation Workshop on Teacher Education Certificate in Education in Emergencies Held at CEES, Kikuyu: participated in validation of the Certificate in Education in Emergencies Curriculum
24 th -26 th October, 2018	First Annual International Conference on Research and Innovation in Education Held at CEES, Kikuyu. Papers Presented and due for publication 1. Mulwa, P. K., Selina J. Kasey, S. J. and Kinyua. G. W. (2018). ICT Integration in Teaching and Learning Competencies among Teachers in Public Early Years Education Centres in Katulani Sub-County, Kitui County, Kenya. The Fountain Journal of Educational Research, University of Nairobi. ISSN: 2079 – 3383.

	<p>2. Kasey, S. J., Integer, H. N. & Mulwa, P. K. (2018). Influence of County Government functions on implementation of ECDE curriculum in Eldora West Sub-County, Uasin-Gishu County, Kenya. American Journal of Educational Research and Reviews. ISSN: 2474-9265.</p> <p>3. Mwanda, S. O. & Mulwa, P. K. (2018). From Formal to Informal: Exploring Utilization of Social Media Platforms for Educational Achievements. The Fountain Journal of Educational Research, University of Nairobi. ISSN: 2079 – 3383.</p>
15th May 2018 - 16th May /2018	Participated in the training workshop on Rapid Outcome Innovation (ROIn) Trainer of Trainers workshop Organised by University of Nairobi
27th February, 2018	Nairobi Innovation Week - organised a successful Panel Discussion which brought together the academia, KICD curriculum experts, students and education stakeholders to discuss the role of universities in the implementation of 2-6-3-3 competency-based curriculum & aligning of university academic programmes to the new curriculum
7th Feb 2018	Attended as a participant in the training workshop on Innovation for the Deans/Directors/Champions – Becoming an Innovation Champion
23rd -27th Nov 2015	Scientific Communication Workshop Held at Kenyatta University Nairobi Unpublished Paper Presented: Literature Searches: Making the Best Use of the Internet for Sourcing Scientific Literature, Mulwa Peter Kyalo (UoN)
July 2015	Attended as a facilitator in workshop organised by the Seed Enterprise Management Institute (SEMIS), UoN. I facilitated on Managing seed plan spreadsheet using Microsoft excel 2010 - 2015, http://erepository.uonbi.ac.ke/handle/11295/94269
August 2015	Attended as a facilitator in workshop organised by the Seed Enterprise Management Institute (SEMIS), UoN. I facilitated on ICT Applications in Seed Business Management Data Analysis Using MS Excel Tool, http://erepository.uonbi.ac.ke/handle/11295/94252
Nov 2015	Attended as a facilitator in workshop organised by the Seed Enterprise Management Institute (SEMIS), UoN. I facilitated on Excel Spreadsheets for Marketing & Vital Sales Tracking Tools - Pivot Tables, http://erepository.uonbi.ac.ke/handle/11295/94282
June 2011	Attended Writers' Workshop organized by the Center of Open and Distance Learning (CODL), College of Education and External Studies, University of to develop e-learning materials for Educational Management Information Systems (EMIS) (TAP 503
April 2011	Facilitated training on ICT Integration in Education at SMASSE Inset training Workshop for Kibwezi/Makindu districts held at St. Joseph's Secondary School

Nov 2010	Attended training on Quality Management Systems in a workshop organized by KSC, UoN management for middle level managers in charge of implementing the ISO 9001:2008 standard in the college
2008 – 2010	Attended as a lead trainer for Secondary School Managers on Integration of ICT in Education at different workshops organized by KESI in various centres which included Embu, Kisumu, Mombasa and KESI headquarters at different dates
February 2008	Facilitated the panel comprising of ICT tutors from KSC and KTTC which developed the ICT Integration in Education Curriculum at a workshop organized by Kenya Education Staff Institute (KESI) now Kenya Education Management Institute (KEMI) headquarters in Parklands, Nairobi
May 2007	Attended as a participant in International Conference on e-learning in Africa, Safari Park Hotel, Nairobi
2006 – 2007	Facilitated various workshops organized by the college at different dates for ICT training of the former KSTC lecturers
April 2005	Attended SMASSE In-service Training cycles 1 and 2 at Mulango Girls High School, Kitui District

eLearning Resources Online

1. Lecture notes for TEC 004, TCT 102, TCT 335, TEC 103, TEC 407, TEC 416, LPM 208, TAP 503, TCT 603, TCT 677 & TCT 685 <http://profiles.uonbi.ac.ke/peterkyalo/blog>
2. Module for TAP 503: Introduction to Educational Management Information Systems, <http://multimedia.uonbi.ac.ke/>
3. Presentation on Literature Searches: Making the Best Use of the Internet for Sourcing Scientific Literature, Scientific Communication Workshop Held in Nairobi on 23rd - 27th November 2015, <http://profiles.uonbi.ac.ke/peterkyalo/publications>
4. Presentation on Managing seed plan spreadsheet using Microsoft excel 2010 - Seed Enterprise Management Institute (SEMIS) Workshop, UoN 2015, <http://erepository.uonbi.ac.ke/handle/11295/94269/>
5. Presentation on Excel Spreadsheets for Marketing & Vital Sales Tracking Tools - Pivot Tables - Seed Enterprise Management Institute (SEMIS) Workshop, 2015, UoN, <http://erepository.uonbi.ac.ke/handle/11295/94282/>
6. Presentation on ICT Applications in Seed Business Management Data Analysis Using MS Excel Tools - Seed Enterprise Management Institute (SEMIS) Workshop 2015, UoN, <http://erepository.uonbi.ac.ke/handle/11295/94252/>
7. MSc Project Report: Enhancing Web-based –government Models Through Integrated Email-SMS Alert System, <http://erepository.uonbi.ac.ke/handle/11295/13185>
8. ICT staff training module on Office Automation Tools and Internet & Email, <https://multimedia.uonbi.ac.ke>

Work/Professional Experience

Teaching Experience

Date	Position	Employer	Responsibilities
Dec 2018 – Now	Lecturer	UoN - Department of Educational Communication & Technology	<ul style="list-style-type: none"> – Teaching & examining diploma, undergraduate and Masters Courses – B.Ed (ICT), B.Ed (Arts), B.Ed (Science), B.Ed (ECE) & Diploma (ECE), M.Ed (Educational Tech) – Setting, moderation, invigilation and marking of examinations – Supervising undergraduate student projects – Supervising undergraduate students on Teaching Practice (TP) – Curriculum design and development – Units taught: TEC 004: Instructional Methods and Media in ECE, TEC 013: Guidance and Counselling in ECE, TEC 023: Research Methods; TCT 102: General Methods of Teaching; TCT 201: Instructional Media & Technology; TCT 335: Instructional Methods (Computer); TEC 103: Child development – 0 to 3 years; TEC 416: HIV/AIDS & Children in Kenya Context; TEC 407: Computer Literacy; TEC 313: Practicum; TEC 411: Research Project; TCT 340/TCT 341: Teaching Practice & TCT 677: Networks for Education, TCT 603: Educational Management Information Systems, TCT 685: Educational Software Development, TCT 672: Electronic Media in

			Education, TCT 679: Online Instruction
			<ul style="list-style-type: none"> – Pursuing my PhD studies and carrying research – Other duties assigned by Chairman
July 2015 – Nov 2018	Tutorial Fellow (TF)	UoN - Department of Educational Communication & Technology	<ul style="list-style-type: none"> – Teaching & examining diploma, undergraduate and Postgraduate students – M.Ed. (Edu. Technology), B.Ed. (ICT), B.Ed. (Arts), B.Ed. (Science), B.Ed. (ECE) & Diploma (ECE) – Setting, moderation, invigilation and marking of examinations – Supervising undergraduate student projects – Supervising undergraduate students on Teaching Practice (TP) – Curriculum design and development – Units taught: TEC 023: Research Methods; TCT 102: General Methods of Teaching; TCT 201: Instructional Media & Technology; TCT 335: Instructional Methods (Computer); TEC 103: Child development – 0 to 3 years; TEC 416: HIV/AIDS & Children in Kenya Context; TEC 407: Computer Literacy; TEC 313: Practicum; TEC 411: Research Project; TCT 340/TCT 341: Teaching Practice & TCT 677: Networks for Education – Pursuing my PhD studies and carrying research – Other duties assigned by Chairman
Oct 2011 – now:	Part-timer	UoN – Department of Educational Administration & Planning	Teaches & Examines: TAP 503, Education Management Information Systems (EMIS)
Sept 2012 – Dec 2015	Part-timer	UoN - Department of	Taught & Examined: AIC 50: Fundamentals of Programming and AIC

		Agricultural Economics	504: Fundamentals of Computing & Networks
May 2012 – Now	Part-timer	UoN – School of Continuing & Distance Education	Teaches and examines LPM 208: Project Management Information Systems
April 2012 – 2015	Part-timer	TUK – Department of Electrical & Electronics Engineering	Taught & examined: EEEE 372/EEEE 473 – Computer Hardware & Maintenance, EAPR 1114/EAPQ 1114 – Introduction to Information Systems
Sept 2012 – 2015:	Part-timer	SEKU - Department of Computer Science & Information Systems	Taught & Examined: DIS 102: Fundamentals of information Systems, BIT 201/CSC 212: Information Systems Analysis & Design, BIT 203: Electronic Commerce, BIT 206: Computer Networking Principles, SCI 104 - Introduction to Database Systems, BIT 101: Introduction to Computer Systems
2010 – 2012	Part-timer	MMU - Faculty of Engineering	Taught & Examined several courses for City & Guilds Advanced Diploma In Telecommunication
June 2006 – Nov 2009	Lecturer	Kenya Science Teachers College (KSTC)	Taught & Examined Computer Science/ICT courses and Computer Studies instructional Methods to teacher trainees and Diploma in IT (KNEC) & Certificate in IT (KNEC)
Feb 2004 – June 2006	Teacher	Mbitini Girls' Secondary School, Kitui	Taught Computer Studies & Physics Forms 1 to 4
July 2003 – Feb 2004	Manager/Trainer	Multimedia Business College, Nairobi	Taught & Examined Various IT courses & managed the college

ADMINISTRATION AND Technical Experience

Date	Position	Employer	Responsibilities
July 2012 – June 2015	Chief ICT Officer	UoN – ICT Centre	Chief ICT Officer in Charge of College of Agriculture and Veterinary Sciences (CAVS) responsible for managing the College ICT unit of the college on behalf of the Director, ICT Centre

June 2010 – March 2012	Senior ICT Officer	UoN – ICT Centre	Chief ICT Officer in Charge at Kenya Science Campus responsible for managing the campus ICT unit on behalf of the Director, ICT Centre
Sept 2007 – March 2012	ICT Officer	UoN – ICT Centre	ICT Officer in Charge at Kenya science Campus responsible for managing the campus ICT unit on behalf of the Director, ICT Centre

Internship / Work Study

Date	Position	Employer	Responsibilities
April 2002 – Aug. 2002	Intern	Solagen Ltd	Technical sales representative, diagnosis, repair and installation of electronic systems and carrying out field/site surveys
May 2001 – Aug. 2001	Assistant Technician	Kenyatta University	On work study responsible for Computer hardware repair & maintenance and general ICT Support
Oct. 2000 - Dec 2000	Instructor	Branier Computer College	Responsible for teaching and examining students on IT courses
April 2000 – July 2000	Computer Lab Attendant	Kenya Christian Industrial Training Institute (KCITI)	Responsible for maintaining computer laboratories and assisting students in trouble shooting during practical sessions

University of Nairobi Leadership Positions Held

Date	Position
2019 - Now	<u>Departmental Level</u>
	Departmental Coordinator: Online Student Applications and Shortlisting Assistant Coordinator: B.Ed. (ECE) Outreach Programme
2017 - now	<u>School/College/University Level</u>
	CEES Representative in the University Show & Exhibitions Committee
	Key Achievements
	i) Nairobi International Trade Fair (NITF)
	a) In 2018 I organised an exhibition of a college project on empowerment of visually impaired youth through use of ICT in which the university was

awarded position one (1) in the category of youth activities, empowerment and mentorship

- b) In 2017 I organised an exhibition of a college project on youth empowerment through Zumba Dance in which the university was awarded position three (3) in the category of youth activities, empowerment and mentorship

ii) University Open Days (2017 & 2018)

- a) Exhibited college research work
b) Marketed college academic programmes
c) Organised successful student mentorship sessions where college lecturers mentored secondary school student attendees of academic matters

iii) 2018 Nairobi Innovation Week (NIW):

- a) Exhibited a college innovation on integration of technology in teaching and learning of learners with visual impairment
b) Organised a discourse that brought together University academia, KICD Curriculum Experts, students and education stakeholders who discussed the role universities in the implementation of the new curriculum and aligning of University academic programmes to the new curriculum
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June 2012 –
June 2015

Chief ICT Officer in Charge – CAVS

Key Achievements

- i) Streamlined ICT support services in the college leading a team of seven (7) ICT officers
ii) Managed the college websites' updates which contributed significantly in top Webometric rankings of the University of Nairobi
iii) Trained Staff on ICT basic skills and updating personal website profiles
iv) Managed design and installation of two modern student computer laboratories in the college
v) Supported the performance contracting (PC) secretariat in the college
vi) Managed design of upgrading of the campus wide optic fibre network backbone
vii) Managed internal computer network extension to various office blocks
viii) Trained new and continuing students on SMIS
ix) Managed the uploading of lecturers' uploading of publications on the University electronic repository sites and google scholar
x) Ably represented the Director (ICT) in the college management board
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2011 - 2015

ICT Officer in Charge of Electronic Tallying of SONU Election Results

Key Achievements

- i) Led a team ICT officer in the electronic tallying of SONU student elections
 - ii) Transmitted SONU election results in various rooms within the campus to contain student unrest during the tallying
 - iii) Prepared tallying report on behalf of the SONU elections Board Chairman
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Sept 2007 –
June 2012

ICT Officer in Charge – Kenya Science Campus**Key Achievements**

- i) Managed ICT support services in the campus leading a team of four members of staff
 - ii) Managed the implemented of the University Management Information Systems at the newly acquired campus
 - iii) Managed the installation of campus fibre network backbone
 - iv) Trained staff on UoN management information systems
 - v) Managed the developed and updating of the campus website
 - vi) Managed the design and implementation of campus wide network (Wired and wireless)
 - vii) Managed design and installation of two modern student computer laboratories in the campus
 - viii) Trained students on use of the SMIS system
 - ix) Ably represented the Director (ICT) in the campus management committees
 - x) Promoted from position of a ICT officer to the position of Chief ICT Officer
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University of Nairobi Appointments

Date	Position Appointed
Nov 2018	Member of a departmental committee spearheading the initiation of a collaboration between University of Nairobi and Africa Community Development Organization (AFRICOD) – a local NGO
June 2018	Member of College Communication, publicity & fund raising committee in preparation for the First Annual International Conference on Research & Innovation in Education
Jan 2018	In-charge of online application, shortlisting and tracking of students applications and SMIS registration at the departmental level
April 2017	College of Education & External Studies (CEES) representative at the University of Nairobi Show & Exhibitions Committee
Jan 2015 – June 2016	Member of a three-member committee that developed training curriculum and training manuals for training University of Nairobi staff on office automation tools, ICTC
Jan 2013 – Jun 2015	Member of the performance contract steering committee of the College of Agriculture and Veterinary Sciences (CAVS)

2008 – 2012	Member of the KSC inspection and acceptance committee
2010 - 2011	Member of technical evaluation, monitoring and implementation committee of the KSC Phase Two Network Project and Fixed Projection System in the 2010/2011 FY in the Science Complex Block

Community Engagement and Leadership

2019 - Now	Vice Chairman of Board of Management (BoM), Kaluki Ngilu Girls' Secondary School in Katulani Sub-count, Kitui County
2017 - Now	Associate Member of Kenya Anglican Men Association (ACK St. Marks, Westlands, Nairobi)
2016 - Now	Chairman & Coordinator of Ndetani Annual Youth Mentorship Programme. Key facilitators invited include Prof. L. Ngesu (SoE – UoN) and Dr. E. Muriithi (SoE – UoN)
2012 - Now	Academic advisor, Ndetani Primary School, Katulani Sub-county, Kitui County
2015/2016 F/Y	Chairman, Finance Committee at ACK St Peters Satellite Parish
2015 – Now	Development Committee Member, ACK St James Ndetani Parish - Kitui
2014/2015 F/Y	Chairman, Church Development Committee at ACK St Peters Satellite Parish

Professional Membership

- Member of the Education Management Society of Kenya (EMSK)

Personal Interests

- Watching & playing football and volleyball
- Reading Science and Technology literatures
- Traveling and making friends

Referees

Prof. Jane Gatumu The Chairman Department of Educational Communication & Technology University of Nairobi Po. Box 30197 – 00100, Nairobi. Mobile: 0722 761 414 Email: odundopaul@yahoo.com	Prof. Lewis Ngesu, Associate Dean, School of Education University of Nairobi P.O Box 30197 – 00100, Nairobi. Mobile: 0722 237 718 Lewis.ngesu@uonbi.ac.ke	Dr. Evanson Muriithi Lecturer Department of Educational Communication and Communication University of Nairobi P.O Box 30197 – 00100, Nairobi. Mobile: 0722 596 684 Email: Evanson.muriuki@uonbi.ac.ke
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