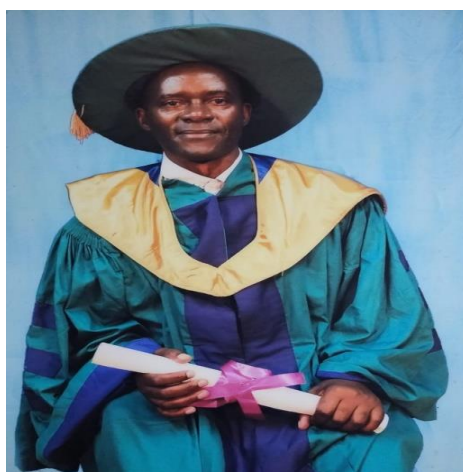


CURRICULUM VITAE



NAME	JASPER MALCOLM ONDULO
CURRENT POSITION	LECTURER
INSTITUTION	MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY
PHYSICAL ADDRESS	KAKAMEGA

PERSONAL DATA	
DATE OF BIRTH	5 TH JANUARY, 1963
PLACE OF BIRTH	NYABONDO, KISUMU COUNTY
NATIONALITY	KENYAN
PROFESSION	ELECTRONICS ENGINEERING/LECTURER
CONTACT ADDRESS	P.O BOX 214 SONDU

1. SUMMARY OF EXPERIENCE
<p>I have an earned PhD in Health Informatics, Masters' in Data Communication, Bachelors of Industrial Engineering, Higher Diploma and Certificates I, II & III in Electronic Engineering; alongside a number of certificates of participation. Besides these, I am a trained and certified CCNA instructor (a CISCO professional networking Course). I have good knowledge of ICT Systems and Networks Administration; establishment and operationalization; management of Academic ICT and Physics Laboratories; Maintenance and Repairs of Electronic equipment; Supervision and training of staff; good knowledge of computer hardware and software configuration and data communications. I am a member of a number of different professional bodies with bias to IT and Electronic Engineering. My career accomplishments span a period of about 36 years of experience and service delivery in diverse domains and environments, as a Technologist and Lecturer; implementing technology projects, developing product requirements, and analysing support strategies and processes to facilitate improved operations and efficiency. I am currently employed at MMUST as a Senior Lecturer; where besides the normal teaching responsibilities, other responsibilities from the school are Schools' Examination Coordinator; School Representative at the University Senate. I have been the lead ICT person in a number of projects we are undertaking in partnerships with external universities and other collaborating organizations/institutions (e.g MMUST/MTRH/USAID collaboration; MMUST/UoN/USAID-partnership; and MMUST/Brandenburg University of Applied Science; German- partnership). Currently working with a group of students to develop a telemedicine diagnostic kit with a focus</p>

to community health. I have won three URF project awards as a principal investigator (PI) and a fourth one as a mentor to a students' innovation project.

CAREER OBJECTIVE

To become a Consultant/Lead researcher in Health Informatics and other related fields of Information and Communication Technology; to train and mentor young professionals in the same fields.

2. EDUCATION

<i>Year (from – to)</i>	<i>Degree, Institution</i>
Jan 2013 to 2018	<i>PhD in Health Informatics, Jaramogi Oginga Odinga University of Science & Technology</i>
Jan 2011 to Aug.2012	<i>Master of Science in Data Communication, KCA University</i>
2005 to 2009	<i>Bachelor of Industrial Technology [BIT] (Electronics Option), Egerton University</i>
1990 to 1992	<i>Higher National Diploma, Industrial Electronics, Mombasa Polytechnic</i>
1985 to 1987	<i>Electrical Engineering Technician Part 1 to 3 (Electronics Option) Mombasa Polytechnic</i>

3. EMPLOYMENT

<i>Years since</i>	<i>Company / Institution</i>
April 2015 to Date:	Masinde Muliro University of Science and Technology, School of Computing and Informatics (Department of Computer Science)
Aug 2012 to 2015 April:	Jaramogi Oginga Odinga University of Science and Technology, School of Informatics & Innovative Systems
Jan 2007 to Jan 2012:	Egerton University, External Studies & Media- (Assistant to director to Director in charge of External studies)
Sept 2005 to 2006	Egerton University (Chuka Campus); Department of Computer Science- Senior Technologist
2005	Kabarak University Physics Department
2002 to 2004	Kabarak University, Computer Science Department,
2000- 2002	Egerton University, Computer Science Department
1988 to 2000	Egerton University, Physics Department,
1987	University of Nairobi, Physics Department,
1986	Intel Kenya Ltd

4. POSITIONS PREVIOUSLY HELD

<i>Year (from – to)</i>	<i>Position, Project / Programme, Company / Institution / Client Description of roles and responsibilities</i>
2021 to Date	Senior Lecturer, School of Computing and Informatics
2015 to 2021	Lecturer, School of Computing and Informatics
2012 to 2015	Assistant Lecturer, School of Informatics and Innovative Systems (SIIS), Jaramogi Oginga Odinga University of Science and Technology
2007 to 2011	Senior Technologist, as well Assistant Coordinator External Studies and Media, Egerton University (Town Campus)
2006	Senior Technologist (Computer Department), Chuka Campus, Egerton University
2005	Senior Technologist, Physics Department, Kabarak University
2003 to 2004	Senior Technologist, Computer Department, Kabarak University
2000 to 2002	Senior Technologist, Computer Department, Egerton University
1988 to 2000	Technologist, Physics Department, Egerton University
1987 to 1988	Technologist, Physics Department, University of Nairobi
1986 to 1987	Trainee Technician (Attachment), Intel Kenya Ltd
1985 to 1986	Trainee Technician (Attachment), Kenya Pipeline Ltd

5. TEACHING RESPONSIBILITY

<i>School/Institute</i>	<i>Class/Discipline</i>
SCI-MMUST	Lecturing at all levels of study at the School, courses related to Computer (IT, Computer Science, and Computer Forensics) with emphasis on the Engineering aspects, Architecture, Organization and Applications; Circuit Theory and Design, Digital Electronics and Logical Functions; Network Design and Implementation; Communication Principles; Cryptography and Network security; Artificial Intelligence, Research Methods, Health Informatics, Biostatistics and Epidemiology, Data Analytics, Computer & Digital Forensics; Computer Networks, and Engineering related courses to other Schools. Coordinating undergraduate projects; teaching postgraduate programmes in IT; supervising both Masters and PhD students in their research studies
SIIS- JOOUST	Lecturing courses related to Computer with emphasis on the Engineering aspects, Architecture, Organization, Security and Forensics Applications; Circuit Theory and Design, Digital Electronics and Logical Functions; Network Design and Implementation; Communication Principles; Cryptography and Network security; Computer and Digital Forensics; etc.

SEDU, SMAS and SBS (JOOUST)	Statistical Computing I and II, and Statistical Analysis with SPSS; E-Commerce and Internet Computing
KISII- Part-Time	Information Systems, Software Process, System Analysis & Design, Data Structure, Software Metrics and Development; Circuit theory & Design; Database Management Systems, etc
MENT (Egerton University)	Teaching Computer Engineering I,II,III, and IV; Physics and Computer Practical; Training of students taking CISCO CCNA programs
TRACOM (Nakuru)	Teaching Computer Repairs and Maintenance; Analogue and Digital Electronics; Communication Principles (City and Guilds Syllabus)
Computer Department (Kabarak University)	Computer Applications and Computer related Practical; Physics and Electronics Practical

6. OTHER LEADERSHIP POSITIONS

<i>Year</i>	<i>Position/Programme/Institution</i>
2022 to Date	Ag. School of Computing and Informatics Associate Dean coordinating Research
2016 to Date	Examination Coordinator, School of Computing and Informatics (SCI)
2016 to Date	Patron of a number of students' clubs e.g. Association of Computing Students, Developers Students Club, HealthIT club and DHIS2 Academy, etc
2017 to 2018	Coordinator and School representative at the Directorate of Postgraduate Board
2016 to Date	Senate representative for School of Computing and Informatics
2013 to 2015	Coordinator (SIIS), Industrial Attachment, Placement and Assessment; Internship Management
2013 to 2015	Assistant Coordinator (SIIS), Time Tabling for Exams and Lectures, Examination Processing- Delivery, Invigilation, Moderation, Re-sits and Results
2013 to 2015	Coordinator (SIIS), Certificate and Diploma Courses

7. OTHER APPOINTMENTS & RESPONSIBILITIES

<i>Year</i>	<i>Position/Programme/Institution</i>

8. RESEARCH ACTIVITIES/PROJECTS(Past and Present)

<i>Years/Duration</i>	<i>Position /Title / Sponsor</i>
2017 to Date	<p>Health Information System Implementation –USAID/UoN/MMUST and 5 other Counties in Western Kenya Region, including: Kakamega; Bungoma; Trans Nzoia, Uasin Gishu and West Pokot Counties- Partnership:</p> <p>Position held: Project Coordinator- The County Proximate University Project Coordinator (PC) is a key role in the Project's activities at the respective University. The PC's efforts serve towards supporting the capacity, institutional building activities and Project institutionalization at the University for both Health Information Systems and Child Protection Information Systems at the sub national levels.</p> <p>Other roles include:</p>

	<ul style="list-style-type: none"> • Playing the role of the Point of Contact (POC) at the University • Anchoring the project within the University and institutionalization of the project activities and learnings. • Serving as the liaison person between the UoN HealthIT Project, the University senior administration, the County Health Management Team (CHMT) at the County Department of Health and the County Department of Child Services to ensure smooth running and execution of project activities within timelines. • Solely responsible for oversight of all the project activities in HIS (health information systems) and CPIMS within the planned timelines. • Solely responsible for accountability. • Identify training needs for University technical teams. • Support the online learning project activity for HIS training. • Support and lead the development of new relevant programs and short courses at the University. • Ensuring that the Work plan activities are aligned to the County Work plan and Priorities. • Support capacity-building efforts towards building a sustainability model. E.g through the development of short courses. • Support the incubation and adoption of solutions generated by interns, hackathons and bootcamps • Disseminate system evaluation/research work outputs through policy and evidence briefs. • Oversee the quarterly and adhoc reports from the various activities in the work plan. • Regularly engage with other Schools and Departments to inform them of the Project activities. • Where possible engage with the Private Sector stakeholders around project activities and key ally. • Participate in the County Leadership Development Groups (LDG) at the County depart of Health. • Advocate for the inclusion of the University in the County Health Management Teams (CHMT) and other relevant forums. • Champion the Journey to Self-Reliance (J2SR) towards county commitments.
2019 to 2020	A member of MMUST/MTRH collaboration team, anchoring the role of IT as an enabler in this project which primarily focused on health.
2018 to Date	A member of MMUST/Brandenburg University of Applied Sciences-German partnership team, leading the role of IT (Telemedicine) in health for sustainable development of rural areas.
2013 to 2018	An Evaluation of E-Health Implementation in Public Healthcare Facilities: A case of Kenya’s Western Region (PhD)- Outputs <ul style="list-style-type: none"> i. A framework for sustainable implementation of e-Health into practice ii. A Unified theoretical framework for eHealth Implementation- Contribution to the body of knowledge
2013 to 2015	An Integrated E-Health System with an Alarm for Effective Monitoring and Management of Healthcare Service Delivery in Public Health Facilities
2012	Optimization of Mobile Ad Hoc Network Efficiency through Rational Energy Consumption (Master Thesis)

2007	Design and construction of Medium Range Frequency Function Generator, (Undergraduate Project)
1998	Analogue to Digital Converter, Agricultural Show of Kenya, Nakuru,
1992	Design and Construction of Digital Meter, (Higher Diploma Project)

9. Key Achievements

1. Championed a working Memorandum of Understanding between University of Nairobi-School of Computing and Informatics (Health IT) and MMUST-School of Computing and Informatics and County Government of Kakamega-CHMT; County Government of Bungoma
2. Through the partnership with USAID/UoN-MMUST and 5 other County Governments, of which I am the project coordinator, SCI has become visible to the county health services and its role is being appreciated and felt, we have had 6 cohorts of interns- being remunerated by the project. Further, I do represent MMUST HealthIT in a TWG and sub-committee meetings spearheading the implementation of EMR and the establishment of IT super highway within the counties. The project is actively involved in the roll out and implementations of EMR within the five Counties. The project has 4 other University staff members with different responsibilities. Other outputs from this project:
 - i. Successfully organized five different Hackathons with the 6th one being planned for mid-June, 2022 as per the objective of the project (**Significance: source of revenue to the university, through conference packages and meals from the IGU- approximately Ksh. 275,000**).
 - ii. Has managed to have 6 cohorts of paid interns/attachees- 3 of these were on 3 months each and the other 3 running for a period of one year each, posted at the County health department;
 - iii. Coordinated the hosting of a number of HealthIT meetings at the University (comprising of diverse staffs from MoH, 6- CHMTs and partnering Universities-County Proximate Universities (CPUs)) **Significance: raised revenue to the University through, conference packages and meals IGU- approximately Ksh. 1.2 Million-**
 - iv. As a programme coordinator, we have managed to extend the projects' areas of operation to four more other Counties besides Kakamega County (Trans Nzoia, Bungoma, West Pokot and Uasin Gishu). I have coordinated the deployment of ICT infrastructure in over 70 health facilities within the Counties of our jurisdiction. With the ICT infrastructure in place, we have

also supported the deployment of EMR in a majority of these facilities. This has been courtesy of the funding and support from USAID through University of Nairobi.

- v. Besides the deployment of the ICT infrastructure and EMR, we have been training and capacity building the healthcare providers from these facilities for full implementation and utilization.
3. In collaboration with School of Medicine (MMUST), School of Public Health and School of Computing & Informatics, we drafted a MoU for the partnership between MTRH and MMUST.
 4. Lead person in the establishment of a working Memorandum of Understanding between AFRALTI and MMUST-School of Computing and Informatics for the Establishment of CISCO Academy in SCI-MMUST.
 5. Coordinated SCI students in the participation at the one-week German-MMUST Telemedicine challenge which took place in MMUST in Nov 2019 to develop prototype solutions for the different challenges.
 6. Has mentored a good number of students in project development and implementation; currently working on a proposal with students to develop and implement a number of projects
 - i. An IOT based Telemedicine toolkit, for rural health data collection.
 - ii. Speech to Text Recognition System-STRS (Transcriber), for people with Hearing Impairment.
 - iii.

12. Other Research Interest Areas (On-going)

- i. Community Health Worker Documentation Board. The focus is on teaching a healthy lifestyle and considering hygiene; expanding CHW's expertise, record and document health data; link the community patient to the next level of care through CHW. An easy-to-use documentation tool needed as a platform to build or anchor a diagnostic kit (*developed a prototype*).
- ii. A healthy farmer is a good farmer. Maintaining health is very important as the well-being of the whole family depends on it. Therefore, we are looking for ways to support the farmers in a healthy way of living and working. This involves a healthy diet, avoiding back pain by carrying loads correctly and much more (*developed a prototype*).

- iii. PT-Tool. Physiotherapists work mainly in the county hospitals and are not to be found in the rural regions. Patients leave the hospital after treatment and can no longer be guided by physiotherapists to do various exercises. They are looking for a tool to support physiotherapists in improving care in rural areas (*developed a prototype*).
- iv. Medical Service Network. In rural areas, it is difficult to provide good medical care. Doctors can be found in the larger cities, but are not always available. There is no way for a patient to find out where and which doctors are currently available and what their specialties are. It also makes sense to include other medical forces in the consideration. A tool is needed where, on the one hand, patients can quickly find out where medical help is available. On the other hand, there should be the possibility to manage medical care (*developed a prototype*).
- v. Telemedicine Diagnostic Kit for Community Health Workers- ongoing project (A collaboration with the German-Team)

8. TRAININGS /WORKSHOPS/SYMPOSIA ATTENDED

1. Participation in a one-week workshop in Brandenburg, Germany, from 23rd to 27th September, 2019 under DAAD programme “Network development and qualification measure based on the model of the German Universities of Applied Sciences with the integrating theme Sustainable Development of Rural Area.” (Presented: ***Leveraging IT in Health for Sustainable Development of Rural Areas: Ondulo J. & Otanga D.;***
E-Agriculture for Sustainable Development of Rural Areas:- Otanga D., & Ondulo J.)
2. Workshop on DHIS2- Health Information System organized by HealthIT, University of Nairobi and Ministry of Health, Egon Hotel, Thika, 18th -22nd December, 2017
3. HACKATHON: 2nd – 4th February 2018 at MMUST.
4. MoH and Universities Health Information Research Consultative Workshop 12th – 13th March 2018 , ACK Guest House, Homabay
5. 2nd -3rd May, 2018 at the Kakamega County Offices. The 3 USAID projects - HIGDA, HealthIT and TK -a review by a team from the USAID HQ
6. HealthIT In county intern Test Environment Training organized by HealthIT, University of Nairobi, Chiromo Campus School of computer science, Nairobi 19th -22nd June 2018
7. HealthIT internship orientation workshop organized by HealthIT, University of Nairobi, ACK guest house, Homabay
8. USAID HealthIT: a two day meeting at HealthIT offices, University of Nairobi Tower, 12th Floor Boardroom on 5th and 6th September 2018 to
 1. Develop Work plans for the University-County HIS Support
 2. Align the work plans with the County Department of Health Work plans
 3. Prioritize county department of health based on the CEC meetings and the Homabay consultative meeting

	<p>9. Research Policy/Evidence Brief Training and Development Workshop as from 25th - 28th September 2018 at Rainbow Ruiru Resort. (Health Informatics Policy/Evidence Brief Training & Development Workshop 25-28 Sep2018.)</p> <p>10. The Ministry of Health, - National Stakeholder's Consultative Review and Validation meeting for National Research for Health Policy and Priorities draft documents 31st January, 2019 at Fair View Hotel in Nairobi.</p> <p>11. Health Informatics Research Meeting Program Dates: 1st February 2019 at HealthIT offices, University of Nairobi Tower</p> <p>12. HIS Priority Areas for the 4 Counties (County Proximate Universities- HealthIT Joint Work Planning Meeting, 8th and 9th February 2019, Maseno University, Kisumu)</p> <p>13. mUzima 3rd Annual Hackathon; Dates: 6th - 8th June 2018, Venue: Masinde Muliro University of Science and Technology</p>
	<ul style="list-style-type: none"> Participated in a workshop on Specification Writing 2nd Dec. 2009
	<ul style="list-style-type: none"> Represented Egerton University in a Workshop at UNISA for Licensees (South Africa) 24th to 29th Nov. 2008
	<ul style="list-style-type: none"> Interfacing of Analog Systems to Computers, Rift Valley Institute of Technology

9. CERTIFICATE OF PARTICIPATION/RECOGNITION

DATE	EVENT
June, 2018	Health Informatics Form Development Hackathon
May, 2018	Workshop on Arduino
March, 2018	Strategic Leadership and Management of Higher Education Institutions
Nov, 2015	Performance Contracting Awareness
June, 2015	1 st JOOUST International Conference, both as a presenter and an organizing committee member
June, 2013	Outstanding participation which enabled JOOUST to awarded 1 st position category at the 2013 ASK Kisumu Regional Show
Dec, 2009	Workshop on Specification Writing
Feb, 1999	Operational training on Physics and Research Equipment
April, 1998	Geophysics Exploration for Groundwater and Minerals

10. MEMBERSHIP TO PROFESSIONAL ASSOCIATIONS /BODIES

	Institute of Electrical and Electronic Engineering (www.ieee.org)- Member,
	Africa Technology Policy Studies (ATPS)- Member
	CISCO- Certified Instructor
	Internet Society (ISOC) Kenya Chapter- Member

11. LANGUAGE PROFICIENCY

<i>English</i>	<i>Proficient in Spoken and Written</i>
Kiswahili	Average in Spoken and Written
Luo	<i>Proficient in Spoken and Written</i>

12. CONFERENCES ATTENDED

6th-8th Jun 2015	<ul style="list-style-type: none"> • JOOUST International Conference- Both as a member of the organizing team and as a presenter
2014	<ul style="list-style-type: none"> • IST Africa- Presented a paper (A Review of Factors Influencing e-Health Adoption in Kenya: Barriers and Facilitators.)
9-12 th Apr. 2013	<ul style="list-style-type: none"> • Humboldt Kolleg/Conference, hosted by Technical University of Kenya. (9-12th Apr. 2013)- Presented a paper (<i>An Evaluation of Mobile Ad hoc Networks for Energy Consumption Optimisation Efficiency in Lowering Greenhouse Effect.</i>)
2012	<ul style="list-style-type: none"> • <i>ATPS Annual Conferences` (Themes: ICT and Agriculture)</i>

13. PUBLICATIONS

- 1 Amuomo N.; **Ondulo J.**; Wagacha P.W.; (2020), Theoretical Underpinnings of eHealth Impact Assessment for Healthcare Service Delivery. (ISSN (Online) 2278-1021, ISSN (Print) 2319-5940, 5940 **International Journal of Advanced Research in Computer and Communication Engineering**, DOI 10.17148)
- 2 **Ondulo J.**; Aduda D.; Rambim D. (2020). Availability and Integration of e-Health Technologies in Routine Service Delivery in Western Kenya. (E-ISSN 2278-1021/ ISSN 2319-5940 **International Journal of Advanced Research in Computer and Communication Engineering**, Vol. 9, Issue 6, June 2020. DOI 10.17148/IJARCCE.2020.9619 112)
- 3 Muganda L., **Ondulo J.** & Rambim D. (2020). Technological Decentralization and Livestock Data Management in Kenya: The Moderating Effect of Blockchain Technology. (E- ISSN 2278-1021/ ISSN 2319-5940**IJARCCE**, Volume 9, Issue 5, May 2020. DOI 10.17148/IJARCCE.2020.9509)
- 4 Rambim D., **Ondulo J.** & Awuor F. (2020). Use of Participatory Approach to Determine adoption of ICTs Agricultural Services. (ISTAfrica paper_ref_129_11072_2020)
- 5 Waliaro D., Omieno K. & **Ondulo J.** (2019). Analysis of Software Quality Models for ERP Software Use in University in Kenya. **International Journal of Advanced Research in Computer and Communication Engineering**. (E-ISSN 2278-1021/ ISSN 2319-5940) **Vol. 8, Issue 10, October 2019 pp 58-60 DOI 10.17148/IJARCCE.2019.81009**
- 6 Shitote S., Omieno K.. & **Ondulo J.** (2018). Investigating optimization Strategies that Determine Performance of CMS Websites in Organizations. **International Journal of Advanced Research in Computer and Communication Engineering**. (E-ISSN 2278-1021/ ISSN 2319 5940) **Vol 7. No.11 November 2018 pp:97-102 DOI 10.17148/IJARCCE.2018.71022**
- 7 **J.M. Ondulo**, D.S. Aduda, B. Estambale, K. Rabah, G. Raburu, R. Omolo, S. Olala, (2014). A Review of Factors Influencing e-Health Adoption in Kenya: Barriers and Facilitators. (IST Africa 2014 Conference Proceedings) (ISBN: 978-1-905824-43-4)
- 8 **J. M. Ondulo**, R. Omolo (2013); Optimization of MANETs Efficiency through Rational Energy Consumption. Lambert Academic Publishing (ISBN: 978-3-659-36989-6)
- 9 R. Omolo, **J.M. Ondulo**, P. Kemei (2013); The Role of ICT in Appreciating Tri-Axis Efforts of Research, Publications and Library Services in Higher Education. (IST Africa 2013 Conference Proceedings) (ISBN: 978-1-905824-38-0)
- 10 **J.M. Ondulo** , D. Williams, (2013); An Evaluation of Mobile Ad hoc Networks for Energy Consumption Optimisation Efficiency in Lowering Greenhouse Effect. (Humboldt Kolleg/Conference Proceedings)

13. Papers aligned for Conference presentation or publications:

1. *Telemedicine and e-Health in rural areas- Accepted for the forthcoming International Conference at MMUST* (Collaboration paper between School of Public Health, School of Informatics and German Brandenburg Team)
2. *A UNIFIED THEORETICAL FRAMEWORK FOR SUSTAINABLE IMPLEMENTATION OF E-HEALTH SYSTEMS IN PUBLIC HEALTHCARE IN DEVELOPING COUNTRIES* (Under Review- for publication)
3. *AN ARCHITECTURAL CONCEPTUALIZATION OF E-HEALTH FRAMEWORK FOR SUSTAINABLE IMPLEMENTATION INTO PRACTICE* (Under Review- for publication)
4. Use of Participatory Approach to Determine adoption of ICTs Agricultural Services- Jasper Ondulo; Dorothy RAMBIM; Fredrick Awuor (ISTAfrica paper_ref_129_11072_2020 to be held in Kampala-Uganda, May 2020)
- 5.

14. SUPERVISIONS				
	NAME	LEVEL & INSTITUTION	THESIS TITLE	STATUS
1	Samuel Shitote Supervisors: Prof. Omieno K & Dr. Ondulo J	MSc , MMUST	Optimization of Content Management System to Improve Website Ranking in Organizations, Kenya	Graduated Dec'18
2	Amuomo Nixon Ochieng, Supervisor: Dr. Ondulo J. & Prof. Wagacha W.P.	PhD , MMUST	Ehealth Readiness Assessment Framework For Public Hospitals In Kenya	Graduated Aug' 2021
3	Leonard Mukhebi Muganda, Supervisors: Dr. Rambim D. & Dr. Ondulo J.	MSc , MMUST	Decentralised Blockchain-Based Data Management In E-Livestock Recording In Kenya	Graduated Dec' 2021
4	Muniko Peter Ayub Supervisors: Dr. Ondulo J. & Dr. Rambim D.	MSc , MMUST	Framework For Bandwidth Management Over Wireless Lan For Improved Performance In Kenyan Universities	Awaiting Submission for examination
5	Metto Shadrack Kimutai Supervisors: Prof. Omieno K. & Dr. Ondulo J.	PhD, MMUST	A Model for Interoperability Architecture in Smart Homes Based on Internet of Things	Awaiting Submission for examination
6	Ayub Hussein Shirandula Supervisors: Prof. Omieno and Dr. Ondulo	PhD , MMUST	Adoption of a Secure Mobile Electronic Health Service with Enhanced Algorithm Case of Level Five Hospital	Defended, doing correction
7	Rawlings Mulongo Supervisors: Dr. Odoyo & Dr. Ondulo	MSc, MMUST	An Evaluation of Cyber – Attack Preparedness Among Kenyan Universities	Proposal

8	Jacky Waburaka Supervisors: Dr. Ondulo J & Prof. Omieno	MSc, MMUST	A framework for eHealth Routinization in public health facilities Kenya	Writing thesis
9	Mr. Dickson Waliaro Supervisors: Prof. Omieno K & Dr. Ondulo J	MSc, MMUST	A Model to Measure Functional Suitability of Educational Software Systems in Kenyan Universities	Graduated Dec' 2020
10	Mr. Benjamin Kiprono Supervisors: Prof. Omieno & Dr. Ondulo	PhD, MMUST	A Model for Adoption Of Disruptive ICT Innovations In Mobile Sector, Kenya	Awaiting Submission for examination
11	Jeremy Murori Arimbi Supervisors: Dr. Otanga D. & Dr. Ondulo J.	PhD, MMUST	An Implementation Framework For Mobile Virtual Network Operators (MVNOs)	Awaiting Submission for examination
12	Stephen Katoto Supervisor: Dr. Ondulo J. & Dr. Ondimu	PhD, MMUST	Leveraging Big Data Analytics to Improve Service Delivery in Public Healthcare Units in Kenya	Proposal
13	Jared Omari Kebiro Supervisors: Dr. Ondulo J. & Dr. Charles Muango	PhD, MMUST	Complexity Metrics for Visually Impaired Assistive Technologies in Mobile Money Systems	Approved for Data Collection
14	Victor Ogai Supervisors: Dr. Ondulo J., & Dr. Odoyo C.	MSc, MMUST	An Optimized Model for Computing Devices to Reduce on Energy Consumption in Institutions Of Higher Learning	Data Collection
15	Laban Oenga Supervisors: Dr. Ondulo J.,	PhD, MMUST	A framework for Big Data Analytics Implementation in Public Healthcare Facilities	Proposal

15. Thesis Examination

I have examined the following Masters and PhD thesis in areas related to Information Technology:-

1. Khanda Jackson (MMUST, 2016)- A Framework for Mobile Payment Adoption in Kenyan Secondary Schools-MSc
2. Dorcas Gicuku Mwirereri(MMUST, 2018)- An Enhanced J48 Algorithm for Breast Cancer Diagnosis-MSc
3. Hillan Rono (MMUST, 2018)- An Interoperability Framework for E-Government Heterogeneous Information Systems, Kenya- MSc
4. Stephen Gitonga Ngure (MMUST, 2019)- Denial of Service Network Intrusion Classification Model- MSc
5. Obadiah Matolo Musau (MMUST, 2019)- Machine Learning Model For Prediction of Students' Academic Performance- PhD

6. Matovu Davis SIT/H/02/2014 (MMUST, 2019)- An Internet of Things Cyber Security Assessment Model and Metrics- PhD
7. Mary Wahome Mwadulo (MMUST- 2020)- An Extended Local Directional Pattern Texture for Mammographic Breast Cancer Classification- PhD

16. OTHER PERSONAL ATTRIBUTES

- i. Team- player, good listener and Self-determination
- ii. Willingness to travel both regionally and internationally.
- iii. Able to establish and maintain professional contacts with relevant people and organizations.
- iv. Ability to think logically and implement solutions to problems.
- v. Good communication in English, spoken and written.
- vi. Excellent interpersonal communication and good personal organization skills, including skills in mentoring and capacity building.
- vii. Good judgment and willingness to take an initiative; Visionary
- viii. Ability to work under pressure often to meet tight timelines without compromising the quality of deliverables. Also willing to soberly face any challenge that may come my way.
- ix. Able to work with minimal or no supervision.

REFEREES

1. Prof. Benson Estambale

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