CURRICULUM VITAE

NAME	JASPER MALCOLM ONDULO
CURRENT POSITION	ASSISTANT LECTURER
INSTITUTION	JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
PHYSICAL ADDRESS	BONDO

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

1. SUMMARY OF EXPERIENCE

A self- motivated person who has risen from a humble background to attain University Education and to the current position. I have good and sound technical training in Industrial Electronics, Computer Hardware and Software Engineering; and Computer Networks besides being a CISCO trained and certified instructor. I have worked as an Electronics technologist in Physics and Computer Laboratories spanning a period of over 25 years from 1987 to 2011 during which period I managed to rise to the level of Senior Technologist in a number of both public and private Universities within the republic. I have good knowledge of ICT Systems and Networks Establishment and Operationalization, management of Academic ICT and Physics Laboratories; ICT Networks and System Administration; Maintenance and Repairs of Electronic equipments; Supervision of Staff and training of staff; good knowledge of computer hardware and software configuration; teaching and examining Informatics, Computer and Electronics Engineering Courses. I am currently employed at JOOUST as an Assistant Lecturer; where besides the normal teaching responsibilities, I am also undertaking a PhD program in Health Informatics. Other responsibilities from the school are: Coordinator Placement, Supervision and Assessment of students on attachment, Coordinator Diploma and Certificate Courses besides assisting in exams and timetabling for the School of Informatics and Innovative Systems. I have been involved in Software Engineering Curriculum development for undergraduate students and Information Technology Curriculum for Diploma students.

2. EDUCATION

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

3. EMPLOYMENT	
Years since	*Company / Institution*
Aug 2012 to Date:	Jaramogi Oginga Odinga University of Science and Technology, School of Informatics & Innovative Systems
Jan 2007 to Jan 2012:	Egerton University, External Studies & Media
Sept 2005 to 2006	Egerton University (Chuka Campus); Department of Computer Science
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	
Year (from – to)	*Position, Project / Programme, Company / Institution / Client* *Description of roles and responsibilities*
2012 to Date	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	
School/Institute	*Class/Discipline*
SIIS- JOOUST	Lecturing courses related to Computer 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; etc.
SEDU, SMAS and SBS	Statistical Computing I and II, and Statistical Analysis with SPSS; E- Commerce and Internet Computing
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	
Year	*Position/Programme/Institution*
2013 to Date	Coordinator (SIIS), Industrial Attachment, Placement and Assessment; Internship Management
2013 to Date	Assistant Coordinator (SIIS), Time Tabling for Exams and Lectures, Examination Processing- Delivery, Invigilation, Moderation, Re-sits and Results
2013 to Date	Coordinator (SIIS), Certificate and Diploma Courses

7. RESEARCH ACTIVITES/PROJECTS(Past and Present)	
Years/Duration	*Position /Title / Sponsor*
2013 to Date	An Integrated E-Health System with an Alarm for Effective Monitoring and Management of Healthcare Service Delivery in Public Health Facilities (PhD Thesis)
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)

8. TRAININGS /WORKSHOPS/SYMPOSIA ATTENDED

- Participated in a workshop on Specification Writing 2nd Dec. 2009
- Represented Egerton University in a Workshop at UNISA for Licensees (South Africa) 24th to 29th Nov. 2008
- Interfacing of Analog Systems to Computers, Rift Valley Institute of Technology

9. MEMBERSHIP TO PROFESSIONAL ASSOCIATIONS /BODIES

Africa Technology Policy Studies (ATPS)- Member
CISCO- Certified Instructor
Internet Society (ISOC)- Member

10. LANGUAGE PROFICIENCY

English	*Proficient in Spoken and Written*
Kiswahili	Average in Spoken and Written
Luo	*Proficient in Spoken and Written*

11. CONFERENCES ATTENDED

9-12th Apr. 2013	- Humboldt Kolleg/Conference, hosted by Technical University of Kenya. (9-12th Apr. 2013)- Presented a paper *(An Evaluation of Mobile Ad hoc Networks for Energy Consumption Optimisation Efficiency in Lowering Greenhouse Effect.)*
2012	- *ATPS Annual Conferences`(Themes: ICT and Agriculture)*

12. PUBLICATIONS

1. **J. M. Ondulo**, R. Omolo (2013); Optimization of MANETs Efficiency through Rational Energy Consumption. Lambert Academic Publishing (**ISBN: 978-3-659-36989-6)**
2. **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**)
3. 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**)
4. **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)

REFEREES

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