



PROFILE SUMMARY

Dr. Daniel Otanga is a Lecturer and also the Dean, School of Computing and Information at Masinde Muliro University of Science and Technology, Kenya. He holds a PhD in Information Technology of Kibabii University). He has MSc in Information Technology and Bachelor of Science in Computer Science from Moi University).

Dr.Otanga has been involved in a number of research projects of ICTs for Development, Information and System Security, Curriculum development for Computer Science, Information Technology and Knowledge Management, E-learning systems among others . Dr Otanga has been involved in preparation of online learning modules currently being used in MMUST. Besides, he has published widely in journals and conference proceedings in Information technology and ICTs for development. He is a professional member of the Computer Industry and Services Association of Kenya. Dr. Otanga has been involved in preparation of International multidisciplinary Conference in MMUST. He is a trustee for MMUST Pension scheme and current chair of the Scheme

PERSONAL INFORMATION

Name:	Dr. Daniel Elfias A.Otanga,(PhD)
Date of birth:	15 th March 1970
Address:	P.O Box 264 Luanda
Cell phone	0722-234554
Marital Status:	Married
Nationality:	Kenyan
Religion:	Christian
e-mail	otanga@mmust.ac.ke

CAREER OBJECTIVES

A highly dedicated, professional and accomplished Computer Science & Information Technology Lecturer, with extensive knowledge of teaching core computer science & IT units. Seeking an academic position as a researcher and lecturer in the field of Computer Science / Technology.

TEACHING PHILOSOPHY

I believe learning should be interesting and that everyone must contribute to the learning process, from the lecturer to the students. I aim to bring an open mind, a positive attitude, and high expectations each day. I hope that I can ultimately inspire and encourage the learner to go beyond their comfort zone.

EDUCATIONAL BACKGROUND

Institution/School

Kibabii University (2013-2016)

Moi University (2009-2013)
Box 3900

Moi university (2003-2005)
Box 3900 Eldoret

KTTC (1996-1998)
Box 44600 Nairobi

Eldoret Polytechnic (1992-1994)
Box 4461 Eldoret

Chesamisi High School (1987-1990)

Ebusakami Primary

Qualification

Ph.D Information Technology

M.Sc Information Technology

B.Sc Computer Science

Diploma Technical Education
(Computer Science)

Higher National diploma
(Computer Studies)

KCSE

KCPE

AREA OF SPECIALIZATION

Computer Networks and information Security
Programming

NON - TEACHING EXPERIENCE

May - July 1993

Kenya Railways Box 30129 Nairobi
Industrial Attachment

Feb 2005 to Sep 2007

Acting Network Administrator (MMUST)

2005-2008: Advice on designing, uploading and maintaining of MMUST Website

Internal quality Auditor (MMUST)

2004-2016: Maintaining MMUST Networks; Configuring and maintaining MMUST
Network and Systems

2011 to date: Internal quality audit functions in the university

PUBLICATIONS AND PAPER PRESENTATIONS

Victor Kadima, Daniel Otanga: Current Trends In Information Technology: Which Way For Modern It Experts, *International Journal of Computer Trends and Technology (IJCTT)* – Volume 68 Issue 7 – July 2020

Mugeni G, Omieno, K, Wabwoba. F, Otanga.D, Karume S, Mabele L: *Determinants for the adoption of internet of things (iot) for flood and drought disaster management in kenya International Scientific Journal Theoretical & Applied Science p-ISSN: 2308-4944 (print) e-ISSN: 2409-0085 (online) Year: 2020 Issue: 09 Volume: 89*

Prestone Simiyu, Samuel Mbugua, Daniel Otanga Security Shortcomings of Electronic Web Based Voting Systems for Universities in Kenya *IOSR Journal of Computer Engineering (IOSR-JCE)* e-ISSN: 2278-0661,p-ISSN: 2278-8727, Volume 21, Issue 5, Ser. II (Sep - Oct 2019), PP 01-09
www.iosrjournals.org

Stephen Ngure Gitonga, ,Otanga Ananda Daniel, Stephen Makau Mutua Machine Learning Model for Denial of Service Network Intrusion Detection: *International Research Journal of Innovations in Engineering and Technology (IRJIET)* Volume 3, Issue 7, pp 22-28, July-2019

Daniel Otanga, Francklin Wabwoba: Evaluation Model for Information Security on Mobile Computing in Universities: *International Journal of Scientific and Education Research* <http://ijsernet.org/> Vol. 2, No. 01; 2018

Daniel Otanga, Samwel Mbugua: Trends in Information System Security in Universities: *International Journal of Innovation Research and Advanced Studies* Volume 4 Issue 11 November 2017

Daniel Otanga, Franklin Wabwoba, Leonard Wamocho: The user's skills, capacity on security for mobile computing in universities: *International Journal of Computer Technology & Applications*, Vol 8(5),622-633, Sept-Oct 2017 www.ijcta.com

Daniel Otanga, Franklin Wabwoba, Leonard Wamocho; Approaches in Information Systems Security in Universities in Mobile Computing Environment; *International Journal of Research in Information Technology* Volume 4 Issue 9 September 2016

Daniel Otanga, Franklin Wabwoba, Leonard Wamocho; Emerging Security Challenges for Information Systems in Mobile Computing Environment in Universities; *International Journal of Research in Information Technology* Volume 4 Issue 9 September 2016

Daniel Otanga, Jairus Odawa, Leonard Wamocho : The Role of Information and Communication Technology in Computing; *International Journal of Information and Communication Technology Research* ,Volume 6 No. 1, January 2016

Otanga Daniel and Gichoya David: Securing the Networked Society; a University case study Approach, international journal of scientific knowledge (IJSK) with ISSN 2305-1493 in Volume 5: Issue 1 May, 2014;

Jairus Odawa Malenje, Daniel Otanga, Franklin Wabwoba Effective Business Process Automation through Process Reengineering: Case of Public a University in Kenya *International Journal of Information and Communication Technology Research* Volume 4 No. 6, June 2014

Omieno Kelvin, Otanga Daniel, Rambim Doroth; Fundamentals of Computing (Module) for ODL

Omieno Kelvin, Otanga Daniel, Rambim Doroth; Computer Applications (Module) for ODL

Tobias Warentho and Otanga Daniel; Business Communication and Information Systems (Module) for Online Distance Learning (ODL)

Otanga Daniel; Computer System Maintenance (Module) for ODL

Paper presentation during the 13th Strathmore University Annual ICT Conference

"ICT AND SOCIETY: ADAPTIVE COMPUTING AND TECHNOLOGIES"

Title: **Shaping the Networked Society; Privacy, Virology and Security issues**

Thesis Supervision (MSC)

Stephen Gitonga: Denial of Service Network Intrusion Classification Model.

Priston Simiyu: Unstructured Supplementary Service Data Technology for Secure Web Based Electronic Voting System

Geoffrey W. Nyongesa: Chatbot Adoption Model for Customer Care Support in Telecommunication Industry (Examination stage)

Thesis Supervision (PhD)

Murori Jeremy Arimbi: An Implementation framework for Mobile Virtual Network Operators (On-going)

Internal Thesis Examination

Kennedy Ondieki Ondimu: (PhD) Resource Perspective-Based Situational Method for Improving Healthcare Business Process

Amos Chege Kirongo: (PhD) A Digital Imaging Model for Plant Stress Detection

Hillan Ronoh: (MSC) An Interoperability Framework for e-government Heterogeneous Information System

Victor Kadima: (MSC) An Assessment Model for Cyber Security Vulnerability in County Government, Kenya

Ngomeh Augustine Wafula Prince: (MSC) Evaluation of Guidelines for Security Threats in Mobile phone Banking

Stella Nafula Khaemba : (MSC) Evaluation of Citizen Readiness for E-Government Systems

Elvis Nashon Mdogo Chamegere: Utilization of Social Media in University students' Elections in Kenya

External Thesis Examination

Ondieki Anderson Rioba: (MSC) Stock Price Prediction using Neural Network Models based on tweets sentiment scores (JKUAT)

Lilian Imali Madivoli : Biometric Template Security Using Steganography (JKUAT)

COURSES/ SEMINARS ATTENDED

Computer maintainance & trouble shooting course

(sponsored by GTZ in Meru Technical College 6th Dec-11th Dec 1999)

Web content development course (sponsored by KENET in Jomo Kenyatta University from 12th Nov to 21st Nov 2001)

Systems administration (linux) & ip address course (sponsored by KENET in Nairobi University from 25th Feb to 8th March 2001)

Web coodinator course (sponsored by KENET in Egerton University 11th -15 March 2002)

Cisco CCNA Course (router/switch configuration & networking)

(Sponsored by KENET in KCCT from 28th-31st January 2003)

Quality management systems (implementation of ISO 9001:2000 seminar **5th-7th June 2006**)

Internal Quality Auditing Course (KEBS) 12th Nov-14th Nov 2007

Quality Management System (Internal Quality Auditing Course) **12th Nov 2007 to 14th Nov 2007**

11th to 22nd January 2010: Capacity Building in Higher Education

Quality Management Systems (ISO 9001:2008 Lead Auditors Course) **4th April 2011 to 8th April 2011**

Transitional change and Impact Awareness Training for Implementers

ISO 9001:2008 Continual Improvement Training Course

15th to 17th January 2014: Quality Management Systems: Internal Quality Auditing based on ISO 9011:2011 Guidelines

23rd to 24th January 2014: University Multiplication Training Workshop on Curriculum Development and Review for Public Universities in Kenya: Implementation and Accreditation

24th June 2014: Curriculum Development Review & Implementation for Faculty of Science

5th to 7th September 2015: Training on Module writing for University wide Courses

30th November to 1st December 2015: Module Writing for **CSC 109 Computer Applications II**

10th to 15th May 2016: Trustee Development program Kenya

26th to 28th March 2018 Strategic Leadership and management of higher Education Institutions

6th to 8th June 2018 Health Informatics Training and Research East Africa for Improved Health Care

31st August to 1st September 2016: ISO 9001:2008 Continual Improvement training Course

22nd August 2018: Transitional Change and Impact Awareness Training for Implementers based on ISO 9001:2015

Common Workshop on Sustainable Development of Rural Areas in Western Kenya: held in Brandenburg (Germany) **23rd to 27th September 2019**

13th Multi-disciplinary International Conference

13th Multi-Disciplinary International Conference 2019 Organizing team

Member Oversight Committee

Member of Scientific Committee (to find plenary Speakers, Organize for review of Abstracts and papers among others)

Administrative Responsibilities

Feb 2019 to date Acting Dean School of Computing and Informatics

January 2017 to Feb 2019: Chairman, Department of Information Technology

2011-2017: Examination Coordinator (Computer Science)

2011-2015: Certificate and Diploma programs Coordinator

Curriculum review for Masters, Bachelors, Diploma and Certificate in Information Technology (continuous)

June 1998 - Feb 2005

Lecturer (WECO) TSC

Sept 1999-Aug 2002

Deputy head of department Maths/Computer

August 2003-Nov 2004

Head of department Maths/Computer (TSC)

Teaching Responsibilities

Sep 2007 to May 2013

Assistant Instructor (Teaching)

May 2013 to November 2016

Assistant Lecturer

November 2016 to date

Lecturer

Membership to Professional Body

Computer Industry and Services Association of Kenya

HOBBIES

Reading IT magazines for latest trends

Researching and Adventuring

Watching football and writing computer Programmes

REFEREES

Dr Kelvin Omieno (0726849197)
Kaimosi University College
Kaimosi

Prof. Thomas Sakwa
MMUST
Kakamega
0721791159

Prof Franklin Wabwoba
Kibabii University
Bungoma
0723844904