CURRICULUM VITAE

Mr. Apollo Madi Waliaro

BSc (JKUAT), MSc (MAKERE), PhD (ON GOING – MMUST)

LECTURER (COMPUTER SCIENCE), AND DIRECTOR (INFORMATION COMMUNICATION TECHNOLOGY)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

 P.O. BOX 190-50100, KAKAMEGA, NAIROBI, KENYA

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1		PERSONAL INFORMATION.	
	a)	**NAME**	Mr. Apollo Madi Waliaro
	b)	**DATE OF BIRTH**	21st April, 1969
	c)	**GENDER**	Male
	d)	**MARITAL STATUS**	Married with eight children
	e)	**PLACE OF BIRTH**	Shibanga Village, Butere Sub-County, Kakamega County
	f)	**SPOKEN & WRITTEN LANGUAGES**	English, Kiswahili and Kiluhya (mother tongue)
	g)	**NATIONALITY**	Kenyan
	h)	**FAITH**	Christian – Anglican Church of Kenya
	i)	**ADDRESS**	
		a) Home Address	Waliaro House, next to freedom apartments, Mwiyala, Kakamega town (Kakamega – Webuye Road)
		Home Email Address	amakhalaa@gmail.com
		Home Phone	0728727228
		b) Work Address	Masinde Muliro University of Science &Technology P.O. Box 190-50100 Kakamega, Kenya
		Work Email Address	awaliaro@mmust.ac.ke
		Work Phone	0728727228
2		**ACADEMIC QUALIFICATIONS**	

	a)	Qualification & Year Awarded	M.Sc (Computer Science), 2009
		Institution & Country	Makerere University, Uganda
	b)	Qualification & Year Awarded	B.Sc (Double Maths, Computer, Physics), 1994
		Institution & Country	JKUAT, Kenya
	c)	Qualification & Year Awarded	Kenya Advanced Certificate of Education, 1989
		Institution & Country	Vihiga High School, Kenya
	d)	Qualification & Year Awarded	Kenya Certificate of Education, 1987
		Institution & Country	Lubinu Secondary School, Kenya
	e)	Qualification & Year Awarded	Certificate of Primary Education, 1983
		Institution & Country	Shibanga Primary School, Kenya
3	**SHORT COURSES**		
	a)	Name of training & Dates	E=Learning course production
		Institution & Country	Kenya Insitute of Administration, Kenya
	b)	Name of training & Dates	Information Security Management System May, 2020
		Institution & Country	MMUST, Kenya
	c)	Name of training & Dates	CUE Curriculum Review and Development : *January 23 & 24,*
		Institution & Country	Masinde Muliro University of Science of Science and Technology, Kenya
	d)	Name of training & Dates	
		Institution & Country	
	e)	Name of training & Dates	
		Institution & Country	
	f)	Name of training & Dates	
		Institution & Country	
4	**PROFESSIONAL /EMPLOYMENT HISTORY**		
	a)	From date – Present	Septermber, 2009 - present
		Current Employer	C
		Current Position	Lecturer, Department of Computer Science

		Position Description	Teaching, Researching and Publishing
	b)	From date – Present	August 7th, 2014 - Present
		Current Employer	Masinde Muliro University of Science & Technology
		Current Position	Director ICT
		Position Description	Integrating ICT into University Functions Securely
	c)	From date – Date	February 2013 – August 6th 2014
		Employer	Masinde Muliro University of Science & Technology
		Position Held	Chairman of Department (Computer Science)
		Position Description	Coordinating departmental activities & Staff
	d)	From date – Date	December 2nd, 2003 – September 2009
		Employer	Masinde Muliro University of Science & Technology
		Position Held	Assistant Lecturer, Computer Science
		Position Description	Teaching, Research and Publishing
	e)	From date – Date	August 31st, 1994 – December 2nd, 2003
		Employer	Teachers Service Commission
		Position Held	Untrained Graduate Teacher
		Position Description	Teaching
	Skills		.Corporate management .post graduate supervision • Handling computer packages of Microsoft word, Lotus, Excel, • programming, ERP implementation • Cloud computing (through dropbox) • Social media: face book, WhatsApp, Linkedln, google hangouts • Able to teach and evaluate learners • Driver, a little mechanics.
5	**MEMBERSHIP**		
	a)	Membership to professional Bodies	Computer Society of Kenya
			Information Technology Association of Kenya
	b)	Board Membership	Chair & Member of Quality Assurance Sub-Committee of Joint Secretariat Committee (in Partnership between ICTA and Institutions of Higher Learning) 19th March 2020
			Chair & Member of Ebwambwa Secondary School, April 2019 to April 2021
			Member of Ebwambwa Secondary School, Kakamega

		County, April 2016 to April 2019
		Member of Lunza Secondary School, Kakamega County, April 2016 to April 2019
	c) Membership to MMUST Committees	i. Chair & Member of MMUST-CFSK steering committee ii. Member of senate iii. Member of deans committee iv. Secretary & Member of ICT-Library Committee v. Chair & Member of ICT staff meetings vi. Member of Computer Science departmental staff meetings vii. Member of School of Computing & Informtics staff meetings viii.
6.	**WORK AND PROFESSIONAL EXPERIENCE**	
	(A)TEACHING EXPERIENCE	
	AT MMUST	
	COURSE	
	Fundamentals of Computing	B.Sc Nursing 2017 – Date B.Sc Global Health & Emporiatrics 2017 – Date B. Sc Occupational Health & Therapy 2019 _ Date B. Sc Health Promotions & Education 2019 – Date B. Sc Clinical Medicine & Surgery 2019 – Date B. Sc Physiotherapy 2019 – Date B. Sc Midwifery 2018 – Date B. Sc SRT 2019 - Date B. Ed Science 2014 -2015 B.Ed Arts 2015 – 2016 B. Sc Computer Science 2004 – 2013
	Software Engineering	B.Sc Computer Science 2014 – Date B. Sc Information Technology 2014 – Date B. Sc Information Systems & Knowledge Management 2016 – Date B. Ed Technology 2017 – Date
	Software Metrics	B.Sc Computer Science 2014 – Date B. Sc Information Technology 2014 – Date B. Sc Information Systems & Knowledge Management 2016 – Date B. Ed Technology 2017 – Date
	Software Development	B.Sc Computer Science 2014 – Date B. Sc Information Technology 2014 – Date

	Data Analysis Techniques	B.Sc Computer Science	2014 – Date
		B. Sc Information Technology	2014 – Date
	Computer Applications	M.Sc Agricultural Information Technology	2018 – 2019
		B.Sc Arts	2009 - 2015
	Software Applications Development	M.Sc Information Technology	2010 – 2014
	Automata Theory	B.Sc Computer Science	2010 – 2014
	Compiler Design	B.Sc Computer Science	2010 – 2014
	Introduction to Spreadsheets & Databases	B.Sc Global Health & Emporiatrics	2018 – Date
	IT & Society	B.Sc Global Health & Emporiatrics	2018 – Date
	AT KAMPALA UNIVERSITY		
	Introduction to Operating Systems	B.Sc Computer Science	2005 - 2006
	Computer Networks	B.Sc Computer Science	2005 - 2006
	AT UGANDA INSTITUTE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	Database management systems	2005 - 2006

7	(B) UNIVERSITY ADMINISTRATIVE ACTIVITIES AND RESPONSIBILITIES IN THE DEPARTMENT, FACULTY AND UNIVERSITY	
	Position	Major Achievements; Highlights
	Director Information Communication and Technology August 2014 - Date	1. Expanded wireless access points from four to 35 2. Introduced ERP Systems to replace manual operations 3. Increased bandwidth from 8mbps in 2014 to 250mbps 4. Increased campus internet connectivity from one campus (Bungoma) to all MMUST campuses namely: Bungoma, Webuye, Nairobi, Kapsabet, Kisumu, Budalangi, Butula, Mumias and Star Annex 5. Introduced Thin Client Technology to promote green computing in 2016 6. Introduced N-Computing Technologies to promote green computing in2017 7. Increased number of Projectors from six to 40 8. Increased the number of ICT staff from six to

		11
		9. Increased the number of servers from six to 21
		10. Introduced smart switches and increased them by 15
		11. Introduced corporate communication through provision of emails to all staff nd students and creating groups such as senate, Deans committee among others.
		12. Segmented the network for staff and students through introduction of VLANS
		13. Negotiated for an improved ICT staff establishment from 23 to 29 staff members
		14. Increased ICT policy guidelines from 14 to 38
		15. Introduced Kerspeskey endpoint Business Select for computer Security
		16. Developed Academic integrity policy for anti-plagiarism
		17. Introduced TURNITIN – a plagiarism checking software from eifel Corp – South Africa
		18. Developed Printers and Copiers rationalization policy
		19. Introduced Electronic Document Management System
		20. Introduced Information Security Management system
	Other responsibilities at Directorate of ICT MMU/COR:311069(347) (16th March, 2021)	1. Member, Tender evaluation Committee (a) (MMU/007/ICT/2020-2021-Supply, Delivery & Installation of Computers & Associated equipment. (b) MMUST/008/SEC/2020-2021 Supply, Delivery, Installation, Maintenance & Servicing of firefighting equipment
	MMU/COR:311069(340) (16th March, 2021)	(c) MMUST/009/ICT/2020-2021- Proposed Structured Networking Works – SPD (d) MMUST/010/ICT/2020-2021 – Consultancy Services to carry out network audit
	CHAIRMAN of Department, Computer Science from February 2013 to July 2014	2. Managed the departments affairs successfully 3. Expanded industrial training program to have more materials for practicals

	Other responsibilities at Department of Computer Science	1. Academic advisor, Year1 2011- 2017 2. Privately sponsored students program (PSSP) departmental representative to the faculty of Science PSSP Board. 2010 - 2012 3. Chairman, Departmental graduate studies committee 2010 -2012 4. Attachment coordinator 2009 - 2011 5. Industrial Training Coordinator 2009 - 2011 6. Team Leader, Information Security Management Systems 2018 - 2020 7. Champion, Information Security Management System 2018 - 2020 8. Project Manager, Electronic Document Management System 2018 - 2020 9. Project Manger, Switches and Servers expansion project 2019 10. Project Manager, Enterprise Resource Planning System for MMUST 2015 - 215
8	**SUPERVISION OF POSTGRADUATE STUDENTS.**	
	Publications	
	1. [1]**Kilwake Juma,** [2]**Matoke Nahason,** [3]**Waliaro Apollo,** [4]**Wanyembi Gregory,** [5]**Ogao Patrick:** Current Status of E-Health in Kenya and Emerging Global Research Trends: *International Journal of Information and Communication Technology Research;Volume 2 No. 1, January 2012* **(ISSN 2223-4985)** 2. Enhancing Information Security Management Systems for Improved Service Delivery in Kenyan Local Authorities. *International Journal of Information and Communication Technology Research.* Volume 5 No. 8, July 2012 **(ISSN 2223-4985)** 3. Critical Success Factors in Enterprise Resource Planning Systems Implementation in Kenyan Universities: *international journal of advanced computer science and Applications, Volume 4 issue 9. September 2013(**ISSN** 2156-5570)* 4. Status of Information Security Management Systems and Influencing Factors in Local Authorities in Kenya. *International Journal of Advanced Computer Science.* Volume 10 no. 5 **(ISSN: 2251-6379**). 5. Khanda Zedekia Jackson, 2 Gilbert Barasa Mugeni, 3 Waliaro M. Apollo (2015). Evaluating Factors Determining Mobile Payment Adoption in Kenyan Secondary Schools *Journal of Emerging Trends in Computing and Information Sciences Vol. 6, No. 10, October 2015 ISSN*	
	Theses supervised and graduated. M. Sc	
	1. A data mining model for small and medium enterprises: a case of Kisumu county – Dwas, S Gilbert: an M.Sc Information Technology student. March, 2013	

	2. Critical Success Factors in Enterprise Resource Planning Systems Implementation in Kenyan Universities. – Koech Charles Cheruiyot: an M.Sc Information Technology student. April, 2011 3. Information Security Systems Model and Influencing Factors in Local Authorities in Kenya. – Motochi Vincent: an M.Sc Information Technology student. July, 2013 4. Virtualization Frameworks: An M.Sc Information Technology Student(MMUST). March, 2021	
	Thesis examined. M. Sc	
	1. "Evaluation of effectiveness of Location based Services in Kenya: A case study of Mobile Network Operators". David Kariuki Githu - An M.Sc Information Technology student thesis. July, 2012 2. "A multi-stakeholder Framework to Evaluate the quality of university websites" Ronald Ochieng' Ojino - David Kariuki Githu - An M.Sc Information Technology student thesis. April, 2013 3. A model for evaluating the total cost of ownership for university enterprise resource planning: a Case of Maseno University by Owoche Patrick Oduor – An M.Sc Information Technology student thesis. September, 2013 4. Factors affecting software project implementation in Public Universities in Kenya. Soita Peter - An M.Sc Information Technology student thesis: October, 2013.	