

Dr. Johnson Mwebaze Curriculum Vitae

Dr. Johnson Mwebaze, 42, is a mathematician and computer programmer based in Uganda, where he is a Director at ICT Consults Ltd, a premier African ICT consulting firm. He is currently a World Bank Consultant in the Social Protection Sector, where his key role is designing and developing Management Information Systems.

Johnson has experience in designing, developing and integrating Mobile Applications with Embedded systems for field data collection and monitoring and has a strong background in designing and implementing solutions for large-scale technical projects – including supervising engineers and software developers and taking charge of responsibility for budgets, contracts and procurement. Johnson has proven experience with M&E methods and approaches for data collection (quantitative, qualitative and participatory); data processing; data analysis and reporting using Python, STATA, Excel & R.

He is a member of the Association of Computing Machinery (ACM) and brings to the project skills and knowledge in information system design and development, programming skills in C, C++, Java, Visual Basic, HeiTML, Prolog, Delphi, Pascal, Qbasic, mobile technologies and JavaScript. He is also experienced in PHP, Application Programming Interfaces (APIs), Software Development Kits (SDKs), Database Development, GIS, Open Street Map, ASP, Perl and VBScript and has worked with MySQL, PostgreSQL, Oracle databases, SQL Server and Microsoft Access for windows.

Dr. Johnson Mwebaze PhD Holds a Ph.D. in Mathematics and Natural Sciences from University of Groningen. He also holds a B.Sc. (Mathematics), M.Sc. in Computer Science and Several other profession Qualifications. He has vast experience in ICT4D and has participated in a number of consultancies a few mentioned below:

- (i) **Consultant & Information Systems Developer EAC:** Scoping, designing and developing the EAC Regional Web-Based Knowledge Management Portal for Sexual Reproductive Health/ Reproductive Maternal New-Born Child and Adolescent Health and HIV/AIDS
- (ii) **Systems Analyst Kenya:** Scoping, designing the Country Social Protection System for use by Kenya Counties to manage government of Kenya County Social Protection Programmes.
- (iii) **Social Registry Consultant Gambia:** Design and development of functional requirements for Gambia's Social Registry and a road map for its development through the following activities: (i) A diagnostic study to identify the information needs and gaps of various stakeholders; (ii) Reconfirm understanding of SR concepts and vision, as well as get agreement on the diagnostic study through a workshop in-country; (iii) Discuss the business specifications and functionalities of SR for the Government, exploring alternatives with degrees of sophistication (and different associated price tags); (iv) Present and validate the proposed design with key stakeholders; and (v) Draw up detailed Business Requirements Document with technical specifications.
- (iv) **GRM Consultant Sierra Leone:** Provision of inputs to the Social Protection Policy Review; (ii) designed & developed the Grievance Redress Mechanism for the Safety

Nets Program; (iii) Designed and implemented human-centric tools for monitoring and collecting grievances at the community level; (iv) Automated field monitoring and corruption reporting activities for the Anti-Corruption Commission; (v) designed and developed the Grievance Redress System and influenced buy-in by ACC. The Grievance Redress System is now currently the main reporting platform for the Anti-Corruption Commission; (vi) Integrated the Single Registry for SSN with the Grievance Redress Mechanisms; (vi) Provided training, capacity building for the IT teams and hand-holding to ensure success of the implementation of IT systems; (v) Developed technical specification and influenced design decisions for the integration of the Grievance Redress Mechanism and the Enterprise Resource (ERP) for ACC; (vi) Technical assistance to enhance the current payment system, particularly to move toward wider use of e-payments. As a first step towards e-payments, he is currently developing a biometric solution for beneficiary authentication and verification before payments; (viii) Expansion of the relevant MIS modules to accommodate changes to the payment system and increase inter-operability with other systems, namely the FM and ID systems; (ix) designing a Data Exchange Platform used to exchange data between Government and stakeholders.

(v) **MIS Consultant Ghana:** Establishment of an independent Single Window Citizens Service for all Social Programs; (ii) scoping, designing and implementation support for the Unified Case Management System; (iii) Implementation of the Helpline of hope Call Centre; (iv) strategic guidance for scaling up the Ghana National Household Registry Management Information Systems; (v) Proposed innovative technologies, new technical and architectural strategies that lead to a paper-less Labor Intensive Public Works Program; (vi) Interpreting data, producing trend and variance analysis, identify issues and make recommendations to government for corrective action and service improvement; (vii) MIS Assessment review and implementation support of the Management Information Systems for Livelihood Empowerment Against Poverty Cash Transfer Program; (viii) Developing GNHR manuals and planning for GNHR data collection and data quality Assessments; (ix) Provided technical advice to project teams in the design and support of SP systems and processes; (x) Knowledge transfer and capacity building for program and MIS staff; (xi) Conducted critical assessments of existing and new tools , processes, and made recommendations to Government including risk assessment; (xii) Provided inputs to the development and implementation of e-payments systems for LIPW and LEAP Programs.

(vi) **MIS Specialist Liberia:** Development of an Integrated Social Protection System on the Liberian Social Safety Nets Project for Liberia including Development of operational Manuals for LSSN, including: The Social Registry Handbook, the Integrated MIS Handbook, Grievance Redress Handbook, Social Registry Monitoring and Evaluation Frameworks, Social Cash Transfer Handbook, Business Process Modelling for the Social Registry and Social Cash Transfer Programs, Development of Technical Specifications for IT Equipment & Software, Data Centre for the Ministry of Gender, Children and Child Protection and the 3rd Party Data Centre, Development of Term of Reference for the Software Development Firm, Data Collection Firm and the Payment Assessment Consultant, Development of the CAPI data collection tools for Liberia

Youth Opportunities Project and the Girls Ebola Recovery Livelihood. Participated in the development of the PMT Questionnaire for data intake.

(vii) Consultant & Information Systems Developer East Africa: Mapping the Economic Context and Needs Assessment for Graduate Education and Training in “Embedded and Mobile Systems” in East Africa. The main objective of this consultancy assignment was to provide a mapping and needs assessment regarding the economic context in the EAC region containing relevant background information for the Centre of Excellence in Information and Communication Technology in East Africa. As the consultant, he provided a mapping on; Private and public sector service providers in the EAC region in the fields of IT, particularly with regards to digitalisation, digital economy, automation and embedded technology (key branches, key players, existing initiatives, projects and platforms for knowledge exchange and innovation); Economic sectors/branches and government or civil society sectors with particular interest and need in IT/automation/embedded and mobile systems; Existing and potential models and modes of cooperation with the private sector regarding the labour market-oriented Master Programme “Embedded and Mobile Systems”; Rough assessment of further training needs in the field of “Embedded and Mobile Systems” for professionals and unemployed graduates (numbers of interested Bachelor graduates and experienced professionals, main areas of training); Potential contributions and collaboration of the private sector regarding the Master’s program “Embedded and Mobile Systems” (first assessment of interest and commitment

He has been involved in developing several information systems, designed and implemented lot of WAN/LAN Networks for various organizations, designed and implemented lot of eLearning projects for various universities and organizations, Social Protection Beneficiary Management, Case Management, Knowledge Management & Representation, Digital Libraries etc. Johnson brings expertise to this assignment in Artificial Intelligence, IT Strategic Planning, Networked Systems, Information Security Management, E-governance, eLearning, ICT Policy Research; Information system design and development.

Name:	DR. JOHNSON MWEBAZE PHD
Nationality:	Uganda
Address & Contacts	P. O. Box 1844, Kampala, Uganda Email: jmwebaze@gmail.com
Professional Summary	Johnson Mwebaze has as Ph.D. in Mathematics and Natural Sciences from University of Groningen. He has vast experience in ICT4D. He is currently the Director ICT & Library Services at Uganda Technology and Management University. He previously served in Makerere University from 2005 to 2012 as the Head of the ICT Support Services at the College of Computing and Information Sciences and prior to that as an elearning administrator. He is also a Director at ICT Consults one of the leading ICT consulting companies in Uganda. He is an experienced ICT4D consultant and has undertaken numerous researches and projects both nationally and internationally. He has been a World Bank Consultant for the last five years. He has been involved in developing several information systems for

	eLearning, Social Protection Beneficiary Management, Case Management, Knowledge Management & Representation, Digital Libraries etc. His research interests include Data Science, learning technologies, knowledge management & representation, Mobile Computing, System Security, Web-based Systems and Mobile Learning.	
Core Qualifications	<ul style="list-style-type: none"> ✓ Extensive expertise in the use of modern technologies to deliver educational services through the use of a blended learning approach. ✓ Strong background in designing and implementing solutions for large-scale technical projects – including supervising engineers and software developers; responsibility for budgets, contracts and procurement, etc. ✓ Successful development and implementation of scalable systems for varying clients, meeting deadlines and budgets. ✓ Proficient with open source software and tools for use in least developed countries for data collection, reporting and analysis. ✓ Proficient in Python, PHP and Java, ✓ Solid leadership skills in supporting and coordinating project activities across a large organization and with other international partner organizations. ✓ Good understanding of development issues, world affairs and current events ✓ Proven ability to interact diplomatically with high-level officials, as well as experience working directly with community-level partners. ✓ Proven skills in negotiation, networking, strategic thinking, and advocacy ✓ Proven ability to conceptualize, plan and execute ideas as well as to transfer knowledge and skills. 	
Education Qualification	Year	Qualification
	(2012)	— Ph.D. from the University of Groningen
	(2004)	— Masters of Science in Computer Science , Makerere University Kampala.
	[2002]	— Post Graduate Diploma in Computer Science , Makerere University Kampala
	[1997]	— Bachelor of Science Degree in Mathematics , at Makerere University
Association with Computer body	<ol style="list-style-type: none"> 1. Member of the Association of Computer Machinery 2. IEEE Computer Society 3. Uganda Computer Society 4. Microsoft .NET User Group – WECA Region 5. I-Network Uganda 6. Linux User Group Uganda 	
Professional Certification	Year	Qualification
	2007	Data Science, Makerere University. Facilitated by John Quinn - Pulse Lab Kampala, Oliver Bent and Simone Fabi - IBM Research Africa, Moustapha Cisse – Facebook and Neil Lawrence - Sheffield University
	2006	System Modeling and Design, Makerere University
	2005	Cisco Certified Network Professional (CCNP) from the University of Central England Birmingham UK
	2005	Cisco certified Security Professional (CCSP), Self-Study and Certification
	2005	Design, administration, installation and Maintenance of Network Systems, from the University of Colombo Sri Lanka
	2005	Bandwidth & Network Optimization, from Makerere University
	2005	Microsoft Certified Professional, Self-Study and Certification

	2004	Monitoring and Evaluation, Uganda Technology & Management University												
	2004	IP Telephony, from the Universitatat Poletanica, Valencia Spain												
	2004	Cisco Certified Academy Instructor from the University of Central England Birmingham UK												
	2004	Microsoft Certified Systems Engineer (MCSE) on Windows 2000 - MCP ID No. 2866304												
	2004	Microsoft Certified Database Administrator (MCDBA) on SQL Server 2000 - MCP ID No. 2866304												
	2004	MCT -Microsoft Certified Trainer - MCP ID No. 2866304												
	2003	Cisco Certified Network Associate (CCNA) Cisco ID: CSC010652329												
Employment Record	Year	Employment												
	2014-date	Lecturer (todate) , Makerere University, College of Computing and Information Sciences and Uganda Technology and Management University.												
		<table border="1"> <thead> <tr> <th>Course ID & Name</th> <th>Topics discussed or Tools used</th> </tr> </thead> <tbody> <tr> <td>Computer Networks</td> <td>Foundations of Networking, theoretical and Practical Aspects</td> </tr> <tr> <td>Advanced Programing</td> <td>Advanced programming concepts using C++, JAVA and Python</td> </tr> <tr> <td>Data Communication & Computer Networks</td> <td>We discuss the fundamentals of data communication networks. One goal is to give some insight into the rationale of why networks are structured the way they are today and to understand the issues facing the designers of next-generation data networks. Much of the course focuses on network algorithms and their performance. Topics discussed include: layered network architecture, Link Layer protocols, high-speed packet switching, queueing theory, Local Area Networks, and Wide Area Networking issues, WireLess and GSM Networking, including routing and flow control.</td> </tr> <tr> <td>Advanced Network Security</td> <td>We discuss and simulate various aspects of network security: Bot and Botnets, DoS attacks, DNS security, Email spam, IP prefix hijacking, Network Intrusion Detection and prevention, On-line Authentication, Phishing attacks, Security inside Cloud, Spyware/Malware, TCP misbehaviors, Web security, and VoIP security</td> </tr> <tr> <td>Network Performance Evaluation</td> <td>We discuss how to select appropriate evaluation techniques, performance metrics and workloads for a system. How to conduct performance measurements correctly?</td> </tr> </tbody> </table>	Course ID & Name	Topics discussed or Tools used	Computer Networks	Foundations of Networking, theoretical and Practical Aspects	Advanced Programing	Advanced programming concepts using C++, JAVA and Python	Data Communication & Computer Networks	We discuss the fundamentals of data communication networks. One goal is to give some insight into the rationale of why networks are structured the way they are today and to understand the issues facing the designers of next-generation data networks. Much of the course focuses on network algorithms and their performance. Topics discussed include: layered network architecture, Link Layer protocols, high-speed packet switching, queueing theory, Local Area Networks, and Wide Area Networking issues, WireLess and GSM Networking, including routing and flow control.	Advanced Network Security	We discuss and simulate various aspects of network security: Bot and Botnets, DoS attacks, DNS security, Email spam, IP prefix hijacking, Network Intrusion Detection and prevention, On-line Authentication, Phishing attacks, Security inside Cloud, Spyware/Malware, TCP misbehaviors, Web security, and VoIP security	Network Performance Evaluation	We discuss how to select appropriate evaluation techniques, performance metrics and workloads for a system. How to conduct performance measurements correctly?
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			<p>Hot to use proper statistical techniques to compare several alternatives.</p> <p>Design measurement and simulation experiments to provide the most information with the least effort.</p> <p>Use simple queuing models to analyze the performance of systems.</p>
		Internet Programming	Focus is on building Web-apps. Tools discussed and used during this course include HTML, CSS, JavaScript, PHP, Ajax, XML, ASP.Net, etc
		Software Metrics	This course is a step by step description of the software metrics. It includes introduction to foundations of measurement theory, models of software engineering measurement, software products metrics, software process metrics and measuring management.
		CCNP	A practical course on Advanced Networking concepts
	2015	The World Bank Group - Short Term Consultant (STC) Key Achievements: Establishment and development of a Registry, the MIS and GRM for Sierra Leone. Development of a proposal for funding the development of an integrated social protection System for Liberia.	
	2014	Uganda Technology & Management University (www.utamu.ac.ug) Director ICT & Library Services Key Achievements: The adoption and use of open source technologies for the provision of systems to support <i>learning, teaching and research</i> . This has been achieved by adopting and customizing the following: (i) KoHa for the provision of an Integrated Library System, we through Koha; (ii) Moodle for the Virtual Learning Environment (VLE); (iii) Googleapps for Lecture Capture/Podcasting; (iv) Apache open meetings for Online Lectures/Webinars/Remote Participation; (v) LDAP/Radius for Network Authentication, and Authorization and (vi) DSpace for managing our digital content. With this we have also developed a web-based in-house Students Registration System and Results Management System	
	2010-date	Makerere University (www.mak.ac.ug) Lecturer, Department of Networks and Software Engineering	
	2010-2013	Head ICT Support Services Unit Makerere University	
	2004-2005	Systems Administrator and eLearning Administrator Makerere University Key Achievements: Implemented virtualization plan, server migrations and work station upgrades therefore eliminating 45% of expenditures in IT budget. Exceeded University's power consumption reduction mandate by 45% through use of terminal server/clients solution based on Solaris Implemented a novel terminal desktop solution to support over 1800 terminals by adapting Sun Ray Server Software (SRSS), which	

		has only been supported on Commercial/ Enterprise versions on UNIX based Operating systems (OS), to support open source Linux, therefore eliminating Licensing costs. Google Apps migration from postfix Mail for all Staff of the College of Computing and IS. Established a Linux certification training program targeted at the private sector, IT Professionals, students, and academics. The main purpose of this program is to help foster the adoption of Open Source Linux Operating System and other applications within industry and academia in Uganda. Played a key role in introducing and implementation of eLearning at Makerere University. <i>As the eLearning Administrator, I introduced eLearning and blackboard to Makerere University.</i>
2005-2008	Road Agency Formation Unit, Ministry of Works and Transport (www.unra.go.ug) - Network Specialist	Key Achievements: The design, & implementation support of all MIS to support Uganda Road Sector.
2004-2005	Century Bottling Company Ltd. (http://www.coca-cola.co.ug/en/home/) - IT Supervisor	Key Achievements: Supporting a multi-location IT infrastructure for over 200 users. Managed IT infrastructure and help desk operations for two plants and 6 regional offices. Development of a System for Asset and inventory management. Designed, procured and supervised the installation of the Wide Area Network of Century Bottling Company
2002-2004	Cisco Regional Coordinator Uganda	<i>Received an Instructor Excellency Award, from Cisco Systems</i> <ul style="list-style-type: none"> ✓ Was charge of CISCO Academy programs in Uganda ✓ Was charge of setting, overseeing and supporting all Cisco Academies in Uganda ✓ Expanded program from 3 academies to 8 Academies in a period of 12 months ✓ CCNI/CCNP/CCNA instructor at the College of Computing and Information Sciences Regional Academy?

Professional Experience	Year	Company & reference	Position	Description
	2018	EAC Secretariat Eng, Andrew Charles acharles@eac.hq.org EAC	Consultant	Scoping, designing and developing the EAC Regional Web-Based Knowledge Management Portal for Sexual Reproductive Health/ Reproductive Maternal New-Born Child and Adolescent Health and HIV/AIDS.
	2018	Development Pathways (UK) Richard Chirchir rchirchir@developmentpathways.co.uk KENYA	Consultant	Scoping, designing the Country Social Protection System for use by Kenya Counties to manage government of Kenya County Social Protection Programmes.

	2018	The World Bank Group Penny Williams <pwilliams4@worldbank.org GAMBIA	Consultant	Design and development of functional requirements for Gambia's Social Registry and a road map for its development through the following activities: (i) A diagnostic study to identify the information needs and gaps of various stakeholders; (ii) Reconfirm understanding of SR concepts and vision, as well as get agreement on the diagnostic study through a workshop in-country; (iii) Discuss the business specifications and functionalities of SR for the Government, exploring alternatives with degrees of sophistication (and different associated price tags); (iv) Present and validate the proposed design with key stakeholders; and (v) Draw up detailed Business Requirements Document with technical specifications. Developed the CAPI Gambia Social Registry Questionnaire
	2018	Development Pathways (UK) Richard Chirchir rchirchir@developmentpathways.co.uk UGANDA	Systems Analyst	Analysis and Design of the Single Registry for Social Protection for the government of Uganda
	2017	The World Bank Group Nina Rosas Raffo nrosas@worldbank.org SIERRA LEONE	Consultant	Key Activities and Outputs: (i) provided inputs to the Social Protection Policy Review ; (ii) designed & developed the Grievance Redress Mechanism for the Safety Nets Program ; (iii) Designed and implemented human-centric tools for monitoring and collecting grievances at the community level; (iv) Automated field monitoring and corruption reporting activities for the Anti-Corruption Commission; (v) designed and developed the Grievance Redress System and influenced buy-in by ACC. The Grievance Redress System is now currently main reporting platform for the Anti-Corruption Commission; (vi) Integrated the Single Registry for SSN with the Grievance Redress Mechanisms ; (vi) Provided training,

				<p>capacity building for the IT teams and hand-holding to ensure success of the implementation of IT systems; (v) Developed technical specification and influenced design decisions for the integration of the Grievance Redress Mechanism and the Enterprise Resource (ERP) for ACC; (vi) Technical assistance to enhance the current payment system, particularly to move toward wider use of e-payments. As a first step towards e-payments, I am currently developing a biometric solution for beneficiary authentication and verification before payments; (viii) Expansion of the relevant MIS modules to accommodate changes to the payment system and increase interoperability with other systems, namely the FM and ID systems; (ix) designing a Data Exchange Platform used to exchange data between Government and stakeholders.</p>
	2017	<p>The World Bank Group Suleiman Namara snamara@worldbank.org <u>GHANA</u></p>	Consultant	<p>Key Activities & Outputs: (i) Establishing an independent Single Window Citizens Service for all Social Programs; (ii) scoping, designing and implementation support for the Unified Case Management System; (iii) Implementation of the Helpline of hope Call Centre; (iv) strategic guidance for scaling up the Ghana National Household Registry Management Information Systems; (v) Proposed innovative technologies, new technical and architectural strategies that lead to a paper-less Labour Intensive Public Works Program; (vi) Interpreting data, producing trend and variance analysis, identify issues and make recommendations to government for corrective action and service improvement; (vii) MIS Assessment review and implementation support of the Management Information Systems for Livelihood Empowerment Against Poverty Cash Transfer Program; (viii) Developing GNHR manuals and planning for GNHR data collection and data quality Assessments; (ix) Provided technical advice to project teams in</p>

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	2017	The World Bank Group Victoria Strokova vstrokova@worldbank.org LIBERIA	Consultant	Development of an Integrated Social Protection System on the Liberian Social Safety Nets Project for Liberia. <ul style="list-style-type: none"> • Development of operational Manuals for LSSN, including: The Social Registry Handbook, the Integrated MIS Handbook, Grievance Redress Handbook, Social Registry Monitoring and Evaluation Frameworks, Social Cash Transfer Handbook. • Business Process Modelling for the Social Registry and Social Cash Transfer Programs • Development of Technical Specifications for IT Equipment & Software, Data Centre for the Ministry of Gender, Children and Child Protection and the 3rd Party Data Centre. • Development of Term of Reference for the Software Development Firm, Data Collection Firm and the Payment Assessment Consultant • Development of the CAPI data collection tools for Liberia Youth Opportunities Project and the Girls Ebola Recovery Livelihood • Participated in the development of the PMT Questionnaire for data intake
	2017	GiZ, Inter-University Council of East Africa Imprint, (U) Ltd Jeff Sebuyira-Mukasa jmukasa@imprintintltd.com	Consultant	Mapping the Economic Context and Needs Assessment for Graduate Education and Training in "Embedded and Mobile Systems" in East Africa. The main objective of this consultancy assignment was to provide a mapping and needs assessment regarding the economic context in the EAC region

		EAST AFRICA		<p>containing relevant background information for the Centre of Excellence in Information and Communication Technology in East Africa. As the consultant, I provided a mapping on;</p> <ul style="list-style-type: none"> • Private and public sector service providers in the EAC region in in the fields of IT, particularly with regards to digitalisation, digital economy, automation and embedded technology (key branches, key players, existing initiatives, projects and platforms for knowledge exchange and innovation); • Economic sectors/branches and government or civil society sectors with particular interest and need in IT/automation/embedded and mobile systems. • Existing and potential models and modes of cooperation with the private sector regarding the labour market-oriented Master Programme “Embedded and Mobile Systems” • Rough assessment of further training needs in the field of “Embedded and Mobile Systems” for professionals and unemployed graduates (numbers of interested Bachelor graduates and experienced professionals, main areas of training); • Potential contributions and collaboration of the private sector regarding the Master’s program “Embedded and Mobile Systems” (first assessment of interest and commitment).
	2016	Public Procurement & Disposal of Assets	Systems Analyst	Development and implementation of e-learning system to facilitate PPDA in executing its capacity building

		UGANDA		<p>mandate in Public procurement and contract management. This system will make PPDA training and capacity building function in synch with the technological developments throughout the world where it is now a trend that many organizations in an attempt to reduce their training costs develop customized eLearning materials for in-house usage.</p>
	2015	<p>GIZ/ Makerere University Centre for Climate Change Research and Innovations (MUCCRI) "Namande, Gloria GIZ UG" gloria.namande@giz.de</p> <p style="text-align: center;">UGANDA</p>	Consultant	<p>GIZ Global Carbon Markets Program: Scoping, design and development of a Knowledge Management System for Climate Change Department and Makerere University Centre for Climate Change Research and Innovations (MUCCRI).</p> <p>The Knowledge Management System was intended to contribute to meeting the need to strengthen climate change research, innovations and information generation and dissemination in Uganda for climate change research and innovations. It was also meant to strengthen partnerships among the various stake holder groups involved in responding to the challenge of climate change including universities, research centres, GOU institutions, private sector and other international centres in Uganda, regionally and globally. The system development and implementation were completed. The installed system features are described below:</p> <ul style="list-style-type: none"> • Knowledge Portal –This is the first point of entry into the KMS. From here, users will have access to the system and will be able to use, navigate and search the KMS; • Collaboration Platform –The platform allows Communities of Practitioners (COP) to maintain their documents, share experiences and lessons learned;

				<ul style="list-style-type: none"> • Frequently Asked Questions (FAQ) Service; • e-Learning System– To support the training necessary to support the communities of practice (COPs) in becoming collaborative and using Action Learning; • Web Based Seminar– A service that allows for interactive conferences, online workshops and conferencing events; • Digital Repository– This is a container of data, documents and explicit knowledge; • Forums and Live Chat feature.
2015	Uganda Technology and Management University Prof Jude Lubega (Deputy VC) dvc@utamuc.ac.ug <u>UGANDA</u>	Consultant	Scoping & Development of Learning Management Systems for Uganda Technology University by adopting and customizing freely available open-source software, including: (i) KoHa for the provision of an Integrated Library System, we through Koha; (ii) Moodle for the Virtual Learning Environment (VLE); (iii) Google-apps for Lecture Capture/Podcasting; (iv) Apache open meetings for Online Lectures/Webinars/Remote Participation; (v) LDAP/Radius for Network Authentication, and Authorization and (vi) DSpace for managing our digital content and (v) web-based in-house Students Registration System and Results Management System.	
2015	Government of Uganda	Consultant	Communication Systems Security Engineer for the development of specialized and intelligent and integrated computer system. The aim of this project to develop a computer with customized hardware that is operated and controlled by an indigenous operating system. Supported by Government of Uganda.	
2015	Kapteyn Astronomical Institute, NUFFIC	Consultant	Development of tools for analyzing Astronomical images. These tools are now part of Astro-WISE MIS. Astro-WISE is now astronomical system that presents research tools for exploring, visualizing and handling large astronomical image data	

	2015	Government of Ghana-Funded by World bank	Consultant	Grievance Redresses Mechanism Consultant, The World Bank Group on the Ghana Social Opportunities Project for Ghana and basic national safety net system in Sierra Leone. This consultancy establishes an independent grievance redress mechanism. The GRM will provides a channel for beneficiaries and other stakeholders to raise grievances, complaints, or corruption reports about the project. This includes a Call Center which is the primary channel for capturing grievances and feedback from the beneficiaries/community about the service provided by the project
	2014	Ministry of Finance and Economic Planning	Consultant	Consultancy services to develop a financial literacy e-learning course for the financial institutions in Uganda
	2014	Makerere University, HP and UNESCO	Consultant	This project supported the establishment of an African Center of Excellence for Innovative ICT Solutions for Developing Countries. In general, the project had three key objectives, namely, encouraging locally relevant ICT innovations, establishing collaborations with other universities through networking, and building capacity in distributed networking.
	2014	Cisco	Consultant	Research Fellow - Quality of Service Research: I was a research fellow on Quality of Service Research funded by Cisco System Inc., The research focused on integrated and differentiated services with particular emphasis on how the results can help the Internet service providers, end users and regulatory bodies in meeting their goals and objectives. The research also suggested heuristic algorithms aimed at improved quality of service. The results were aimed to show how countries such as Uganda could optimally utilize the small bandwidth without charging the end users more

	2014	Ministry of Foreign Affairs Uganda	Consultant	Technical consultant to establish a unified messaging and information sharing solution across all Ministry of Foreign Affairs establishments. The aim of this project was to improve communication and information sharing across its missions, embassies and consulates through the designing and implementation of a unified communication solution (Voice over Internet Protocol (VoIP) and Virtual Private Networks (VPN). The United Nations Development Program funded this project.
	2014	Government of Uganda Justice, Law and Order Sector	Consultant	Design of the Integrated JLOS Management Information System (IJMIS) to enable sharing of information and collaboration across Justice, Law and Order sector institutions and to generate integrated reports in order to effectively deliver justice to the public
	2013	Ministry of Foreign Affairs Republic of Uganda	Consultant	Participated in the Design and development of the Ministry-ICT Strategy for 5 Years
	2012	National Information Technology Authority-Uganda	Consultant	Participated in the Design and development of NITA-U Strategy for 5 Years
	2011	Makerere University	Consultant	Co-Curriculum Development Project: I was the Project Coordinator on the project called Co-Curriculum Development Project at Makerere University. This project introduced eLearning and blackboard to Makerere University. This was funded by FORD FOUNDATION.
	2008	Gulu University	Consultant	Participated in the Design and development of Gulu University Strategic Plan for 5 Years
	2005	Hospice Uganda	Consultant	Participated in the Design and development of Hospice Uganda Strategic Plan for 5 Years
	2008	Law Development Center	Consultant	Development of an e-learning at Law Development Center Uganda
	2008	Kampala International University	Consultant	Development of an e-learning platform for Kampala International University and implementation of

				elearning at Kampala International University
	2008	World Health Organization	Consultant	Design and Development of OMEVAC (Open Mobile Electronic Vaccine Trials) a complete secure, mobile electronic system for data collection and management of vaccine trials from source to publication. Main activities of the assignment 1. Develop a generic data collection and management tool for vaccine trials based on EpiHandy. 2. Develop a generic electronic study protocol tool. 3. Adhere to International standards in clinical trials. 4. Develop secure and improved methods of linking a study subject with the data collected. 5. Improved options of data analysis at trial sites through R statistical packages. 6. Improved data publishing and sharing possibilities in clinical trial through Nesstar. 7. Validate and fully test OMEVAC
Other Skills	He has a background in Artificial Intelligence, Expert Systems, IT Strategic Planning, Networked Systems, Information Security Management, E-governance, Artificial Intelligence, eLearning ICT Policy Research; ICT Strategic Planning and Management and has undertaken extensive consultancies in the same areas both locally and internationally.			

Languages: English (excellent written and oral skills)

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe my qualifications, my experience, and me.

Full name of staff member: Dr. Johnson Mwebaze
