

Author's Name : Mr. Prestone Jeremiah Simiyu, Dr. Samuel Mbuguah , Dr. Daniel Otanga

View full CV here:

	Mr. Simiyu Jeremiah Prestone <i>“Seeking to apply my eight (8) years of experience into use to help your organization in achieving its mission and vision through practise of my IT information, research and innovation. Specifically, by use of my teaching, learning management system administration, website, Java, Kotlin, and Android development, and multimedia skills.</i>																
PERSONAL INFORMATION	<p> P.O Box, 19 Tongaren</p> <p> +254719-123-671 0700738145</p> <p> simiyuprestone@gmail.com</p> <p>Gender Male Date of birth 09/01/1990</p> <p>Nationality Kenyan Religion Christian</p> <p>Trained Area Information Technology</p> <p>Developer Profile g.dev/prestonesimiyu</p> <p>ORCID ID https://orcid.org/0000-0001-5802-0723</p> <p>Google Scholar Link https://scholar.google.com/citations?user=41Q-WecAAAAJ&hl=en</p> <p>Languages : English, Kiswahili, Luhya</p>																
KEY SKILLS	<table><tbody><tr><td>◆ System Administration (Learning Management System)</td><td>◆ Moodle Specialist</td></tr><tr><td>◆ Kotlin and Java programming</td><td>◆ Research</td></tr><tr><td>◆ Android Application Development</td><td>◆ Lecturing and Teaching</td></tr><tr><td>◆ Website Design and Development</td><td>◆ Coaching Basketball</td></tr><tr><td></td><td>◆ Administration</td></tr><tr><td></td><td>◆ Web Metrics</td></tr><tr><td></td><td>◆ ERP implementer</td></tr><tr><td></td><td>◆ Window server configuration and Maintenance</td></tr></tbody></table>	◆ System Administration (Learning Management System)	◆ Moodle Specialist	◆ Kotlin and Java programming	◆ Research	◆ Android Application Development	◆ Lecturing and Teaching	◆ Website Design and Development	◆ Coaching Basketball		◆ Administration		◆ Web Metrics		◆ ERP implementer		◆ Window server configuration and Maintenance
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	<ul style="list-style-type: none"> ◆ Multimedia design, Photoshop, Canva, Sony Vegas ◆ Electronic Courses Designer ◆ Database (SQL, SQLite) ◆ Rapid application Development (Visual Basic)
WORK EXPERIENCE	
<p>Tutorial Fellow/ Assistant Lecturer Masinde Muliro University of Science and Technology, Kakamega Kenya www.mmust.ac.ke</p> <p>November 2021 to Date</p>	<p>Reporting to the Chair of Department, I am teaching both theory and the practical courses for Information Technology. Some of the courses I have thought are: <i>Multimedia, mobile computing, wireless mobile computing, object oriented programming, web technologies, interactive programming, computer application, and Desktop publishing.</i></p> <p>My main duties are:</p> <ul style="list-style-type: none"> ◆ Preparation of Course plan. ◆ Preparation of Class notes. ◆ Lecturing and Teaching. ◆ Carrying out practical's ◆ Guiding students in their project developments. ◆ Training professional aspect in Industrial training. ◆ Guiding students on line courses ◆ Setting of exams. ◆ Marking of exams. ◆ Advising and mentoring students. ◆
<p>Technologist III (ODEL) Kibabii University www.kibu.ac.ke Bungoma, Kenya</p> <p>September 2020 - Date</p>	<p>Reporting to the Director ODEL, as a technologist, I work on the Moodle Learning Management System for Kibabii University.</p> <p>My Main duties are:</p> <ul style="list-style-type: none"> ◆ Maintaining the LMS and its server ◆ Updating and installing of plugins to the LMS ◆ Customization of the LMS and the Android Application ◆ Writing SQL queries and running them to produce customer need reports ◆ Training lecturers oh how to use Moodle and create interactive courses using software's including iSpring. ◆ Providing technical support to students and lecture on the LMS ◆ Designing and uploading of courses to the LMS ◆ Orientation of Students and Lecturers on the use of LMS ◆ Implementation of ISO 9001: 2015 and ISO/IEC 27001:2013 standard in the directorate ◆ Rebranding and Uploading of information to the directorate sub domain

<p>Part time - Lecturer, Senior Technician and Instructor <i>Kibabii University</i> www.kibu.ac.ke <i>Bungoma, Kenya</i></p> <p><i>Mount Kenya University</i> www.mku.ac.ke</p> <p>January 2015 - Date</p>	<p>Reporting to the Chair of Department, as a part-timer I am teaching both theory and the practical courses for Information Technology. Some of the courses I have thought are: <i>Multimedia, mobile computing, wireless mobile computing, object oriented programming, web technologies, interactive programming, computer application, and Desktop publishing.</i></p> <p>My main duties are:</p> <ul style="list-style-type: none"> ◆ Preparation of Course plan. ◆ Preparation of Class notes. ◆ Lecturing and Teaching. ◆ Carrying out practical's ◆ Guiding students in their project developments. ◆ Training professional aspect in Industrial training. ◆ Guiding students on line courses ◆ Setting of exams. ◆ Marking of exams. ◆ Advising and mentoring students.
<p>Part time Designer and Developer <i>Slavi Technologies, Kenya</i></p> <p>June 2013 - Date</p>	<p>At my free time I do designing and developing of website, android application, logos and system.</p> <p>My main duties are:</p> <ul style="list-style-type: none"> ◆ Developing Android Mobile Phone application using JAVA, XML, JSON and C++ ◆ Developing and customizing of Website using WordPress Content management System ◆ Design and Developing of Logos using PowerPoint, Canva and Photoshop ◆ Developing of systems using JAVA, Microsoft Access, and Android
<p>In charge Administrative Assistant Faculty of Education and social Sciences <i>Kibabii University</i> www.kibu.ac.ke <i>Bungoma, Kenya</i></p>	<p>Reporting to the Dean, I was the team leader of a group of two administrative assistant, one data entry clerk, one clerk and one assistant office administrator. I lead the team in proving secretariat services to the Deans Office, eight departments, over six thousand (6000) students and more than one hundred (100) staff. With this many clients, I responsible for the adoption of the Enterprise resource planning (ERP) in the faculty.</p> <p>My duties were:</p>

January 2017 – August 2020

- ◆ Training the faculty staff on how to use the ERP
- ◆ Maintenance of the ERP system
- ◆ Inputting of Students details in the Enterprise resource planning (ERP) System
- ◆ Registration and Deregistration of students courses in the ERP
- ◆ Cleaning of Students marks in the ERP system
- ◆ Processing of Examination Rubrics for the Faculty Board of Examiner and Senate
- ◆ Processing of Consolidated Mark sheets for the Faculty Board of Examiner and Senate
- ◆ Processing of Graduation Rubrics (Graduation and Award List) for the Faculty Board of Examiner and Senate
- ◆ Processing and Issuance of Students Academic year transcripts and Semester Result slip
- ◆ Processing and issuance of examination card
- ◆ Preparation of meetings through writing of memos.
- ◆ Preparation of Faculty work plan and strategic plan
- ◆ Preparation of meeting minutes
- ◆ Preparation of Faculty budget.
- ◆ In charge of ISO, Performance Contracting and Webometrics for the faculty

**Administrative Assistant
School of Graduate
Studies**

*Kibabii University
www.kibu.ac.ke
Bungoma, Kenya*

**February 2015 –
December 2016**

Reporting to the Dean and being the first administrative assistant in the School of Graduate Studies, I worked closely with the dean in setting up and developing of the school. Specifically, I helped in setting up a system that improved the delivery of services to the clients.

My main duties were:

- ◆ Processing of Research proposals and Theses.
- ◆ Processing of students examination marks
- ◆ Processing of student approval letters to go to NACOSTI.
- ◆ Providing Information regarding graduate programs offered.
- ◆ Processing of appointment letters for supervisors
- ◆ Processing of Honorarium payment for supervisors and Examiners
- ◆ Processing and arrangement of oral defence
- ◆ Preparation and scheduling of meetings.
- ◆ Preparation of meeting minutes.
- ◆ Preparation of School budget.
- ◆ Preparation of School work plan, strategic plan and their reports.

Telecommunication Project Manager <i>Altech Africa, Nairobi Kenya</i> January 2014 – Nov 2014	<p>Reporting to the Managing Director, I was incharge of projects. I managed 3 technicians, 8 supervisors and over 100 causal workers.</p> <p>My main duties were:</p> <ul style="list-style-type: none"> ◆ Managing of Construction project. ◆ As-built design and site survey for fiber optic and structured cables. ◆ Splicing and terminating of OFC at F.A.T, ODF, and enclosure. ◆ B.O.Q, Budget and work plan for fiber optic projects. ◆ Representation of the company in meetings with clients including Erickson, Huawei and Wanainchi group.
Computer and Physics Teacher <i>Bishop Atundo Secondary School</i> May – August 2013	<p>Reporting to the Principal, I taught physics and computer.</p> <p>My main duties were:</p> <ul style="list-style-type: none"> ◆ Preparation of teaching schemes ◆ Preparation of notes for the classes ◆ Carry out practical's for computer classes ◆ Coaching football and Music
Information Technology Internship <i>Bernbest Technologies, Nairobi Kenya</i> August 2013 – December 2013	<p>Reporting to ICT officer, My main duties were:</p> <ul style="list-style-type: none"> ◆ Repair and Maintenance of computers, printers, switches, scanners, and other ICT equipment's. ◆ Troubleshoot of internet connection problems. ◆ Website design and development. ◆ Setting up LANS, Access point to various clients
Telecommunication Attachment <i>Masinde Muliro University of Science and Technology</i> May 2012 – August 2012	<p>Reporting to Radio Coordinator, my main duties were:</p> <ul style="list-style-type: none"> ◆ Repair and Maintenance of transmitter, antenna, mixer, IRD receive, and other studio equipment's. ◆ Software installation, update and repair. ◆ Video editing of both live and recorded feeds. ◆ Audio editing of both live and recorded feeds. ◆ Live coverage setting up of equipment's.
School Attachment <i>Kenya Broadcasting Cooperation (KBC)</i> May 2012 – August 2012	<p>Reporting to Ground Station Coordinator, my main duties were:</p> <ul style="list-style-type: none"> ◆ Servicing and maintenance of stand by generator, air conditioner, IMPVHF 2KW, ABE, UHF 5KW BAND IV-V transmitters and receivers. ◆ Fiber optic splicing. ◆ Monitoring of attenuation level for receivers.

ACADEMIC QUALIFICATION	
Doctor of Philosophy in Information Technology <i>Kibabii University (Bungoma, Kenya)</i> September 2020 – Date	Thesis Title: <i>Smart Dynamic speed governor and Geo-mapping technology for a curbing traffic police corruption in Kenya.</i>
Master of Science in Information Technology <i>Kibabii University (Bungoma, Kenya)</i> May 2016 – December 2019	Thesis Title: <i>Unstructured supplementary Service Data for securing web based voting system for universities in Kenya.</i>
Bachelor of Science, Telecommunication and Information Technology <i>Kenyatta University (Nairobi, Kenya)</i> September 2008 – December 2013	Project Title: High school management system (c#)
Kenya Certificate of Secondary Education <i>St. Marys Kibabii Boys High School (Bungoma, Kenya)</i> 2004 – December 2007	
Kenya Certificate of Primary Education <i>Lugulu Boarding Primary School (Webuye, Kenya)</i> 1994 – 2003	
TRAININGS AND WORKSHOPS	
Training Center in Communication Kenya 23rd-25th February 2022	Scientific communication and publishing (paper writing process, research proposal writing and data management analysis)
Common Wealth of Learning Canada April 5th 2021 to Date	Advance Designing Blended Courses in Moodle
Common Wealth of Learning Canada November 16th to 4th December 2020	Designing Blended Courses in Moodle

Common Wealth of Learning <i>Canada</i> November 2020	Understanding Open Educational Resources
Google Africa 15th April 2021 to Date	Android Application Development using Kotlin programming Language
eMobilis Mobile Technology Institute <i>Nairobi Kenya</i> 26th May – 11th July 2014	Android Deep Dive Training
Millenium Management Consultants Limited (MMCAfrica) <i>Kibabii University, Kenya</i> 6th September - 8th October 2018	Information Security Management Systems ISO/IEC 27001: 2013
Deep Africa <i>Kibabii University</i> June 2015	Information Communication and Technology (ICT) Champion
Kibabii University <i>Bungoma, Kenya</i> 23rd – 24th October 2018	Enhancing Learning Outcomes through the Application of 21 st Century pedagogies in the provision of University Education and Embracing the new competence based curriculum
Udemy <i>Online, Udemy.com</i> February 2018	Wordpress Training
Kibabii University College <i>Bungoma, Kenya</i> 27th– 28th July 2015	Enhancing Learning Outcomes through the Application of 21 st Century pedagogies in the provision of University Education and Embracing the new competence based curriculum
Kenya School of Government <i>Nairobi, Kenya</i> 5th – 9th December 2016	Cabinet Memos and Board Paper Writing Course
Kibabii University <i>Bungoma, Kenya</i> 11th – 17th September 2015	Implementers Training on Quality Management System Based on ISO 9001: 2015
APPOINTMENTS TO COMMITTEES/ SUB COMMITTEES Kibabii University	

<i>Bungoma, Kenya</i> 6th April 2021	Long Listing Panel for Internally Advertised Positions
Kibabii University <i>Bungoma, Kenya</i> 16th December 2020	AD-HOC Committee to Develop Work Study Programme Policy
Kibabii University <i>Bungoma, Kenya</i> 26th October 2020	Shortlisting Committee Meeting for Part- Time Lecturers
Kibabii University <i>Bungoma, Kenya</i> 19th October 2020	AD-HOC Committee to rebrand Kibabii University Website
Kibabii University <i>Bungoma, Kenya</i> 8th September 2020	Shortlisting Committee Meeting for Part- Time Lecturers
Kibabii University <i>Bungoma, Kenya</i> 1st September 2020	Shortlisting Committee Meeting for Part- Time Lecturers
Kibabii University <i>Bungoma, Kenya</i> 11th August, 2020	Long Listing Committee Meeting for Part- Time Lecturers
Kibabii University <i>Bungoma, Kenya</i> 28th July 2016	Appointment as ICT Champion
Kibabii University College <i>Bungoma, Kenya</i> 24th March 2015	General Clearing & Landscaping Sub Committee of the Graduation ceremonies prizes and awards committee (GCPAC) – Preparation for the Charter

PUBLICATIONS

Published in peer Reviewed Journal

<p>International Organization of Scientific Research</p> <p>ISSN : 2278-0661 Article DOI : 10.9790/0661-2105020109 4th October 2020</p>	<p>Title: “Security Shortcomings of Electronic Web Based Voting Systems for Universities in Kenya”</p> <p>Author's Name : Mr. Prestone Jeremiah Simiyu, Dr. Samuel Mbuguah , Dr. Daniel Otanga</p> <p>Journal Name : IOSR Journal of Computer Engineering</p> <p>Publisher Name: International Organization of Scientific Research Volume No. : 21 Issue No. : 5</p> <p>Journal Url : www.iosrjournals.org</p>
Submitted for Publication	
<p>Pan Africa Christian University Journal of Arts and Social Sciences</p> <p>Volume No. : 3 Issue No. : 1 2021 Expected Date of Publication: 30th June 2021</p>	<p>Title: Unstructured Supplementary Service Data Framework for Securing Web Based Electronic Voting System for Kenyan Universities</p> <p>Author's Name : Mr. Prestone Jeremiah Simiyu, Dr. Samuel Mbuguah , Dr. Daniel Otanga</p> <p>Journal Url : http://pacujass.pacuniversity.ac.ke/</p>
Submitted for presentation in International Conference	
<p>International Conference Organised by Pan Africa Christian University in Collaboration with Hindustan(HCAS), Hope University and People's University</p> <p>Conference Dates: 27th – 29th May 2021</p>	<p>Title: Unstructured Supplementary Service Data Framework for Securing Web Based Electronic Voting System for Kenyan Universities</p> <p>Author's Name : Mr. Prestone Jeremiah Simiyu, Dr. Samuel Mbuguah , Dr. Daniel Otanga</p> <p>Journal Url : http://pacujass.pacuniversity.ac.ke/</p>
Submitted proposals for funding	
<p>National Research Fund (NRF)</p> <p>Date : 2018</p>	<p>Proposal Title: Unstructured Supplementary Service Data Framework for Securing Web Based Electronic Voting System for Kenyan Universities</p> <p>Amount: Ksh. 500,000 Status : Final Stages</p>
Editorial and/or Reviewer jobs in Peer reviewed Journals	
<p>International Journal of Research and Innovation in Social Sciences (IJRISS)</p>	<p>Reviewed Paper Title: Students' Awareness And Usage Of Digital Technologies In Learning In Colleges Of Education In South East, Nigeria</p> <p>Date: April 2021 ISSN: 2454-6186</p>
PROFESSIONAL MEMBERSHIP	
<p>Information Technology Association of Kenya</p> <p>5th January 2015 – Date</p>	<p>Membership Number 2015005 Professional Member</p>
<p>International Association of Engineers</p> <p>March 2015 - Date</p>	<p>Membership Number 153423 Professional Member</p>
<p>Institute of Research Engineers and Doctors</p>	<p>Membership Number AM2021049172 Associate Member</p>

April 2015 - Date	
AWARDS	
Kibabii Univeristy Sports of the Year Awards 2019 – 2020	Coach of the year Basketball
Kibabii Univeristy Sports of the Year Awards 2018 – 2019	Staff Sports Man of the year
Altech Africa Limited 2014 Calendar Year	Employee of the year
COMMUNITY SERVICE AND OUTREACH	
Kibabii University 2015 - Date	Volunteer Coach for men and women Basketball Team
Kibabii University 2016	Polling Supervisor
County Government of Bungoma 9th – 14th August 2018	Early years Education Training
ACHIEVEMENT	
Software and Systems	<p>I have developed and hosted a couple of softwares and websites including:</p> <ul style="list-style-type: none"> ◆ African Languages (on-going) ◆ Prestech System (High School Management) ◆ Point of Sale system
Consultancy	<ul style="list-style-type: none"> ◆ Google TVET Developer Training for Android development using Kotlin ◆ Information and Technology Communication specialist in adoption of Bungoma County information and records system (Open KM system)
ICT Adoption	<ul style="list-style-type: none"> ◆ Lead Technologist in the adoption of Moodle Learning Management system in kibabii University as well as Respondus proctoring tool ◆ Provided technical support to Kibabii University Faculty of Education and Social Sciences Staff and student to the adoption of the Enterprise Resource Planner system
Supervision of students projects	<ul style="list-style-type: none"> ◆ Seven Diploma Students projects (2019 class) ◆ Over Twenty (20) undergraduate students ◆ Teaching Multimedia and Mobile Computing in the Industrial Trainings for IT and computer science
Fiber Optic Projects	<ul style="list-style-type: none"> ◆ At Altech Africa I was in charge of projects that laid over 1000km of fiber for Safaricom, Huawei and Wanaichi group

Administrative Assistant	<ul style="list-style-type: none"> ◆ Processing of results for students upto production of final list for 2015 to 2020. (Over 3000 students have graduated) ◆ Processing of research until graduation 2015 – 2017 ◆ Delivered different policy drafts including, ICT policy, work study among others
Technologist ODEL	<ul style="list-style-type: none"> ◆ Rolling out of the platform for use in Kibabii University ◆ Coordinating training from Common Wealth of Education to Kibabii University staff ◆ Rebranding of the Platform interface ◆ Designing a template for course creation ◆ Introduced use of Cohort sync and Self enrollment methods ◆ Provided technical support in the integration of Moodle Learning Managing System and ABNOS, Enterprise Resource Planning in Kibabii ◆ Creation of Two undergraduate courses that meets Common Wealth of Learning Standards ◆ Part of the team developing ODEL procedures
Basketball Coach	<ul style="list-style-type: none"> ◆ Position Three for men teams in 2018 and 2019 WEKUSA games ◆ Establishment of a male staff basketball team ◆ Position 3 for women in 2018

REFERENCES

Dr. Daniel Otanga (Work Supervisor)

*Dean, School of Computing and Informatics
Masinde Muliro University of Science and Technology*

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Prof. Franklin Wabwoba (Research Supervisor)

*Dean School of computing and Informatics,
Kibabii University*

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Dr. Rispah Wepukhulu (Work Supervisor)

*Former, Dean Faculty of Education and Social Sciences
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