Prof. Lazaro S. P. Busagala

Curriculum Vitae

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Personal Particulars

Full Name	Lazaro Simon Petro Busagala
Date of Birth	June 12, 1971
Place of Birth	Busega, Simiyu, Tanzania
Nationality	Tanzanian
Sex	Male
Sex & Marriage	Male & Married to Elida.
Language	Fluent in English and Swahili

Overview

Executive and Non-Executive Positions Held

March 22, 2018 – May 28, 2024	**Director-General**, Tanzania Atomic Energy Commission – A Public Institution Established by an Act No. 7 (2003) of the Parliament, United Republic of Tanzania (Presidential Appointment)
March 2018 – May 2024	**Board Secretary**, Tanzania Atomic Energy Commission – A Public Institution Established by an Act No. 7 (2003) of the Parliament, Tanzania
May 2016 –March 2018	**Member and Secretary of 3 Standing Committees of the Governing Body (cum Board)**, *namely: 1. Planning and Finance Committee, 2. Human Resource Management and Administration Committee and 3. Students Affairs Committee*, College of Business Education (CBE)– A Public Institution Established by an Act of the Parliament, Tanzania
May 2016 –March 2018	**Deputy Rector (Planning, Finance, Administration) i.e. Deputy Chief Executive Officer**, *College of Business Education (CBE)*, Tanzania, – A Public Institution Established by an Act of the Parliament
July 2016 – March 2018	**Tender Board Chairman**, *College of Business Education*, Tanzania, The Tender Board deals with oversight of all procurements and contract management of infrastructure development
July 2011 –April 2016	**Chairman**, *Computer Centre Board (SUA)* , Sokoine University of Agriculture, Tanzania
July 2014 –April 2016	**Director**, *Computer Centre (SUA)* , Sokoine University of Agriculture, Tanzania
2011 – 2014	**Acting Director**, *Computer Centre*, Sokoine University of Agriculture

2009 – 2011	**Vice Chairman**, *Computer Centre Board*, Sokoine University of Agriculture
2009 – 2011	**Deputy Director**, *Computer Centre*, Sokoine University of Agriculture
2008 – 2014	**Head**, *Information and Communication Technology*, Sokoine National Agricultural Library (SNAL)
July 2014 – To date	**Associate Professor of Information Systems Engineering**, *College of Natural Sciences and Applied Sciences*, Department of Informatics and Information Techonology
1999 – To date	**Academic Staff**, *Formerly at Sokoine University of Agriculture, From May 2016: College of Business Education*, From October 2024, At Sokoine University of Agriculture

Highlights of Teaching Experience

1999 – Present	**Taught**, *Various Subjects at undergraduate and postgraduate levels as indicated below*

Subjects and Level

- Software Engineering, Undergraduates and postgraduates
- Pattern Recognition and Machine Learning, Masters students
- Artificial Intelligent, Undergraduates
- Information Retrieval, Undergraduates
- Information Literacy, Undergraduate and postgraduates i.e. Masters and PhD students
- Network Design and Administration, Undergraduates
- Operating Systems, Undergraduates
- Socio-Cultural Implications of ICT, Undergraduates
- Technical English, Undergraduates, Mie University, Japan

Experience on Thesis/Dissertation Supervision

2011	**A. Malero**, *Transformed Features in Automated Spam Filtering*, Masters Dissertation, Examined and Graduated from Dodoma University
2011	**G. Kawono**, *Adoption and Utilization of Information and Communication Technology in Health Service Delivery in Iringa, Tanzania*, Masters Dissertation, Examined and Graduated from Dodoma University
2011	**L. Ringo**, *The Use of Information and Communication Technology (ICT) in Community Policing in Tanzania: A Case of Dodoma Regional Police*, Masters Dissertation, Examined and Graduated from Dodoma University
2012	**E. P. Minja**, *Adoption and Use of Free and Open Source Software for Teaching and Learning in Higher Learning Institutions of Dodoma Municipality, Tanzania*, Masters Dissertation, Examined and Graduated from Dodoma University
2012	**S. Edward**, *A Study on Automatic Survey Coding Using Machine Learning Techniques*, Masters Dissertation, Examined and Graduated from Dodoma University
2012	**T. Tesha**, *Automating the Classification of Swahili Documents*, Masters Dissertation, Examined and Graduated from Dodoma University
2018	**Joyce Kifumbu**, *Adoption and Use of Smartphone for Academic Tasks by Students of Ten Higher Learning Institutions in Tanzania*, Masters Dissertation, Examined and Graduated from College of Business Education

2018   **Winfrida Jacob Salla**, *Adoption of Agile Methodology in Software Development Industry in Tanzania*, Masters Dissertation, Examined and Graduated from College of Business Education

2021   **Anna Kayanda**, *Improving Decision Support Information Systems in Tanzanian Higher Education Institution*, PhD Thesis, To be Examined and Graduate from College of Business Education

Research Experience

2002 – Present   **Research in Pattern Recognition and Machine Learning**

The main focus has been to research and develop various methods with the focus to improve information systems related to pattern recognition, machine learning and data mining. The work includes feature extraction and transformation, dimensionality reduction, discriminant analysis, nearest neighbor and kernel methods. The application area mainly has been automatic text classification. Other applications include spam filtering and automatic entry of data from handwritten documents. The proposed techniques can also be applied in various fields such as Bio-informatics such as livestock Biometrics.

2000 – 2001   **Research in Information Retrieval**

The main focus was to technically evaluate search and retrieval of scientific literature. The objectives included to find out the awareness and the skills of users.

1998 – 1999   **Research in Marketing**

The goal was to find out the main factors that influence consumer choice of soft drinks.

Selected Publications

Journal Papers

[1] Lazaro S. P. Busagala and Tumsifu Elly. Performance of ten internet search engines in retrieving scientific literature in Tanzanian public university libraries. *University of Dar es Salaam Library Journal*, 6(1):1–17, 2004.

[2] Lazaro S. P. Busagala, Wataru Ohyama, Tetsushi Wakabayashi, and Fumitaka Kimura. Improving automatic text classification by integrated feature analysis. *IEICE Transactions on Information and Systems*, E91-D(4):1101 – 1109, 2008.

[3] Lazaro S. P. Busagala. Involving postgraduate students in enhancing university research performance and timely information dissemination. *University of Dar es Salaam Library Journal*, 10(2), 2010.

[4] Camilius Sanga, Juma Kilima, and Lazaro S. P. Busagala. Optimizing internet bandwidth in higher learning institutions: A case of sokoine university of agriculture. *International Journal of Computing and ICT Research*, 4(2):27 – 35, 2010.

[5] Augustine Malero and Lazaro S. P. Busagala. The impact of transformed features in automatic spam filtering. *Journal of Informatics and Virtual Education*, 1(1):55 – 58, 2011.

[6] Lilian J. Ringo and Lazaro S. P. Busagala. The role of mobile phones and public perceptions for community policing in tanzania. *International Journal of Computing and ICT Research*, 6(2):64 – 74, 2012.

[7] Lazaro S. P. Busagala and Lilian J. Ringo. Constraints of e-policing adoption: A case of dodoma, tanzania. *International Journal of Information and Communication Technology Research*, 3(1):42 – 48, 2013.

[8] Lazaro S. P. Busagala and Geofrey Kawono. Underlying challenges of e-health adoption in tanzania. *International Journal of Information and Communication Technology Research*, 3(1):34 – 41, 2013.

[9] Lazaro S. P. Busagala and Geofrey Kawono. Perceptions and adoption of information and communication technology for healthcare services in tanzania. *International Journal of Computing and ICT Research*, 7(1):12 – 21, 2013.

[10] Anna Kayanda, Lazaro S. P. Busagala, and M. Tedre. User perceptions on the use of academic information systems for decision making support in the context of tanzanian higher education. *International journal of education and development using information and communication technology*, 16(1):72 – 87, 2020.

[11] Lazaro Busagala and Anna Kayanda. Awareness enhancement on atomic energy and nuclear technology applications using ict. *African Journal of Applied Research*, 8(1):362 – 374, 2022.

[12] Anna Kayanda, Lazaro S.P. Busagala, Solomon Oyelere, and Matti Tedre. The use of design science and agile methodologies for improved information systems in the tanzanian higher education context. *Electronic Journal of Information Systems in Developing Countries*, 89(1):e12241, 2022.

[13] Anna Kayanda, Lazaro S. P. Busagala, and M. Tedre. Evaluation of a timetabling software implemented in tanzanian higher education context. *The African Journal of Information Systems*, accepted, 2024.

Conference Proceedings

[14] Lazaro S. P. Busagala, Wataru Ohyama, Tetsushi Wakabayashi, and Fumitaka Kimura. Machine learning with transformed features in automatic text classification. In *Proceedings of ECML/PKDD-05 workshop on Sub-symbolic Paradigms for Learning in Structured Domains (Relational Machine Learning)*, pages 11– 20, 2005.

[15] Lazaro S. P. Busagala, Wataru Ohyama, Tetsushi Wakabayashi, and Fumitaka Kimura. Integrated feature analysis for automatic text classification. In Petra Perner, editor, *Machine Learning and Data Mining in Pattern Recognition*, pages 16 – 26. IBaI Publishing, 2007.

[16] Gudila P. Moshi, Lazaro S. P. Busagala, Wataru Ohyama, Tetsushi Wakabayashi, and Fumitaka Kimura. An impact of parts of speech analysis on automated classification of ocr texts. In *Conference on Pattern Recognition and Media Understanding, IEICE Technical Report Vol. 418*, pages 75 – 80, 2010.

[17] Anna Kayanda and Lazaro S. P. Busagala. User perspectives on academic information systems in enhancing standardized academic processes in higher learning institutions. In *Proceedings of 6TH APPLIED RESEARCH Fumitaka Kimura*, pages 543 –547, 2011.

[18] Anna Kayanda, Lazaro Busagala, and Matti Tedre. Design and implementation of timetabling software for an improved decision making at the tanzanian higher education context: A design science approach. In *2019 IEEE AFRICON*, pages 1–4, 2019.

[19] Anna Kayanda, Lazaro Busagala, Matti Tedre, and Solomon Oyelere. Towards the development of timetabling software for improving decision-making in tanzanian

higher education context. In *2020 15th Iberian Conference on Information Systems and Technologies (CISTI)*, pages 1–6, 2020.

Books

[20] Lazaro S. P. Busagala. *Automated Document Classification: Methods and Algorithms*. VDM Verlag, Germany, ISBN: 978-363-927-0501, 2010.

Book Chapters

[21] Edda T. Lwoga, Alfred Sife, Lazaro S. P. Busagala, and Wanyenda Chilimo. The role of universities in creating ict awareness, literacy and expertise: experiences from tanzanian public universities. In F. F. Tusubiri and Nora K. Mulira, editors, *Universities: taking a leading role in ICT enabled human development*, pages 35 – 44. Panthon Solution, Kampala, 2005.

[22] Mayo Murata, Lazaro S. P. Busagala, Wataru Ohyama, Tetsushi Wakabayashi, and Fumitaka Kimura. The impact of OCR accuracy and feature transformation on automatic text classification. In H. Bunke and A. spdz, editors, *Document Analysis Systems VII*, pages 506 – 517. Springer, 2006.

[23] Gudila P. Moshi, Lazaro S.P. Busagala, Wataru Ohyama, Tetsushi Wakabayashi, and Fumitaka Kimura. An impact of linguistic features on automated classification of ocr texts. In *Document Analysis Systems*, pages 287 – 292. 2010.

[24] Akihiro Kokawa, Lazaro S. P. Busagala, Wataru Ohyama, Tetsushi Wakabayashi, and Fumitaka Kimura. An impact of ocr errors on automated classification of ocr japanese texts with parts-of-speech analysis. In *ICDAR*, pages 543–547, 2011.

[25] Lazaro S. P. Busagala, Wataru Ohyama, Tetsushi Wakabayashi, and Fumitaka Kimura. Multiple feature-classifier combination in automated text classification. In *Document Analysis Systems*, pages 43–47, 2012.

Some of the Achievements as a Leader & a Team Player

1 In the period of 2018-2024: Successfully led TAEC in improving efficiency in Radioactivity Analysis Certification. Processing time was reduced from a minimum of 7 days to a period of 1 day. On average 98% of the certificates are issued in 1 day.

2 Between 2018 &2022: Successfully led TAEC in proposing reduced fees and charges where by the 0.2% per consignment was reduced to 0.1% and some fees were completely waived. This has improved business environment.

3 2018-2024: Wonderfully led TAEC in acquiring 5 zone plots and constructing one laboratory complex with a College and five zone laboratories for improved Nuclear Technology services in

(a) Arusha (complted by 100% and furnished the college),

(b) Dar es Salaam (completed by 75%),

(c) Dodoma (completdd by 100%),

(d) Mwanza (completed by 100%),

(e) Mbeya (Tendering stage) and

(f) Zanzibar (completed by 100%).

4 In the period of 2018-2023: Successfully led TAEC in increasing overall internally generated revenue by 289% i.e. from Tanzania Shillings 2.8 Billion in 2016/2017 to Tanzania Shillings 10.94 Billion in 2021/2023.

5 Between 2018-2022: Successfully coordinated six (6) Hospitals in preaparing a proposal to solicit funding in the effort to open 4 more radiotherapy centres in the United Republic of Tanzania so as to combat cancer problem in the country whereby up to 70% of cancer patients need radiotherapy services. The proposal is now (March 2023) under the Ministry of Finance for further scrutiny.

6 In the period of 2022 - 2023: Successfully led TAEC in proposing and approval of H.E. Samia Suluhu Hassan Scholarship through TAEC where five young people will staudy abroad to promote Nuclear Science and Technology.

7 Bwetween 2018 & 2023: Successfully led TAEC in proposing the establishement of Tanzania Atomic Energy College for closing up the gap of needed for Human Resources in the Country

8 Bwetween 2020 & 2021: Successfully led TAEC in designing and fabricating Radioactive Transportation Vehicle for more radiation protection during transporting Radioactive sources.

9 For the financial year 2017/2018, 2018/2019, 2019/2020, 2020/2021, & 2021/2022 Successfully led TAEC in proper Financial Management such that the audit reports are clean.

10 During the year 2018 - 2023: Successfully led TAEC in increase of the budget for research from zero to TZS 450 millions per year on average.

11 In the period of 2018-2023: Successfully led TAEC in improving Nuclear Technology Services by opening new zone and border offices in various places in Tanzania. Offices increased from 12 to 62 countrywide which enabled TAEC to facilitate trade and regulating safety of radioactive sources and materials as such more protection of the public and international markets for Tanzania

12 In the period of 2018-2023: Successfully led TAEC in equipping its 62 offices with fast radioactivity screening tools for fast service provision to clients

13 Between 2018 & 2023: Successfully led TAEC improving ICT systems and use such website, emails, Government Payment Gateway, POS (point of sale) machines, Electronic Document Management System and RAC portal (rac.taec.go.tz). Customers now obtain their certificates online wherever they are.

14 In the period of 2018-2022: Successfully led TAEC in developing projects for nuclear Science and Technology that would result into successful Industrialization of Tanzania in areas such reduction of Post-harvest losses, plant breeding, Oncology Research Centre, improving medical items.

15 For the year 2018-2023 Amazingly led TAEC in improving implementation rate of IAEA (International Atomic Energy Agency) and URT (United Republic of Tanzania) nuclear projects from 46% to 97%

16 In 2020, Successfully led TAEC in becoming among the first institutions in integrating TAEC systems with Tanzania Electronic Single Window System (TeSWS). This will facilitate trade while protecting Tanzanian and international markets.

17 In the year 2018-2020: Successfully led TAEC in renovating and maintaining 6 TAEC buildings to improve working conditions

18 Between 2018 & 2023: Successfully led TAEC in proposing improved legal framework for radiation safety and security by amending the Atomic Energy No. 3 (2003) and reviewing 7 regulations and training frontline officers

19 Since April 2018 - to date: Successfully led TAEC in radiation protection of Tanzanians through various actions such as licensing and inspections. The number of inspection has been over and above International Standards and has increased by 174%

20 Since March 2018 to date: Successfully led TAEC in restoring harmony between Management, Staff and Board

21 Since March 2018 to date: Successfully led TAEC in improving working environment including provision of required equipment for working.

22 2018-2023: Continuously improving the visibility of TAEC by public awareness programmes through website, social media, TV and radio. Appearance of this programmes have increased more than 30 times compared to previous financial years.

23 2019 - 2020: Successfully led TAEC in construction of wall fence at Block D plots, Njiro, Arusha using Force Account. The first estimates would cost TZS 260 million but due to proper supervision, its has been approximately TZS 190 million saving about 70 million.

24 2018 - 2022: Successfully led TAEC in building capacity of staff at TAEC to carry out more impactiful projects that will directly benefit Tanzanians such as reduction of post-harvest losses and supporting industrialization. Currently 20 staff are on further studies

25 2018 - 2019: Successfully led TAEC in construction completion of Phase I of laboratory complex in Arusha.

26 Between 2018-2019: Successfully led TAEC in proper Administration and Human Resources Management such that it was recognized by TUCTA as as best employer in 2019

27 Successfully led the planning team for CBE Corporate Strategic Plan (2015 - 2020) in reviewing its strategic plan which was approved in January 2018.

28 Successfully led a team in improving management and financial internal controls at the college of Business Education, 2016 - 2017. Seven (7) policy and regulatory documents were drafted and approved by Governing Body which implementation begun

29 Successfully led the planning and development of campuses' infrastructure of College of Business Education from 2016 - 2018 using internally generated funds. So far what has been done include

(a) Completed acquisition and renovation of school facilities for Mwanza Campus

(b) Construction of a 4 storey building which will comprise a library and lecture theaters with a carrying capacity of 1,500 students at a time.

(c) Two new cafeteria (Mwanza and Dar es salaam) constructed

(d) Improved teaching environment by acquiring and fixing chairs and in all seminar and class rooms at Dar es Salaam Campus. Five classes were installed with air conditioners and are functioning well to date.

(e) Two hostels renovated, all toilets in Dodoma and Dar es salaam campuses renovated; two health facilities improved.

(f) ICT infrastructure improved including speed of network and data security

(g) Development and acquisition of software initiated i.e. electronic document management system, accounting package and biometric attendance in classes.

30 Successfully improved teaching and library facilities by acquiring books, and ICT equipments such as LCD projects to be installed in all lecture theaters and seminar rooms.

31 Successfully led the initiatives, planning and implementation of ICT infrastructure by Integration of College payment information systems with bank systems at CBE in 2016 which has improved efficiency and controls of financial resources

32 Recognized by Trade Union Congress of Tanzania (TUCTA) on best performance at work for 2016.

33 Successfully led a team in initiating, planning, designing and implementing mobile student payment information system at SUA in 2015 which is in use and has great impact in income control and increased effectiveness and efficiency in financial management.

34 Successfully led a team in negotiating with USAID such that a grant agreement of USD 2.39 millions was signed in October 2014 and disbursement of funds begun in January 2015.

35 Successfully led the project implementation team of Enhancement of SUA's Capacity to Utilize ICT (ESUA-CICT) such that implementation of seven (7) milestones had been accomplished, by December 2015. Meanwhile other milestones were progressing on well including installation of video conferencing facilities and replacing the aging LAN fiber optic cable at SUA.

36 Successfully led the management team of the Computer Centre, SUA in reducing spending. For example he encourages paperless meetings (i.e. e-meetings) leading to savings at least TZS 5,000,000 (five millions Tanzania Shillings) per year for the Computer Centre, SUA.

37 Successfully led the team in improving SUA's Internet Speed. Within five years, from 2010 to 2016, SUA had improved the Internet speed from 2 mbps (shared by 8 institutions) to 100 mbps (dedicated for SUA) using internally generated funds.

38 Successfully improved SUA teaching venues particularly 4 computer laboratories by planning, and supervising renovation as well as ensuring that there is proper management using internally generated funds (2012/13). This resulted into better practical training and maintenance of computers.

39 Amazingly planned and Supervised the Installation of Wireless Access Points at Sokoine University of Agriculture, in 2012

40 From 2012 to 2014, successfully planned, designed and managed the implementation of Sokoine University of Agriculture Students Information Systems (SUASIS) which have resulted into better tool for various issues including control of payments of students fees thus reducing losses for the university. It also improved e-learning systems by intergrating with MOODLE

41 Successfully managed the planning and increase of training programs hosted by the Computer Centre, SUA. During my leadership we successfully managed to increase training programs from 0 to 2 in 2011. This will ultimately increase university's income.

42 Successfully led the team in positive changes of institutionalizing various best practices by putting in place ICT policy, regulations, and guidelines which was approved by the university council.

43 Successfully planned and managed extension of local area network (LAN) using fiber optic cable. Examples include connecting world bank funded building hosted at Department of Agricultural Engineering and Land Planning, SUA

44 Successfully led the team in planning, designing and establishing the SUA Information Technology Consultancy Bureau in 2011 leading into more income for the university.

45 Successfully managed Information Systems at SUA including servers for E-Mails, DNS, Proxy, Web and various databases (2009-2016)

46 Successfully participated in a planning team for SUA Corporate Strategic Plan (2010 - 2020). In addition, led various teams in strategic planning including action plan developments.

47 Successfully leads, manages staff and financial resources resulting into all the achievements mentioned in this section

Awards and Prizes

○ Awarded a prize in recognition of best performance at work by Trade Unions Congress of Tanzania (TUCTA), May 1, 2016

○ Awarded MEXT scholarship by Japanese government, 2002 - 2008

○ Awarded a prize for being best foreign student in speech delivery, International Student Center, Mie University, Tsu, Japan, 2002

○ Awarded a prize for being best student in Agricultural Economics, Sokoine University of Agriculture, Morogoro, Tanzania, 1997

Education

2005 – 2008 **Ph.D. (Information Systems Engineering)**, *Division of Systems Engineering, Graduate School of Engineering, Mie University*
Tsu, Japan

Thesis Title: *Improving Automatic Text Classification by Discriminant Analysis Techniques*

2003 – 2005 **M.Eng. in Information Engineering**, *Department of Information Engineering, Graduate School of Engineering, Mie University*
Tsu, Japan

Thesis Title: *Applying Machine Learning Techniques to Automatic Text Classification*

2000 – 2001 **Postgraduate Diploma in Scientific Computing**, *Department of Mathematics,* University of Dar es Salaam, Dar es Salaam
Tanzania

Thesis Title: *A Technical Evaluation of Ten Internet Search Engines for Indexing and Retrieving Scientific Literature*

1996 – 1999 **B.Sc. in Home Economics and Human Nutrition**, *Department of Food Science and Technology*, Sokoine University of Agriculture, Morogoro
Tanzania

Thesis Title: *Factors Affecting Consumer Choice and Preference of Carbonated Beverages in Morogoro Municipality*

1993 – 1995 **Advanced Certificate of Secondary Education**, *Chemistry, Biology and Agriculture (CBA)*, Kibaha Secondary School, Pwani
Tanzania

1989 – 1992 **Certificate of Secondary Education**, *Science Stream*, Nsumba Secondary School, Mwanza
Tanzania

Selected Short Courses & Seminars Attended

February 4, 2017 — Public Private Partnership Seminar, Dodoma, Tanzania

July 27 – August 16, 2009 — Attended a Senior African Countries Computer Managerial Personnel Training Program, Sponsored by the Ministry of Education of China and Organized by Southeast University. China.

June 6 – 10, 2010 — Attended a Leadership and Management Workshop, Mombasa, Kenya.

Jan. 14 – March 8, 2002 — Attended a course in Information Systems Engineering as a Third Country Training Program. Conducted at the Institute of Computer Technology of Colombo, Sri Lanka.

2002 - 2004 — Japanese Language Course. Conducted at the International Student Center, Mie University, Tsu, Japan

Experience

Outline of Governance Leadership & Management Experience

March 2018 – May 2024 — **Director-General**, Tanzania Atomic Energy Commission (TAEC)

Main Duties and Responsibilities include:

○ administration and management of the functions and affairs of the Commission in accordance with the policy laid down by the Com- mission.
○ Secretary to the TAEC Board

May 2016 – June 2023 — **Chairman**, TAFES Governing Council.

Main Duties and Responsibilities include:

○ In liaisons with the National Director (CEO), calls meetings of the Council and annual general meeting (AGM), approves the agenda and presides at meetings.
○ Reviews with the National Director recommended policies, plans, budgets and personnel appointments before Council meetings
○ Reviews with the National Director the progress and problems of Management, and ensuring that Management carries out the expressed wishes of Council.
○ Guides the Council in fulfilling her responsibilities of governance including establishing policy framework
○ Ensures the effective functioning of the Committees appointed by Council.
○ Draws optimum participation and contribution from the Trustees of TAFES
○ Oversight of resources mobilization for TAFES
○ Ensures that Council discussions focus only on those issues that are clearly within the purview of the Council

May 2016 – March 2018 — **Deputy Rector (Planning, Finance, Administration)**, College of Business Education.

Main Duties and Responsibilities include:

○ Overall activities of the college's Planning and Financial Management.
○ Supervise and maintain acceptable standards of discipline of staff accordingly.

- Coordinates policy and planning issues at the college.
- Member and Secretary to the Governing Body committees.
- Responsible to the Rector for the general administration and personnel management of the college.
- Advises the Rector in all administrative, legal, personnel and financial matters.
- Formulation of accounting policies and procedures and other relevant policies of the college.
- Safe custody and use of college's assets such as machines and vehicles.
- Custodian of the college's seal.

July 2014 – April 2016 **Director**, Centre for ICT i.e. Computer Centre, Sokoine University of Agriculture (SUA).

Main Duties and Responsibilities include:
- Leading and managing various ICT projects
- Coordinating the acquisition, installation of computer hardware, software and other ICT related matters
- Leading and managing income generating activities of the SUA Computer Centre
- Managing the SUA networking infrastructure and Other ICT related Matters
- Managing Various Information Systems and Electronic Databases
- Planning, budgeting and reporting activities
- Representing the Computer Centre to University Organs and Meeting
- Staff and finance management responsibilities

July 2011 – June 2014 **Acting Director**, Computer Centre, Sokoine University of Agriculture (SUA).

Main Duties and Responsibilities include:
- Leading and managing various ICT projects
- Coordinating the acquisition, installation of computer hardware, software and other ICT related matters
- Leading and managing income generating activities of the SUA Computer Centre
- Managing the SUA networking infrastructure and Other ICT related Matters
- Managing Various Information Systems and Electronic Databases
- Planning, budgeting and reporting activities
- Representing the Computer Centre to University Organs and Meeting
- Staff and finance management responsibilities

July 2011 – April 2016 **Chairman**, Computer Centre Board, Sokoine University of Agriculture (SUA).

Main Duties and Responsibilities include team leadership in
- Organization and Managing Computer Board Membership
- Organization and Managing preparations for the meetings
- Monitoring and evaluation of board decisions
- Chairing all the meetings in absence of the chairman

2009 – June 2011 **Deputy Director**, Computer Centre, Sokoine University of Agriculture (SUA).

Main Duties and Responsibilities include:

o Leading and managing various ICT projects

o Coordinating the acquisition, installation of computer hardware, software and other ICT related matters

o Leading and managing income generating activities of the SUA Computer Centre

o Managing the SUA networking infrastructure and Other ICT related Matters

o Managing Various Information Systems and Electronic Databases

o Assisting in planning, budgeting and reporting activities

o Assisting in Policy formulation

o Representing the Computer Centre to University Organs and Meeting

o Staff and finance management responsibilities

o Being the Acting Director in the absence of the Director

2009 – June 2011 **Vice Chairman**, Computer Centre Board, Sokoine University of Agriculture (SUA).

Main Duties and Responsibilities include team leadership in

o Organization and Managing Computer Board Membership

o Organization and Managing preparations for the meetings

o Monitoring and evaluation of board decisions

o Chairing all the meetings in absence of the chairman

2009 – 2011 **Chairman**, University-wide Web Site Committee, Sokoine University of Agriculture (SUA). This committee has 13 members whom are all Deputy Deans/Directors of Faculties, Institutes, Directorates and Centers.

Main Duties and Responsibilities include team leadership in

o Organization and Managing the SUA Web Site

o Developing guidelines and formats for web content

o Ensuring that all information on all web-pages are updated regularly

o Monitoring and evaluation

o Chairing all the meetings

2010 – 2011 **Chairman**, University-wide Inspection Committee, Sokoine University of Agriculture (SUA). This is according to the Procurement Act No. 21 (2004)

Main Duties and Responsibilities include team leadership in

o Organization and Managing the Procurement Process

o Ensuring that effective management of any procurement of goods and non consultancy services

o Preparation and reporting any deficiencies found in the course of inspection

o Chairing all the meetings

2008 – 2014 **Head**, Information Technology Section, Sokoine National Agricultural Library (SNAL).

Responsibilities include team leadership in

o Managing the library networking infrastructure

o Managing library electronic databases

o Assisting in planning, budgeting and reporting activities

- ○ Training library staff and other users in information technology
- ○ Representing the IT Section to the University and Library Organs
- ○ Chairing all departmental meetings

Computer Skills & Experience

Operating Systems

Linux/Unix, MacO S™ and All Microsoft™ operating systems. Familiar with Solaris™

Computer Programming

Proficient	C, C++ mainly used in teaching and developing packages for Research in Pattern Recognition and Machine Learning
Familiar	Java, Python, Visual Basic, Pascal
Scripts	C, Bash, VBScript, JavaScript
Web	HTML, CSS, XML, PHP, ASP

Tools

Databases	CDS/ISIS™, and MySQL™. I am familiar with Microsoft™ Access and MySQL.
Scientific	GNUPlot, Octave, R, SPSS, PSPP

Typesetting and Office Suites

TEX, LATEX, OpenOffice, Microsoft Office™, Lyx

Highlights of Professional Experience in Information Technology

1999 – Present **Academic Staff (currently Associate Professor)**

Selected accomplishments:

- ○ Successfully Teaches Courses Related to Information Technology; Computer Science/Engineering or Technology as detailed in teaching part
- ○ Successfully does research and publishing in referred articles
- ○ Involved in Automating Sokoine National Agricultural Library (SNAL) since 2000
- ○ Participated in Installation and Configuration of CD/ISIS Library Information System later upgraded to WEBLIS which is online accessible databases in 2000 to 2002 at SNAL
- ○ Developer leader of Student Information Systems for Sokoine University of Agriculture. Currently an Examination Release System module has been accomplished
- ○ Since 2004 has been solely developing software packages for Pattern Recognition and Machine Learning which are being used in various research experiments of automated document classification i.e. Information Retrieval Component. This has resulted into a number of publications as indicated in this CV.

Posts Held

1999 – May 2016 **Employed as an Academic Librarian cum Lecturer and rose to the rank of Associate Libary Professor**, *Sokoine National Agricultural Library cum Sokoine University of Agriculture Library*, Morogoro, Tanzania

Responsibilities:

- ○ Teaching various subjects in information technology
- ○ Conducting research
- ○ Academic adviser to students on research works

- Participation in curriculum development
- Managing Library e-databases, Digital Institution Repository, Networks, Software Development and Management
- Provision of library services including information access
- Provision of consultancy services in information technology

2014 – April 2016   **Activity Manager, Enhancement of Sokoine University of Agriculture Capacity in Utilizing ICT (ESUA-CICT) for increased agricultural productivity**, *Sokoine University of Agriculture*, Morogoro, Tanzania

Responsibilities:

- Technical and administrative management
- Liaison with developmental partners i.e. USAID in day-to-day implementation
- Managing project that include all the work to make the product a reality including liaising with various stakeholders

2012 – April 2016   **Manager, Software Development Project for Sokoine University of Agriculture Student Information Systems (SUASIS)**, *Sokoine University of Agriculture*, Morogoro, Tanzania

Responsibilities:

- Managing the people involved in developing
- Managing the software development processes
- Managing project that include all the work to make the product a reality including liaising with various stakeholders

2003 – 2008   **Teaching Assistant**, *Mie University*, Tsu, Japan

Taught mainly English for Engineering Students used in information Engineering/Technology. In order to facilitate this, a number of topics could be covered include information retrieval, Linux programming

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Updated & Signed

○ Date: February 2025

○ Signature: