

# CURRICULUM VITAE

## (FAMUTIMI R.F. PhD)

### Data Science, Machine Learning, Informatics & Software Engineering

- I. (a) **Name:** FAMUTIMI, Rantiola Fidelis  
(b) **College/Faculty:** College of Computing & Communication Studies.  
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[ranti.famutimi@rffamutimi.com.ng](mailto:ranti.famutimi@rffamutimi.com.ng)  
(e) **Date of Birth** October 8<sup>th</sup>, 1962
- II (a) **First Appointment (with date) :** Systems Programmer I (August 1, 2005)  
(b) **First Academic Appointment (on conversion)** Assistant Lecturer (February 15, 2007)  
(c) **Present post (with date):** Assistant Professor (June 2022)  
(d) **Date of last Promotion:** 1<sup>st</sup> October, 2018  
(e) **Date last considered:** Nil  
(f) **Present salary grade and step:** BUSS 13/4
- III. **Nationality** Nigerian  
IV. **Marital Status:** Married  
V. **Number of Children:** Four
- VI. **Name, Address & Phone No of Spouse:** Mrs Famutimi, Tomike, .O.,  
Line 4, House 8, Agric Qtrs, Ilesa Rd., Ife  
08035882037
- VII. **Name, Address & Phone No of Next of Kin:** Mrs Famutimi, Tomike, .O.,  
Line 4, House 8, Agric Qtrs, Ife  
08105955063
- VIII. **University Education (with dates)**

SNO	NAME	PERIOD
1	Obafemi Awolowo University, Ile-Ife.	2013 – 2018
2	Obafemi Awolowo University, Ile-Ife.	2008 – to 2012
3	University of Eastern Finland, Kuopio. (Software Process Management & Software Testing Courses)	Feb – May 31, 2011
4	Abubakar Tafawa Balewa University, Bauchi	2001 – 2006
5	Obafemi Awolowo University, Ile-Ife	1979 – 1984

IX **Academic Qualification(s) (with dates and granting bodies)**

<b>SNO</b>	<b>DETAILS</b>	<b>PERIOD</b>
1	Ph.D (Computer Science) (Obafemi Awolowo University, Ile-Ife)	2018
2	M.Phil (Computer Science) (Obafemi Awolowo University, Ile-Ife.)	2012
3	Certificate in Software Process Management & Software Testing (University of Eastern Finland, Kuopio.)	2011
4	M.Sc (Computer Science) (Abubakar Tafawa Balewa University, Bauchi)	2006
5	B.Sc (Computer Science) (Obafemi Awolowo University, Ile-Ife)	1984

**X. Professional Qualification(s) and Diploma(s) (with dates)**

<b>SNO</b>	<b>DETAILS</b>	<b>PERIOD</b>
1	Certificate in Software Testing & Process Management (University Of Finland, Kuopio)	2011
2	Nigerian Computer Society (NCS)	1984

**XI. Scholarships, Fellowships, Grants and Prizes (with dates)**

<b>S/NO</b>	<b>DETAILS</b>	<b>PERIOD</b>
	<b>Fellowships</b>	
1	Member, HEI ICT Programme (Higher Education Institutions Institutional Cooperation Instrument) INDEHELA-ICI Project (Institutional Collaborations Instrument for Informatics Development for Health in Africa (Under the supervision of University of Eastern Finland, Kuopio )	2011
	<b>Grants (Bowen University)</b>	
1	(Co Investigator) Development and Evaluation of a Remote Vital Signs Capturing and Health Status Tracking System for Health Challenges Forecasting and Notification	2021
2	(Principal Investigator) Full Digitization of Bowen University Certificate Production	2012

**XII Honours and Distinctions.**

<b>SNO</b>	<b>DETAILS</b>	<b>PERIOD</b>
1	Best voted Computer Science lecturer award Nigeria Association of Computer Science Students (NACOSS), Bowen University Chapter (2009/2010)	2010
2	London Journals Press Quarterly Franklin Membership award (Membership ID#YG20457)	2019

**XIII Mentoring**

<b>SNO</b>	<b>DETAILS</b>	<b>PERIOD</b>
1	As a lead lecturer in Programming Courses, I mentored my students and it resulted into having all the programmers that managed Digital services of my University as my past students.	2020 – 2022
2	Some students I mentored in Programming contested in National Programming Competition Abuja in 2019 and came 1 <sup>st</sup>	2019

**XIV. Previous Work Experience outside the University System:**

<b>SNO</b>	<b>DETAILS</b>	<b>PERIOD</b>
1	COORDINATOR, Programming Unit, Health Information Systems (HIS) Research Group Obafemi Awolowo University, Ile-Ife	2013 - 2018
2	VISITING PROGRAMMER; Ajayi Crowther University, Oyo	2010 – 2011
3	SYSTEMS PROGRAMMER I, Bowen University, Iwo	2005 - 2007
4	SYSTEMS CONSULTANT, Latrix Computers Systems, Kano	2003 - 2005
5	SYSTEMS MANAGER, Intersystem Computer Limited Kano	1992 - 2003
6	SYSTEMS CONSULTANT; Sulaimon and Co Chartered Accountants	1986 - 1992
7	ANALYST / PROGRAMMER;, Equity Computer Systems Ltd, Kano	1985 - 1986
8	TRAINEE PROGRAMMER; Raleigh Industry Nig. Limited, Kano.	1984 - 1985

**XV(a) Details of Teaching Experience at University level.**

<b>SNO</b>	<b>DETAILS</b>	<b>PERIOD</b>
1	Assistant Professor (Software Engineering Programme)	2022 to date
2	Senior Lecturer	2018 – 2022
3	Lecturer I	2015 – to date
4	Lecturer II	2012 – 2015
5	Assistant Lecturer in Computer Science	2007 – 2012
6	Undergraduate Students' Project Supervision	2007 – to date
7	Co Supervisor, - Postgraduate Students	2018 – to date

**(b) Professional Experience at University level.**

<b>SNO</b>	<b>DETAILS</b>	<b>PERIOD</b>
1	Computer consultant for Nigerian Baptist Convention Bookstore	2016
2	Implementation and Maintenance of the digitized Bowen University certificate production software	2012-to date
3	Maintenance of Off-Line students' transcripts for old graduated students	2005 – to date
4	SYSTEM PROGRAMMER I; Bowen University Iwo. , (Off Line computerization of examination result processing and transcripts production)	2005 – 2007
5	Implementation and Maintenance of full Accounting Software for Bowen University Cooperative Investment and Credit Society	2015 - 2022

**(c) Administrative Experience in Bowen University.**

<b>SNO</b>	<b>DETAILS</b>	<b>PERIOD</b>
1	Programme Coordinator, Cyber Security & Information Technology Programmes, College of Computing & Communication Studies	March 1,2022 to Date
2	Member, University Advisory Committee on Directorate of Digital Services Activities.	March 2022 to Date
3	Ag. Programme Coordinator, Computer Science Programme College of Computing & Communication Studies	March to May 2021
4	Member, Examination Malpractices Committee, College of Computing & Communication Studies	2021
5	Member, College of Computing & Communication Studies Postgraduate Abstract Committee	2021 to date

6	Member, Computer Science New Programmes Curriculum Development Committee	2018 – 2021
7	Programmer-in-charge of Maintenance of Bowen University Certificates software	2012 to date
8	Coordinator, CIT Dept., Bowen University Iwo	Mar – Sept. 2014
9	Examination officer, CIT Dept., Bowen University	2012 – 2014
10	Programmer-in-charge, University Examination Reporting System.	2005 – 2011
11	University Programmer , Software systems	2005 – 2007
12	Member, University Industrial Attachment visitation team (SIWES)	2007 – to date
13	Member, University Software Development committee	2006-2007
14	Member, Faculty of Science and Science Education strategic committee	2006-2007
15	Course / level Adviser, 100 Level (2006/2007), 200 Level 2007/2008, 300 Level 2008/2009, 400Level 2009/2010, 100 Level 2018/2019, 200 Level 2019/2020, 300 Level 2020/2021, 400 Level 2021/2022	2007 – 2022
16	Secretary / Member , Time Table & Space Allocation Committee	2008-2012
17	Member, Fac. of Science Examination Malpractices Discipline Committee	2010
18	Final year projects' Coordinator, CIT Dept	2015 – 2017
19	SIWES Coordinator, CIT Dept	2017 to date

#### XVI (a) Courses Taught in 2020/2021 Academic Session

SNO	COURSE CODE	UNITS	TITLE
1	CIT 102	3	Introduction to Problem Solving
2	CIT 203	3	Computer Programming I (using Python)
3	CIT 210	3	Foundation of Sequential Programming
4	CIT 225	3	Object Oriented Programming
5	CIT 216	1	Meaning, Historical & Philosophical Perspectives of Computation
6	CIT 301	3	Visual Basic Programming Language
7	CIT 304	3	Programming with C#
8	CIT 417	3	Programming with Java
9	CIT 499	6	Students Project
10	CIT 801	3	Management and Entrepreneurship

11	SOC 803	3	Computer Application in Sociological Analysis
	TOTAL CREDITS	34	

**(b) Courses Taught in 2019/2020 Academic Session**

SNO	COURSE CODE	UNITS	TITLE
1	CIT 102	3	Introduction to Problem Solving
2	CIT 210	3	Foundation of Sequential Program
3	CIT 203	3	Computer Programming I
4	CIT 304	3	Programming with C#
5	CIT 312	2	Introduction to R Programming
6	CIT 319	3	Programming with Visual Basic
7	CIT 325	3	Survey of Programming Languages
8	CIT 417	3	Programming with Java
9	SOC 803	3	Computer Application in Sociological Analysis
10	CIT 499	6	Students Project
	TOTAL CREDITS	32	

**(c) Courses Taught in 2018/2019 Academic Session**

SNO	COURSE CODE	UNITS	TITLE
1	CIT 102	3	Introduction to Problem Solving
2	CIT 203	3	Computer Programming I (using Python)
3	CIT 211	2	Structured Programming
4	CIT 225	3	Object Oriented Programming
5	CIT 216	1	Meaning, Historical & Philosophical Perspectives of Computation
6	CIT 319	3	Visual Basic Programming Language
7	CIT 303	3	System Analysis & Design Methodologies
8	CIT 325	3	Survey of Programming Languages
9	CIT 417	3	Programming with Java
10	CIT 499	6	Students Project

	TOTAL CREDITS	30	
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**XVII (a) Graduate Study Teaching / Supervision /Peer Recognition**

S/NO	DETAILS	PERIOD
	<b>Teaching / Examination</b>	
1	(Internal) Teaching / Examination of graduate students on CIT801	2021 to date
2	(Internal) Teaching / Examination of graduate students on SOC803	2017 to date

**(b)Peer Recognition**

S/NO	DETAILS	PERIOD
	<b>Nationally</b>	
1	Appointed as External Examiner for PGD student in Computer Science, Adeleke University Ede	2022
2	Appointed as External Examiner for MSc Computer Science student, Adeleke University Ede	2022
3	Nominated for the Fellowship of the Institute of Management Consultants (FIMC) by the International Council of Management Consulting Institutes (ICMCI).	2018
4	Appointed as AICTTRA (2018) Conference Proceedings Review Panel member	2018
	Appointed as Nigerian Baptist Convention Bookstore Computer Consultant	2016
	<b>Internationally</b>	
1	Appointed London Journals Press Quarterly Franklin Membership award (Membership ID#YG20457) on outstanding research topic	2019

**XVIII Membership of Learned Societies**

S/NO	DETAILS
1	Member, Nigerian Computer Society (NCS). Membership No: 00101

2	London Journals Press Quarterly Franklin Membership (Membership ID#YG20457)
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## XIX Research

### (i) **Completed**

(a) Ph.D Research work.

Design and Implementation of In-Memory Technique of Managing Big Data Complexities, Obafemi Awolowo University, Ile Ife, 2018.

(b) M.Phil Research work.

Development of an Enhanced Inter-Process Communication model in distributed systems, Obafemi Awolowo University, Ile Ife, 2012.

(c) M.Sc. Research work.

A comparative study of sequential and parallel programming in some matrix related problems (solution of system of linear equations as a case study), Abubakar Tafawa Balewa University, Bauchi, 2006.

(d) B.Sc project work

Investigation of a digital recording in an audio recording system, Obafemi Awolowo University, Ile Ife, 1984.

### (ii) (a) **On going research**

**(With Bowen University Grant)**

**Title:**

Development and Evaluation of a Remote Vital Signs Capturing and Health Status Tracking System for Health Challenges Forecasting and Notification using Bowen University as case study.

**Brief Summary:**

The aim of this research is to develop a system for the remote capture of vital signs of individuals for health status tracking, forecasting and notification. The specific objectives are to: develop a system for remote capturing of vital signs using Bowen University staff members as a case study; track their health statuses; forecast possible health problems among them and promptly notify the concerned staff of possible health problems.

### (b) **Artificial Intelligence for Education Innovation Research Network in Africa**

**Title:**

*Using Artificial Intelligence to Boost Learning Skills of Children with Autism Spectrum Disorder*

Autism Spectrum disorder has been a challenge which affects people of different age grade. Children have been suffering from this condition resulting into being disadvantaged or marginalized when it comes to learning and other activities. Autism has been clearly established as a learning difficulty that requires special learning provision, and therefore falls in line with special learning needs through the usage of Artificial intelligence technology. The purpose of this project is to develop an AI system that addresses the problem of exclusion of children with autism spectrum disorder in



education in Sub-Saharan Africa. The expected output from the research will ensure that exclusion of children with autism spectrum disorder in education in Sub-Saharan Africa is reduced. This will enable these group of children not to be marginalized and support active participation in learning.

**(c) Management of Health Big Data in Mobile devices.**

Effective application of machine learning in the development of algorithms relies so much in the use of big data. Mobile devices are handy and form alternate devices to the use of computing systems. They are also available to all and sundry. Hence to reap the dividends of machine learning algorithms implementation while using mobile applications, big data management is expected to be incorporated into the mobile application devices, hence this research.

**(iii) Dissertation and Thesis:**

- (a) Famutimi (2018). An In-Memory Technique of managing big data complexities. Unpublished Ph.D Thesis submitted to the Department of Computer Science and Engineering, Obafemi Awolowo University, Ile-Ife.
- (b) Famutimi (2012). A Model for an Enhanced Inter-Process Communication in Distributed Systems. Unpublished M.Phil Thesis submitted to the Department of Computer Science and Engineering, Obafemi Awolowo University, Ile-Ife.
- (c) Famutimi (2006). Investigation of the Superiority of Parallel programming to sequential programming in a multithreaded environment. Unpublished M.Sc Thesis submitted to the Department of Computer Science. Abubakar Tafawa Balewa University, Bauchi.
- (d) Famutimi(1984). Investigation of a digital recording in an audio recording system. Unpublished B.Sc Thesis submitted to the Department of Computer Science and Engineering, Obafemi Awolowo University, Ile-Ife.

**XX. Publication**

- (a) **Books already published:** Nil.
- (b) **Chapters in Books already published:** Nil.
- (c) **Articles that have appeared in learned journals:**

(1). Ayodeji Olusegun Ibitoye , **Rantiola Fidelix Famutimi**, Dauda Odunayo Olanloye, Ehisuoria Akiyoyamen (2021) User Centric Social Opinion and Clinical Behavioral Model for Depression Detection. International Journal of Intelligent Information Systems 2021; 10(4): 69-73.  
<http://www.sciencepublishinggroup.com/journal/paperinfo?journalid=135&doi=10.11648/j.ijis.20211004.15>

(2). Oyelami M.O., **Famutimi R.F.** and Fadare T.S (2021), Development and Evaluation of an Android-based Yoruba Language Proverbs Preservatory and Repository System, International

(3). Emuoyibofarhe O.N., **Famutimi R. F.**, Olanloye D.O., Adebayo S., Abdulraheem A. Ali (2021), **DEVELOPMENT OF WORKFORCE DISEASES DETECTION SYSTEM USING MACHINE-LEARNING MODELS**, Journal of Applied Sciences, Information, and Computing, ISSN No: 1813-3509, pp 24-32

<https://jasic.kiu.ac.ug/article-view.php?i=26&t=development-of-workforce-diseases-detection-system-using-machine-learning-models>

(4). Awoniran O. M. **Famutimi R. F.**, Olatunji P. R., and Famutimi T. I. (2019), “Mobile Phone Short Message Service for Data Management in Immunization Information System”. *Ife Journal of Information and Communication Technology (IJICT)*, Vol 4, pp 25 – 30, ISSN 2645 2413

[https://www.researchgate.net/publication/330203326\\_MOBILE\\_PHONE\\_SHORT\\_MESSAGE\\_SERVICE\\_FOR\\_DATA\\_MANAGEMENT\\_IN\\_IMMUNIZATION\\_INFORMATION\\_SYSTEM](https://www.researchgate.net/publication/330203326_MOBILE_PHONE_SHORT_MESSAGE_SERVICE_FOR_DATA_MANAGEMENT_IN_IMMUNIZATION_INFORMATION_SYSTEM)

(5). **Famutimi R.F.**, Ibitoye A.O., Ikono R.N., Famutimi T.I. (2018). Comparative Study of Disk Resident and Column Oriented Memory Resident Technique for Healthcare Big Data Management Using Retrieval Time. *International Journal of Computer (IJC)* (2018) Volume 31, No 1, pp 92-99

[https://scholar.google.com/citations?view\\_op=view\\_citation&hl=en&user=uWu\\_7pMAAAAJ&citation\\_for\\_view=uWu\\_7pMAAAAJ:u-x6o8ySG0sC](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=uWu_7pMAAAAJ&citation_for_view=uWu_7pMAAAAJ:u-x6o8ySG0sC)

(6). **Famutimi R. F** , Soriyan H. A. , Ibitoye A. O. , Famutimi T.I. (2017). A Case for the Adoption of an In-Memory Based Technique for Healthcare Big Data Management.

*International Journal of Computer (IJC)* (2017) Volume 27, No 1, pp 141-145

<https://ijcjournal.org/index.php/InternationalJournalOfComputer/article/view/1037>

(7).\*\*Ozichi N. Emuoyibofarhe , Christoph Meinel , **Ranti F. Famutimi** , Temitayo Famutimi, Perlich Anja (2015). A Repository Mobile Immunization Reminder System (RMIRS) For Nursing Mothers. *International Journal of Computer (IJC)* (2015) Volume 18, No 1, pp 7-22.

<https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.904.8629&rep=rep1&type=pdf>

(8).\*\***Famutimi R.F**, Emuoyibofarhe O., Akinpelu A., Gambo I., Odeleye D.(2014). Development of a multifactor authentication result checker system through Gsm. *Computer Applications: An International Journal (CAIJ)*, Vol.1, No.2, November 2014. DOI:1501.03834

Digital Library URI:

<http://www.arxiv.org/ftp/arxiv/papers/1501/1501.03834.pdf>

(9)\*\*Ojesanmi O.A, **Famutimi R.F**, (2009) : Adaptive threshold based channel allocation scheme for Multimedia network. *International Journal of Computer Science and Network Security (North Korea )* Vol. 9, No 1, pp 260 – 265. January 2009.

(10) \*\*Soriyan, H.A, **Famutimi, R.F.**, .(2016). An In-Memory Based Big Data Management. International Organisation Of Scientific Research (IOSR). Vol: ??? Issues: ??? . : pp:???

(11).\*\*Emuoyibofarhe, O.N., **Famutimi, R. F.**, Adebayo, S. and Amu, O.E.( 2014 ); “Data Analysis and Visualization on the Distribution of Petroleum Product in the South West of Nigeria.” An International Journal for the application of Wireless and Mobile Computing (IJFAWMC) Volume 3 ISSN: 2141-0720.

(12).\*\*Emuoyibofarhe, O.N., **Famutimi, R. F.**, Adebayo, S. and Oti, G. M. ( 2014 ); “An Online Complaint Management System”. An International Journal for the application of Wireless and Mobile Computing (IJFAWMC) Volume 3 ISSN: 2141-0720.

(d) **Patents :**

(e)**Articles that have appeared in refereed Conference Proceedings:**

(13) \*Soriyan, H.A, Ajayi, A.O, **Famutimi, R.F.**, Ikono R.N.(2015). Implementation of an enhanced inter process communication for health information systems . 9 th Health Informatics in Africa Conference (HELINA 2015). Accra, Ghana.

[https://www.academia.edu/33493543/Proceedings\\_of\\_the\\_9\\_th\\_Health\\_Informatics\\_in\\_Africa\\_Conference\\_HELINA14\\_PART\\_2\\_Preview](https://www.academia.edu/33493543/Proceedings_of_the_9_th_Health_Informatics_in_Africa_Conference_HELINA14_PART_2_Preview)

(14) \***Famutimi, R.F.**, Soriyan, H.A, Ajayi, A.O.(2012). An Enhanced Inter-Process Communication Model For Distributed Systems. International Conference on ICT for Africa, 2012. 21-24<sup>th</sup> March 2012 Makerere University Business School Kampala, Uganda.

[https://files.ihub.co.ke/ihubresearch/uploads/2012/february/1329290252\\_819\\_475.pdf](https://files.ihub.co.ke/ihubresearch/uploads/2012/february/1329290252_819_475.pdf)

(15)\***Famutimi R.F.**, Soriyan H.A, Ajayi A. O, Ayangbekun O.J (2009): Software migration from proprietary to open source platform, contending issues and future trend . Application of Information and Communication Technology to Teaching, research and Administration ( AICTTRA) 2009, International conference on ICT Applications OAU, Ile Ife Nigeria. September 2009. Conference proceedings pp 121 – 126. [https://scholar.google.com/citations?view\\_op=view\\_citation&hl=en&user=uWu\\_7pMAAAAJ&citation\\_for\\_view=uWu\\_7pMAAAAJ:Y0pCki6q\\_DkC](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=uWu_7pMAAAAJ&citation_for_view=uWu_7pMAAAAJ:Y0pCki6q_DkC)

(16)\*Ayangbekun O.J, **Famutimi R.F.** ,Ajadi A.Y and Akinpelu J.A (2009): Design and implementation of Biometric security Using Smart Card. Application of Information and Technology to Teaching, research and Administration ( AICTTRA) 2009, International conference on ICT Applications OAU, Ile Ife Nigeria. September 2009. Conference proceedings pp 108 – 113. [https://scholar.google.com/citations?view\\_op=view\\_citation&hl=en&user=uWu\\_7pMAAAAJ&citation\\_for\\_view=uWu\\_7pMAAAAJ:W7OEmFMy1HYC](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=uWu_7pMAAAAJ&citation_for_view=uWu_7pMAAAAJ:W7OEmFMy1HYC)

(17) \***Famutimi R.F.**, Emuoyibofarhe O.N., Soriyan H.A and Ogunbowale O.A. (2009): Multifactor Authentication System. Proceeding of second international conference on Mobile e-services (iCoMES 2009) VOL 2 ISBN:978-2902-43-8, October 2009, Ladoke Akintola University of Technology, Ogbomoso, Nigeria.

(18)\***Famutimi R.F.**, Ayangbekun O.J., Ajayi A.O and Omotosho L.O (2009). Hibiscus Roselle (SOBO) Wine Production Process Computatinal Model. Nigerian Society of Nutrition conference 2009, Akure, Nigeria.

(19) \*Omotosho L.O.;Soriyan H.A.;Akanbi C.O.;Ajayi A.O.;**Famutimi R.F**;Achimugu P.O (2009). Agent-based Architecture for Elderly Home Care Health Delivery Systems. Proceeding of second international conference on Mobile e-services (iCoMES 2009) VOL 2 ISBN:978-2902-43, October 2009, Ladoke Akintola University of Technology, Ogbomoso, Nigeria.

[https://scholar.google.com/citations?view\\_op=view\\_citation&hl=en&user=uWu\\_7pMAAAAJ&citation\\_for\\_view=uWu\\_7pMAAAAJ:YsMSGLbcyi4C](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=uWu_7pMAAAAJ&citation_for_view=uWu_7pMAAAAJ:YsMSGLbcyi4C)

(20) \*Ayangbekun O.J.;**Famutimi R.F.**;Osungade O.O; and Omotosho L.O (2009). Enhancing Nigeria immunization Programme via Computerization . Proceeding of second international conference on Mobile e-services (iCoMES 2009) VOL 2 ISBN:978-2902-43, October 2009, Ladoke Akintola University of Technology, Ogbomoso, Nigeria.

[https://scholar.google.com/citations?view\\_op=view\\_citation&hl=en&user=uWu\\_7pMAAAAJ&citation\\_for\\_view=uWu\\_7pMAAAAJ:eQOLeE2rZwMC](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=uWu_7pMAAAAJ&citation_for_view=uWu_7pMAAAAJ:eQOLeE2rZwMC)

**f) Books, Chapters in Books and Articles already accepted for publications**

Nil

**g) Technical Reports**

(21) Technical report on Bowen Cooperative Accounting System Software (2016)

(22) Technical report on the upgrade of Digitized University Certificate Software Production (2015)

(23) Technical report on the Off-line University Computerized Examination Reporting system (2005)

(24) Technical report on Cyber security and Cyber crime Seminar (2016)

**h) Creative Writings/Performances**

**XXI Major Conferences Attended with Reports and Papers Read**

(i) Zonal Conference of IT coordinators, Bowen University Iwo 10<sup>th</sup> June. 2021

(ii) IBM Cloud Application developer 2018, Bowen University Iwo 27<sup>th</sup> Feb. – 3<sup>rd</sup> Mar. 2018

(iii) Java Programming Course by Oracle, Redeemer's University, Ede, 19<sup>th</sup> Feb. – 23<sup>rd</sup> Feb. 2018

(iv) Conference: Cyber security And Cybercrime, US embassy, Victoria Island, Oct. 26, 2016

(v) Conference: 9 th Health Informatics in Africa Conference (HELINA 2015). Accra, Ghana,

Paper: Implementation of an enhanced inter process communication for health information systems .

9th Health Informatics in Africa Conference (HELINA 2015,). Accra, Ghana.

- (vi) Work shop on National Health ICT Frame work Sept 4- 5, 2015; Obafemi Awolowo University, Ife.
- (vii) OpenSAP On Line workshop on “Developing Software using Design Thinking”.Sep 23 – Nov 4, 2015.
- (viii) Work shop on Design thinking, Bowen University Library Conference Hall, Nov. 22 – 28, 2015.

**XXII Extra Curricular Activities**

- (a) Professional service of software development and maintenance within Bowen community.
- (b) Professional service of software development and maintenance outside the University community.

**XXIII Contribution to Knowledge** (See next page)

**XXIV Signature and Date:**  **05/07/2022**

## CONTRIBUTION TO KNOWLEDGE AND PRACTICE

In the field of software engineering and artificial intelligence, the first contribution was the design and implementation of an offline Examination Processing System for the University. This system takes care of graduated students transcript production. The system is still being used for old graduated students of Bowen University to date. As a result of the successful implementation of this system, Ajayi Crowther University also invited me for a similar assignment as a visiting programmer (XIV(ii)). Also, in the field of information system, I implemented a fully digitized Bowen University graduated students' certificate production system. This system is currently being maintained to accommodate new faculties as they emerge and it is still been used to date (XV(bii)). An accounting system was also design and implemented for Bowen University Credit Investment and Cooperative Society (XV(b(v))).

In the field of health informatics, we implemented an enhanced inter process communication model for health information systems that improved the retrieval of records from healthcare based system in a distributed environment (XX(e(13), XX(e(14))). If this model is implemented in a healthcare based system, the performance of the system will be greatly improved.

In the field of data science, we developed an In-Memory technique for managing big data complexities in healthcare based system (XX (c(5), c(6)) . If this system is implemented in healthcare based systems, it will make judicious use of available resources in a distributed computing set up, rather than the need for continuous investment on hardware resources.

I hope to concentrate my research efforts in the field of data science, software engineering and databases, with the aim of improving the performance and reducing investment on hardware resources of health information systems. I am also focusing on techniques that will ensure efficient and cost effective big data management in mobile devices.

Signature and Date:  27/09/2022