

CURRICULUM VITAE



Mohammed Ibrahim, PhD

Tel: +2348076331586

e-mail: mibrahima47@gmail.com, m.ibrahim47@yahoo.com
mohammed.ibrahim@kasu.edu.ng

1. NAME: MOHAMMED IBRAHIM
2. STAFF-NO: KASU/SP/287
3. DEPARTMENT: Secure Computing
4. DATE/PLACE OF BIRTH: 12th September, 1984/Kaduna .
5. STATE OF ORIGIN: Kaduna
6. LOCAL GOVERNMENT AREA: Kaduna North
7. NATIONALITY: Nigerian
8. MARITAL STATUS: Married
9. GENDER: Male
10. LANGUAGES SPOKEN: Hausa and English
11. CURRENT CONTACT ADDRESS: Department of Secure Computing,
Faculty of Computing,
Kaduna State University.
12. PERMANENT HOME ADDRESS: No. 16 Kurmi Road R/Guza, Kawo,
Kaduna.
13. DATE OF FIRST APPOINTMENT: 6th APRIL, 2011
14. PRESENT RANK AND SALARY: Senior Lecturer (CONUASS 05/04)
15. EDUCATIONAL QUALIFICATIONS OBTAINED WITH DATES:

EDUCATIONAL QUALIFICATION / INSTITUTION	DATES
(i) Primary School Certificate / (Institution?) L.E.A Primary School Kamuru II	1989 - 1995
(ii) (Secondary School?) Govt. Secondary School, Kamuru Ikulu Govt. Secondary School, Fadan Kaje	1995-1998 1998-2001
(iii) A/Level) /? Remedial Sciences Federal University Of Technology, Minna	2002-2003
(iv) Bachelor of Technology (?)/ (University?) B.Tech Mathematics/Computer Science / Federal University Of Technology, Minna	2003-2008
(v) Master of Science (?)/(University?) Msc Security In Computing/Universiti Putra Malaysia	2011-2013
(vi) Doctor of Philosophy (?)/(University?) PhD Security In Computing/Universiti Putra Malaysia	2018-2022

16. ADDITIONAL QUALIFICATIONS:

COURSE/WORKSHOP	DATES
(a) Cisco Certified Network Associate (Discovery) at AFriHUB Nigeria Limited (Cisco Net. Academy), FUTminna	2008
(b) Certificate of Computer Proficiency at AFriHUB Nigeria Limited (Cisco Net. Academy), FUTminna	2009
(c) Certified Ethical Hacker v8 at Thompson Prometric Prime Testing Center.	2013
(d) AI-assisted Tracking of Worldwide Non-pharmaceutical interventions for COVID-19. IBM Academic Initiative	2022
(e) IoT and Home Automation Forum UCSI,UPM,MMU IEEE student Branches	2022
(f) The Postgraduate Journey Seminar Student Learning Center(University of Otago, New Zealand)	2011
(g) Advanced Digital Appreciation Programme For Tertiary Institution (ADAPTI) Digital Bridge Institute	2016

17. WORKING EXPERIENCE WITH DATES:

PERIOD	EMPLOYER	POSITION HELD
April, 2011-14 th March, 2014	Kaduna State University	Graduate Assistant
March, 2014-19 th October, 2017	Kaduna State University	Assistant Lecturer
2017 -2020	Kaduna State University	Lecturer II
2020-2023	Kaduna State University	Lecturer I
2023	Kaduna State University	Senior Lecturer

18. TEACHING EXPERIENCE WITH DATES:

CATEGORY/ COURSES TAUGHT	DATES
(A) UNDERGRADUATE (UNIVERSITY)	
(i) CSC101 Introduction to Computer Science (3CU)	2014;2015; 2016,2017
(ii) CSC102 Introduction to Problem Solving (2CU)	2015;2016,
(iii) CSC104 Introduction to Problem solving (2CU)	2017, 2018
(iv) CSC201 Computer Programming I (3CU)	2016
(v) CSC204 Fundamental of Data Structure (3CU)	2014, 2015, 2016,2022
(vi) CSC 301 Algorithm Complexity (3CU)	2023
(vii) CSC 405 Org. Of Programming Lang (3CU)	2023
(viii) CSC 403 Net-Centric Computing (3CU)	2015,2016,2017,2022
(ix) CSSCE 404: Data Communication System & Network. (3CU)	2014,2015,2016, 2015 2023 2022,
(x) COSCE 506: Cryptographic Techniques (3CU)	2024
(xi) DNSS 207: Data Security (3CU)	2024
(xii) DCSS 210: Penetration Testing (3CU)	2024
(B) POSTGRADUATE (UNIVERSITY)	
(xiii) MIS 705 Information Security Management (3CU)	2023,2016
(xiv) MIS 728 Information Security Governance (3CU)	2016
(xv) CSC 711 Data Structure and Algorithm Complexity (3CU)	2022, 2023
(xvi) CSC815 Fund. Of Cyber Crime and Cyber Security (3CU)	2022, 2023
(xvii) CSC825 Information Technology Infrastructure	2022,
(xviii) CSC806 Web Application Engineering (3CU)	2022
(xix) CSC 832 Cloud Computing (3CU)	2023
(xx) CSC 846 Inf. System Proj. Mgt (3CU)	2024

19. SUPERVISION

A- UNDEGRADUATE

1. *Arsala Ismail, Assessment of Smartphone Security Caution Based on User Perspective, (2015).*
2. *Nasiru Iliya, Information Technology Infrastructure Monitoring System, 2015.*
3. *Cornelius Haruna, Awareness Level Of Cyber Security Bills Among Nigerians Cyber Space Users, (2015).*
4. *Nehemiah Musa, A Fingerprint Based Application for Admitting Students into Examination Halls, (2015).*
5. *Peter Epaphras Kyomnom, Staff Appraisal System (A Case Study Of Mathematical Sciences Department, Kasu), (2015).*
6. *Muhammad Zayyad, An Android Augmented Reality Application For Marketing Bakery Products, (2015).*
7. *Gusau Muhammad Musa, Real-Time Crime Reporting System, (2015).*
8. *Dembo Zahraddeen Bello, Simulation of An Android Application to Check the Operational Status of an Atm, (2017)*
9. *Nabil Nuhu Bamalli, An Android Application for Keeping Information on African Crafts Translated in Local Language, (2017).*
10. *Dahiru Musa, An ID Card-Based System For Authenticating Users In The University Campus”(2015)*

B- POSTGRADUATE

1. **Chibiya Magai**, *An assessment of Issues And Challenges Facing Information Security Management In Nigerian Tertiary Institution (A case study of Federal College Of Education Yola).*
2. **Igory Harmony Agohgoh**, *Implementation of Three-Factor Authentication for Automated Teller Machine System in Nigerian Banking System.*
3. **Muhammad Muhammad Bello**, *Information Security Policy Compliance From the Perspective of Employees Behaviors in Zaria City.*
4. **Mahmud Muhammed**, *Throughput And Energy Consumption Analysis Of Wireless Sensor Networks Using The Principles Of Game Theory*
5. **Friday Ashemuke**, *Human Face Recognition System Using Geometric Based Approach.*

6. **Joel Yahaya**, *Design and Implementation of an online home services and payment system*
7. **Kabir Sambo**, *A Framework For Inter-Agency Coordination of Cyber Operations for national security.*
8. **Mohammed Nabeel Usman**, *Evaluating The Security of online payment system in the Nigerian Financial Sector*
9. **John Useneno**, *An Evaluation of the Effectiveness of Cyber Threat Intelligence Team In Detecting Malware Attack.*
10. **Abdullahi Abdullahi,(PhD Student)** *Detection of Android Malware Using Enhanced Particle Swarm Optimization For Feature Selection and Grey Wolf For Machine Learning Parameter Optimization.*
11. **Ahmad,Zainab Aliyu**, *Comparative Analysis of Malware Detection Tools*
12. **Abdullahi Mahmood Haruna**, *Usability And Security Implications Of Dark Web Navigation: Designing Accessible Interfaces For Cybersecurity Professionals.*
13. **Abdul Hadi**, *Enhancing Phishing Detection Systems Using Hybrid Machine Learning Classifiers and Data Balancing Techniques*
14. **Amina Bashir**, *Strengthening Cybersecurity Measures for Safeguarding Military Infrastructure*
15. **Aliyu Olalekan Taofeek**, *Machine Learning Based Approach for The Intrusion Detection of Network Traffic in A Controller-Pilot Data Link Communications*

20. RESEARCH/EXTENSION EXPERIENCE WITH DATES:

- i. *(Modeling Based Approach For Reconstructing Evidence of VoIP Malicious Attacks)*, M.SC Thesis, (Universiti Putra Malaysia)
- ii. *(Contact Tracing Strategy To Isolate Infectious Bots In Mitigating IoT Botnet Propagation And Preserve Object of Forensic Interest.)*, PhD Thesis, (Universiti Putra Malaysia)

21. ROUTINE ADMINISTRATIVE DUTIES:

- a) Assistant Departmental SIWES Coordinator (January -July (2014))
- b) Departmental Examination Officer (2014 -2018)
- c) Departmental Postgraduate Coordinator (January, 2022- October, (2022))
- d) Chairman Departmental Quality Assurance Committee (2022- Date)

- e) Member Departmental Curriculum Development Committee(2022-Date)
- f) Member Departmental Accreditation Committee (2014)
- g) Deputy Director (Research and Documentation) (2023 -2024)
Institute of Science, Technology and Management Studies,
Kaduna State University
- h) Member College of Science, Computing and Engineering Disciplinary
Committee, Kaduna State University (2023-Date)
- i) Member College of Science, Computing and Engineering Examination Ethics
Committee, Kaduna State University (2023-Date)
- j) **Head of Department**, Secure Computing, Kaduna State University(2024-date)
- k) Chairman, Faculty of Computing Ethics Committee(2024-Date).

22. RESEARCH GRANT

FRGS-Foundation Research Grant (2019)
Awarded by Malaysian Ministry of Higher Education

23. PROGRAMMING LANGUAGES AND FORENSIC TOOLS:

- A) C, C#, C++, Python
- B) NetLog, R-Studio and TLC model Checker
- C) Wireshark, Nessus and Zemap
- D) FTK, Encase.
- E) Smart System Automation
- F) Android Programming

24. MEMBERSHIP OF PROFESSIONAL BODIES:

- a) Institute of Chartered Accountants of Nigeria (**Student Member**)
- b) Mathematical Association of Nigeria
- c) Android Student Club

25. COMMUNITY SERVICES:

1. Charity Community Development Group, NYSC (**Welfare Officer**)
2. Orphanage Committee, Umaru Gombe, Mosque, R/Guza (**Treasurer**)
3. Member Voluntary Expert Group (VEG)
(National Artificial Intelligence Policy)
4. External Examiner, Department of Computer Science, Kaduna Polytechnic
5. External Examiner, Department of Computer Science, Federal Training Center,
Kaduna.

6. Reviewer, KASU journal of Computer Science.

26. LINK TO DATABASE

1. Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57217278398>
2. Linkin: https://www.linkedin.com/in/mohammed-ibrahim-396b62288?utm_source=share&utm_campaign=share_via&utm_content=profile&utm_medium=android_app
3. Google Scholar: <https://scholar.google.com/citations?user=XaLYV5IAAAA>

27. INTERNATIONAL CONFERENCES ATTENDED:

- a. 1st International Conference on Artificial Intelligence And Islamic Ethics, 2024, Kaduna, Nigeria
- b. 2nd International Conference on Informatics, Computing and Applied Mathematics, 2019, Kuala Terengganu, Malaysia.
- c. 3rd CMI/GTUC International Conference on the Future mobile ICT and New Media in Africa, 2014, Accra., Ghana .
- d. IEEE Int. Conference on Cyber Security, Cyber Warfare and Digital Forensic (Cyber-Sec 2012) Malaysia.

28. LOCAL CONFERENCES ATTENDED:

CyberSecure Nigeria 2019, Conference “Implementing CyberSecurity And Data Privacy Practice In Nigeria” Abuja, Nigeria.

29. PUBLICATIONS/ARTICLES:

(A) In Peer Reviewed Journals and Books:

1. John Ogbiti , Henry C. Ukwuoma, Salome Danjuma, & **Mohammed Ibrahim**(2016). Energy Consumption in Wireless Sensor Network. *Computer Engineering and Intelligent Systems*. ISSN: 2222 – 1719,(7)(8).
2. **Mohammed Ibrahim**, Mohd Taufik Abdullah, & Ali Dehghantanha (2012). Modelling Based Approach for Reconstructing Evidence of VoIP Malicious Attacks. *International Journal of Cyber-Security and Digital Forensic*,(IJCSDF) 1(4):324-340 . The Society of Digital Information and Wireless Communications, (ISSN: 2305-0012)
3. **Mohammed Ibrahim**, Abdullahi Abdullahi, Muhammad Aminu Ahmad, Rabi Mustapha (2023). A Comparative Analysis of Android Malware Detection With and Without Feature Selection Techniques Using Machine. *Slu Journal of Science and Technology(SLUJST)* . 6(1 & 2)

4. Adam Y, Sulaimon H.A., Ahmad M.A, and **Ibrahim M** (2020). A secrecy and Authenticity of Information Using Network Intrusion Detection System Based on Cryptography. "*Bayero Journal of Physics and Mathematical Sciences.*"
5. **Mohammed Ibrahim**, Mohd Taufik Abdullah, Azizol Abdullah, Thinagaran Perumal (2021). Correction To: The Impact of Memory-Efficient Bots on IoT-WSN Botnet Propagation. *Wireless Personal Communication*, 119(2107)
6. **Mohammed Ibrahim**, Mohd Taufik Abdullah, Azizol Abdullah, Thinagaran Perumal (2020). An Epidemic Based Model for the prediction of OOFI in an IoT Platform. "*Int. Journal of Engineering Trends and Technology (IJETT)*"
7. Adam Y, Sulaimon H.A., Ahmad M.A, and **Ibrahim M** (2020). An Overview of Intrusion Detection and Prevention Systems (IDPSs). "*Bayero Journal of Physics and Mathematical Sciences.*"
8. **Mohammed Ibrahim**, Mohd Taufik Abdullah, Azizol Abdullah, Thinagaran Perumal (2021). IoTContact: A Strategy For Predicting Contagious IoT Nodes In Mitigating Ransomware Attacks. "*Turkish Journal of Computer and Mathematics Education*"
9. **Mohammed Ibrahim**(2022), Mitigation-Based Approach For Self-Propagating Worms in Wireless Sensor Network. *Jewel Journal of Scientific Research*. ISSN:2756-651X, 7(2), 236-248
10. **Mohammed Ibrahim**,Abdullahi Abdullahi, Khalid Haruna and Alhassan Adamu (2023), Survey On Literature For The Detection Of Android Malware Using Machine Learning. *Bima Journal of Science and Technology*. 7(1)
11. **Mohammed Ibrahim**, Aminu Muhammed, Muhammad Aminu Ahmad and Alhassan Adamu (2022), An Improve Accuracy For The Forecasting of Power Generation Over a Long-Term Horizon. *FUDMA Journal of Sciences*.
12. **Mohammed Ibrahim**, (2021), Epidemic Based Modelling For The Mitigation of IoT Botnet Propagation at Equilibrium Point. *KASU Journal of Mathematical Sciences*.
13. **Mohammed Ibrahim**, Mohd Taufik Abdullah,, & Muhammad Aminu Ahmad (2019). IoT-Based Forensic System for Monitoring and Detecting Farmers-Herders Activities in Nigeria . *Proceedings of the Cyber Secure Nigeria 2019*

Conference. CBN International Training Institute, Maitama, pp. 17-22: Abuja, Nigeria.

14. **Mohammed Ibrahim**, Mohd Taufik Abdullah, Ali Dehghantanha (2012). VoIP evidence model: A new forensic method for investigating VoIP malicious attacks. *Proceedings of IEEE Int. Conference on Cyber Security, Cyber Warfare and Digital Forensic. (Cyber-Sec 2012)* Malaysia.
15. John Temitope Ogbiti, **Mohammed Ibrahim**, Olushola A. Adetunmbi(2022). Intelligent Transportation Systems And Traffic Management Using Wireless Sensor Network. *Timbou-African Academic Publication*, University of South Australia, Adelaide, South Australia, Australia.
16. Iliya, N., Ahmad, M. A., and **Mohammed I**, (2022). A Generalized Dataset and Anomaly-based Framework for Fake News Detection and Classification Using Machine Learning. *Bayero Journal of Physics and Mathematical Sciences*. Bayero University Kano, Nigeria.
17. Aishatu A., Khalid H., **Mohammed I**, Habeebah A.K., and Aminu U.J.,(2024). An Improved Predictive Model for Covid-19. *Babura Journal of Science, Engineering and Technology*. Federal University of Technology, Babura, Nigeria.
18. Ramat Imam Abba, **Mohammed Ibrahim**, IR Saidu and Nasiru Iliya(2024). A User – Centric Cryptographic System for Secured Electronic Mail Communication. *Kasu Journal of Computer Science*. Kaduna State University. (Accepted)

(B) Paper Presented at Conference and Seminars:

- i. An Epidemic Based Model For The Predictions of OOFI In an IoT Platform “2nd International Conference on Informatics, Computing and Applied Mathematics,”. 2019, Kuala Terengganu, Malaysia.
- ii. IoT-Based Forensic System for Monitoring and Detecting Farmers-Herders Activities in Nigeria “Cyber Secure Nigeria 2019 Conference” Abuja, Nigeria.
- iii. Formal Approach for Investigating SPIT Scenario “ 3rd CMI/GTUC International Conference on the Future mobile ICT and New Media in Africa,” 2014, Accra., Ghana.

- iv. VoIP evidence model: A new forensic method for investigating VoIP malicious attacks. *IEEE Int. Conference on Cyber Security, Cyber Warfare and Digital Forensic*. (Cyber-Sec 2012) Malaysia.
- v. Isolation of Object of Forensic Interest In Mitigating Mirai Botnet Propagation. 2024 IEEE Int. Conference on Cyber Security and Computing (CYBERCOMP). Malacca, Malaysia. (Accepted)
- vi. Enhancing Phishing Universal Resource Locator Detection Systems Using Hybrid Machine Learning Classifiers and Data Balancing Techniques.12th IEEE Conference on Systems, Process & Control (ICSPC 2024), Malacca, Malaysia.(Accepted)

30. HOBBIES:

Reading and Travelling

31. REFEREES:

i. Assoc.Prof. Dr Mohd Taufik Abdullah

Coordinator, Master of Information Security Programme,
Department of Computer Science,
Faculty of Computer Science and Information Technology,
Universiti Putra Malaysia.

Mobile:+603-89471724, +60166979784

E-mail: taufik@upm.edu.my

ii. Assoc. Prof. Dr Azizol Bin Abdullah

Department of Communication,
Faculty of Computer Science and Information Technology,
Universiti Putra Malaysia.

Mobile:+60122085125

E-mail: azizol@upm.edu.my

iii. Assoc. Prof. Dr Thinagaran Perumal

Department of Computer Science,
Faculty of Computer Science and Information Technology,
Universiti Putra Malaysia.

Mobile:+60126594933

E-mail: thinagaran@upm.edu.my

