

Muhammad Aminu Ahmad, PhD

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EXECUTIVE LEADER | SEASONED ACADEMIC | SENIOR IT SPECIALIST

PROFESSIONAL SUMMARY

Accomplished leader with 5+ years of experience in leading team members to ensure successful completion of assigned duties. Experienced in collaborating with cross-functional teams on key skill development. Proven track record of knowledge dissemination and mentorship for 13+ years, and driving business success and improvement through IT innovation for 5 years. Committed to contributing to success through advancement and innovation.

AREAS OF EXPERTISE

- | | | |
|----------------------|-----------------------|-------------------------|
| ✓ Strategic Planning | ✓ Global Partnership | ✓ Research and Analysis |
| ✓ Problem-solving | ✓ Project Management | ✓ IT Management |
| ✓ Training | ✓ Data Analysis | ✓ Cyber Security |
| ✓ Team building | ✓ Conflict Resolution | ✓ System Development |
| ✓ Change Management | ✓ Employee Evaluation | ✓ Business Intelligence |

CAREER HIGHLIGHTS

Academia: 13+ years of knowledge dissemination, research and innovation for sustainable development.

IT Specialist: 5+ years of developing information technology solutions for business development and success.

Team Management: 5+ years of overseeing diverse teams of professionals in IT and Higher Education.

WORK EXPERIENCE

LEADERSHIP EXPERIENCE

Dean, Faculty of Computing, Kaduna State University, Kaduna, Nigeria | May 2023 - Present

Responsibilities

- Developed strategies for the advancement of academic activities, innovation, collaborations, welfare, funding, ranking and visibility.
- Liaised with heads of departments to ensure success and timely completion of day-to-day academic and administrative activities of staff and students in their respective departments.
- Presented monthly reports on activities, funding, expenditure and future plans of the Faculty of Computing at the Faculty Board, University Management and Senate Committee meetings.

Successes

- Implemented a new structure for the Faculty of Computing with six (6) undergraduate programmes and seven postgraduate programmes distributed across three (3) new departments.
- Introduced five (5) new degree programmes based on the societal and industrial demands for state-of-the-art digital skills.

Director, Centre for Information and Communications Technology, Kaduna State University, Kaduna, Nigeria | October 2022 - Present

Responsibilities

- Oversaw daily operations of stakeholders and other units to ensure seamless and robust service delivery for all stakeholders and timely completion by students.
- Held monthly meetings with four (4) coordinators and 20+ resource persons to discuss progress, future planning and ensure timely completion of trainings within (3) months.
- Presented monthly reports on progress, funding, expenditure and future plans at the University Management and Senate Committee meetings.

Successes

- Implemented a comprehensive digital skills acquisition programmes at certification and diploma levels with 100+ graduates within two (2) years of commencement.
- Trained 50+ diploma students on CCNA certifications to completion through collaboration with CISCO.
- Established three (3) new certification and diploma programmes to meet increasing societal demands.

Chair, ICT Development Committee, Kaduna State University, Kaduna, Nigeria | March 2019 – October 2021

Responsibilities

- Supervised a team of 10+ front-end and back-end developers and IT support staff on development of university information management systems.
- Organised and execute a capacity building training for 200+ staff on digital literacy for beginners, intermediaries and professionals and use of KASU management information systems.
- Supervised the deployment of advanced ICT infrastructure for efficiency, effectiveness, viability of ICT systems and processes.

Successes

- Led the advancement and deployment of ICT infrastructure to support academic and administrative services which reduced service delivery cost by 45% and data processing time by 65% in two (2) years.
- Increased productivity by 25% by producing 200+ ICDL certified staff on digital literacy from basic to professional levels.

Head, Department of Computer Science, Kaduna State University, Kaduna, Nigeria | October 2018 – September 2022

Responsibilities

- Developed a 5-year strategic plan for the advancement of academic activities, facilities, research, collaborations, staff recruitment, student engagement, welfare, funding, ranking and visibility.
- Managed daily operations of forty-five (45) staff, liaised with all departments and units to ensure seamless and robust service delivery for all stakeholders on any given workday.
- Presented monthly reports on budgets, academic progress of the department, funding, expenditure and future plans at the Departmental board, University Management and Senate Committee meetings.

Successes

- Implemented a comprehensive 5-year strategic planning and oversaw the achievement 90% of the strategic goals in four (4) years.
- Onboarded twenty-three (23) new academic staff and one laboratory technologist on tenure appointment. This increased the staff strength by more than 140% and enhanced service delivery by more than 200%.
- Spearheaded the establishment of Part-time BSc Computer Science degree programme.
- Spearheaded the establishment of Faculty of Computing and Centre for Information and Communication Technology (CICT) to meet the increasing societal and industrial demands for digital skills.

Programme Coordinator, Department of Mathematical Sciences, Kaduna State University, Kaduna, Nigeria
| June 2017 – September 2018

Responsibilities

- Oversaw academic and administrative activities of undergraduate students to ensure effective service delivery and timely completion.
- Developed strategies on advancing the status of Computer Science Unit in the Department of Mathematical Sciences to Department of Computer Science.
- Presented reports on academic and administrative structure of the Department of Computer Science funding, expenditure and future plans to University Management and Senate Committee meetings.

Successes

- Spearheaded the establishment of Department of Computer Science from Computer Science Unit of the Department of Mathematical Sciences.
- Overhauled undergraduate and postgraduate curricula to meet accreditation and world standards, revising the syllabi to provide state-of-the-art skills for students.

Examination Officer, Department of Mathematical Sciences, Kaduna State University, Kaduna, Nigeria
| October 2012 – August 2013

Responsibilities

- Coordinated examinations of computer appreciation programme for 2000+ students across the university to a timely completion for two consecutive semesters.
- Liaised with resource persons and programme coordinators on exam questions, assessments and record management leading to successful completion of the programme by students.
- Presented reports on examination assessment per semester at the departmental board and university senate meetings.
- Presented reports on the overall assessment for consideration at the departmental board and University Senate levels for issuance of certificate of completion.

Undergraduate Program Coordinator, Department of Mathematical Sciences Kaduna State University
| January 2011 – August 2013

Responsibilities

- Oversaw day-to-day academic activities of undergraduate students, resolve challenges and mentored more than 400 students to successful graduation.
- Presented reports on student academic activities, progress, results and graduation information at the Departmental Board, University Management and Senate Committee meetings.

Successes

- Developed the structures of four (4) postgraduate diploma and MSc Computer Science programmes, which were successfully established and student started enrolling in 2014.
- Organised and delivered hands-on trainings in computer programming, networking, web development for 200+ students to enhance their skills in preparation for entrepreneurship and career in industry.
- Mentored more than 400 undergraduate students to a timely and successful graduation.

PROFESSIONAL EXPERIENCE

Cyber Security Engineer, University of Greenwich, Chatham, Kent, United Kingdom | September 2013 - October 2016

Responsibilities

- Monitored network security using Snort, Bro, IPtables, Cisco IOS Firewall and SDM, IPsec VPN, Suricata, Nessus, Solarwinds bandwidth analyser, Nload, iftop and Wireshark;
- Oversaw network traffic analysis, collection, generation, replay and management using Datacom network taps and traffic management tools such Wireshark, tcpdump, Ostinator and Solarwind bandwidth analyser;
- Managed data collection, analysis, interpretation and presentation using machine learning and other tools such as MATLAB and SPSS.
- Produced monthly report on network and security management.

Successes

- Developed and configured computer networks and testbed for malware analysis and their prevention mechanisms using VMware technologies, Microsoft and Linux operating systems and other tools.
- Developed a real time technique to counter malware propagation across computer networks.

System Analyst, Credible Computer Institute, Awo, Ekiti, Nigeria | January 2009 - December 2010

Responsibilities

- Oversaw computer hardware and software installation, computer network troubleshooting and management
- Analysed data using Microsoft Word and Excel.
- Managed records using Microsoft Access 2007;
- Trained students on Office suites and Computer components.

Industrial Worker, MC Personnel LTD, Kent, United Kingdom | July 2008 – January 2009

Responsibilities

- Oversaw the assembly and packaging of finished products such as cosmetics, cleaning items and other household and office items.
- Presented daily report of packaged industrial products.

Success

- Achieved 100% daily target of all the finished products.

TEACHING EXPERIENCE

Associate Professor, Department of Computer Science, Kaduna State University, Kaduna, Nigeria | October 2022 - Present

Responsibilities

- Taught Computer Programming (Python), Algorithms, Programming Concepts, Machine learning, Data Mining and Big Data Analytics, which are postgraduate courses averaging 30 students per semester.
- Organised tests, exams and coursework.
- Coordinated laboratory session with a team of three teaching assistants.
- Invigilated and assessed semester examinations.

Success

- Supervised four (4) MSc Computer Science Dissertations and one (1) thesis to successful completions.

Senior Lecturer, Department of Computer Science, Kaduna State University, Kaduna, Nigeria | October 2019 - September 2022

Responsibilities

- Taught Fundamentals of Artificial Intelligence, Machine learning, Data Mining and Analytics, Malware Analysis, Ethical Hacking and Penetration testing, which are postgraduate courses averaging 45 students per semester.
- Coordinated laboratory session with a team of four (4) teaching assistants.
- Invigilated semester examinations.

Successes

- Supervised fourteen (14) MSc Computer Science dissertations to successful completions.
- Revised syllabi to meet accreditation standard of undergraduate and postgraduate degree programmes.

Lecturer, Department of Computer Science, Kaduna State University, Kaduna, Nigeria | June 2017 - September 2019

Responsibilities

- Taught Computer Programming (Java, Python), Computer Networking, Information Security, Computer

Hardware, Digital Systems, Computer Architecture and Organisation, Web Application Development and Internet Technologies, which are undergraduate courses averaging 150 students per semester.

- Organised and assessed tests, exams and coursework.
- Coordinated laboratory session with a team of three (3) laboratory technologists.
- Invigilated semester examinations.

Success

- Supervised ten (10) undergraduate student projects to completion.

Lecturer, School of Engineering, University of Greenwich, London, United Kingdom | September 2015 - May 2017

Responsibilities

- Taught Computer Programming (C++, C#), Algorithms, Computer Networking, Data Management, Data Analysis, Network Security and Process Design and Modelling, which are undergraduate courses averaging 70 students per semester.
- Assisted in developing and accessing tests, exams and coursework.
- Invigilated semester examinations.

Success

- Supervised three (3) undergraduate student projects to completion.

Assistant Lecturer, Department of Mathematical Sciences, Kaduna State University, Kaduna, Nigeria | Dec 2010 - Aug 2013

Responsibilities

- Taught introduction to computer science, object-oriented programming (C, C++, C#, Java, Python and VB.Net), computer networking, computer hardware, which are undergraduate courses averaging 200 students per semester.
- Coordinated laboratory session with two laboratory technologists.
- Developed and assessed tests, exams and coursework.
- Invigilated semester examinations.

Success

- Supervised twenty-five (25) undergraduate student projects to completion.

EDUCATION

| | |
|--|-----------------|
| PhD in Cyber Security, University of Greenwich, London, United Kingdom | Apr 2017 |
| Thesis: "An Investigation of Network Countermeasure Against Fast Self-Propagating Malware" | |
| M.Sc. Computer Networking, University of Greenwich, London, United Kingdom | Oct 2008 |
| Dissertation: "Strengthening the Security of Microsoft Windows Operating Systems" | |
| B.Sc. Computer Science, Usmanu Danfodiyo University, Sokoto, Nigeria | Oct 2006 |
| Graduated with Second Class Honours | |

PUBLICATIONS

Books

1. **Muhammad Aminu Ahmad** and Abdullahi J. Ismaila, Fundamentals of Computing and Problem Solving, John Wiley & Sons Inc., 2019. ISBN: 978978566543.
2. Abdullahi J. Ismaila and **Muhammad Aminu Ahmad**, Introduction to the Computer: A Management Tool, John Wiley & Sons Inc., 2019. ISBN: 9789783557873.

Book Chapters

1. **Muhammad Aminu Ahmad**, The SAGE Encyclopaedia of the Internet Worm, The SAGE Publications Inc., 2018. Print ISBN: 9781473926615, Online ISBN: 9781473960367.
2. Gudu, E. B., Wisdom, D. D., Joseph, G. G., **Ahmad, M. A.**, Isaac, S., & Akinyemi, E. A. (2021). Mathematical Recipe for Curbing Coronavirus (COVID-19) Transmission Dynamics. In Data Science for COVID-19 (pp. 527-545). Academic Press.
3. Mustapha, R., Ahmed, M. A., & **Ahmad, M. A.**, Validation of Computational-Rabi's Driver Training Model for Prime Decision-Making, in Information and Communication Technology and Applications, Springer Nature, 2021. ISBN 978-3-030-69143-1.

Journal Articles

Data Science and Machine Learning

1. Abdullahi, H. I., **Ahmad, M. A.**, & Haruna, K. (2024). Twitter Sentiment Analysis for Hausa Abbreviations and Acronyms. Science World Journal, 19(1), 101-104.
2. Isaac, S., Haruna, K., **Ahmad, M. A.**, & Mustapha, R. (2023) Deep Reinforcement Learning with Hidden Markov Model for Speech Recognition, Journal of Technology & Innovation (JTIN) 3(1)
3. Ibrahim, M., Muhammed, A., **Ahmad, M. A.**, & Adamu, A. (2022). An Improved Accuracy for The Forecasting of Power Generation Over A Long-Term Horizon. FUDMA Journal of Sciences, 6(6), 318-324.
4. Bassi, H., Sulaimon, H. A., & **Ahmad, M. A.** (2020). Drowsy Driver Detection and Monitoring System Using Support Vector Machine. ATBU Journal of Science, Technology and Education, 8(3), pp 122-130.
5. R. D. Bello, H. A. Sulaimon, M. L. Abdurrahman & **M. A. Ahmad** (2020) Deep Recurrent Neural Network for Pollution Forecasting in Smart Cities, Bima Journal of Science and Technology, Vol. 4(2) pp 199-205
6. R. M. Saadu, H. A. Sulaimon, **M. A. Ahmad** & M. L. Abdurrahman & (2020) Nonlinear Autoregressive Neural Network for Wind Power Generation Forecasting, Bima Journal of Science and Technology, Vol. 4(2) pp 227-236
7. Mustapha, R., **Ahmad, M. A.**, Daniel, A., Ahmed, M. A., & Hussaini, M. (2020). Validating Measures of Driver Behaviour's Training Factors for Prime Decision-Making. Science World Journal, 15(1) pp 102-112.
8. Kurugh, K. J., **Ahmad, M. A.**, & Babajo, A. A. (2020). The Effect of Datasets on Breast Cancer Detection Models. FUDMA Journal of Sciences, 4(4), 309-315.
9. Abdulhamid, Umar Faruk, **Muhammad Aminu Ahmad**, and Simon Daniel. "Detection of Soya Beans Ripeness Using Image Processing Techniques and Artificial Neural Network." (2018).

Cyber Security

10. Salisu, G. N., **Ahmad, M. A.**, & Mustapha, R. (2023). An Improved Round-Robin Consensus Algorithm for the Evaluation of Land Document. Sule Lamido University Journal of Science & Technology Vol. 7 No. 1 [June, 2023], pp. 134-144
11. Ibrahim, M., Abdullahi, A., **Ahmad, M. A.**, & Mustapha, R. (2023). A Comparative Analysis of Android Malware Detection with and without Feature Selection Techniques using Machine. SLU Journal of Science and Technology, 6(1&2), 235-246.
12. Adedoyin Abiodun Talabi, Olumide Babatope Longe, **Muhammad Aminu Ahmad**, Kunle Olusanya (2022) Cloud-Based Approaches to Multi-Modal Biometric-Based Authentication in Identity Management Systems, International Journal of Intelligent Computing Research, VOL.13(1), pp 1141 – 1146

13. 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*, VOL. 13(2), pp 46-58
14. Aisha M. Ali, **Muhammad A. Ahmad** (2022) Hybridization of K-means and C5.0 algorithms for the detection of phishing email, *Equity Journal of Science and Technology*, VOL. 9(1), pp 18 – 22
15. Muhammed Zaharadeen Ahmed, Abdulkadir Hamidu Alkali, **Muhammad Ahmad Aminu**, Fatima Zakari Abacha and Dauda Yusuf (2020) Throughput Analysis and Data Sharing Technique to Assess the Impact of Blockchain Technology using Cryptographic Algorithm, *Arid Zone Journal of Basic and Applied Research*, VOL. 1(5), pp 52 –61.
16. Yiye, J., Mustapha, R., **Ahmed, M. A.**, & Bassi, H. (2022). Digital Forensic Investigation of Cyberstalking and Social Media Harassment using Network Forensic Analysis. *ATBU Journal of Science, Technology and Education*, 10(3), 1-10.
17. Bawa, A. G., Ayuba, P., & **Ahmad, M. A.** (2020). Botnet detection from drive-by downloads. *Science World Journal*, 15(1), 119-125.
18. **Muhammad Aminu Ahmad** and Abdullahi Ismai'la Jihad, "Early Detection and Containment of Network Worm" *Science World Journal*. Vol 14(2), pp 118-128 (2019).
19. **Ahmad, M. A.** (2019). The V-network: a testbed for malware analysis. *Science World Journal*, 14(3), 70-76.
20. **Muhammad Aminu Ahmad.** " On the Containment of Fast Scanning Internet Worm" *Kaduna Journal of Postgraduate Research (KJPR)* Vol 1(1) (2019).
21. **Muhammad Aminu Ahmad.** " Safeguarding the Propagation of Fast-spreading Network Worm" *Kaduna Journal of Postgraduate Research (KJPR)* Vol 1(1) (2019).
22. **Muhammad Aminu Ahmad**, Abubakar S. Magaji, and Sani Dari, "NEDAC: A Worm Countermeasure Mechanism." *Science World Journal*. Vol 11(1), pp 32-36 (2016).

Networking and Communication

23. **M. A. Ahmad**, D. D. Wisdom, S. Isaac, and U.C. Arinze (2020) Performance Analysis and Optimization of Buffer Sizes for Heterogeneous Network Traffics, *International Journal of Software Engineering & Computer Systems (IJSECS)* VOL. 6(2), pp 84 – 93
24. Isaac, S., Wisdom, D. D., **Ahmad, M. A.**, & Christian, A (2020) U. Battery-Life Management with An Efficient Sleep-Mode Power Saving Scheme (BM-ESPSS) In *IEEE 802.16 e Networks*, *International Journal of Mechatronics, Electrical and Computer Technology (IJMEC)* Vol. 11(39), Jan. 2021, PP. 4899-4904
25. D. D. Wisdom, **M. A. Ahmad**, N. Faruk, S. Isaac, H. Idris & J. B. Hassan (2020) An Enhanced Power Saving Scheme (EPSS) in *IEEE 802.16e Networks*, *International Journal of Information Processing and Communication (IJIPC)* Vol. 9(1), pp. 448-461

Computational Systems/Algorithms

26. Mustapha, R., Lawal, F. I., & **Ahmad, M. A.** (2023). Automated conversion of numeral to words in Hausa language. *Gadua Journal of Pure and Allied Sciences*, 2(2), 140-145.
27. Kankia, L. B., Ayuba, P., & **Muhammad, A. A.** (2022). Pupils' Perception on Gamification of Mathematics as a Tool for Technological Growth and Development in Kaduna State. *Gusau International Journal of Management and Social Sciences*, 5(3), 15-15.
28. Jihad, A. I., & **Aminu, A. M.** (2020). A Hybrid Approach to Detecting Deadlock in STGs Unfoldings Using SAT. *KASU Journal of Mathematical Science*, 1(2), 1-13.
29. Maryam Lawal Ibrahim and **Muhammad Aminu Ahmad.** " An Enhanced RGB Projection Algorithm for Content Based Image Retrieval." (2019).
30. Magaji A. S., Abdulkadir S., Peter A., **Muhammad A. A.** and Yushau I. A., "An Evaluation of Kaduna State University Admission Exercise." *International Journal of Educational Sciences*. Vol 5 (2), pp. 131-135 (2013).
31. **Aminu, A. M.**, Abubakar, S. M., Peter, A., and Abdulkadir, S., (2013), "An Optimal Electricity Distribution Algorithm for XYZ Electricity Distribution Zone." *International Journal of Advance Computer Technology (IJCT)*, ISSN: 2319-7900, pp. 25-29.

Data Science

1. Abdullahi, S. S., Yiming, S., Muhammad, S. H., Mustapha, A., **Aminu, A. M.**, Abdullahi, A., ... & Aliyu, S. M. (2021, June). Deep Sequence Models for Text Classification Tasks. In 2021 International Conference on Electrical, Communication, and Computer Engineering (ICECCE) (pp. 1-6). IEEE.
2. Mustapha, R., Ahmed, M. A., & **Ahmad, M. A.** (2020). Validation of Computational-Rabi's Driver Training Model for Prime Decision-Making. In ICTA (pp. 632-644).
3. Mustapha, R., **Ahmad, M. A.**, Ahmed, M. A., & Hussaini, M. (2020, July). Mathematical Verification of Hybrid Model for Prime Decision-Making in Driving. In The International Conference on Emerging Applications and Technologies for Industry 4.0 (pp. 166-180). Springer, Cham.

Cyber Security

4. Mohammed Ibrahim, Mohd Taufik Abdullah, and **Muhammad Aminu Ahmad**, "IoT-Based Forensic System for Monitoring and Detecting Farmers-Herders Activities in Nigeria." Proceedings of the Cyber Secure Nigeria April 2019, Nigeria.
5. **Muhammad Aminu Ahmad** and Steve Woodhead and Diane Gan, "A Safeguard Against Fast Self-Propagating Malware." The 6th International Conference on Communication and Network Security (ICCNS 2016), November 26-29, 2016, Singapore
6. **Muhammad Aminu Ahmad** and Steve Woodhead and Diane Gan, "Early Containment of Fast Network Worm Malware." Third NAFOSTED Conference on Information and Computer Science (NICS) (NICS 2016), September 14-16, 2016, Danang, Vietnam.
7. **Muhammad Aminu Ahmad** and Steve Woodhead and Diane Gan, "A Countermeasure Mechanism for Fast Scanning Malware". International Conference on Cyber Incident Response, Coordination, Containment & Control (Cyber Incident 2016). June 13-14, 2016, London, UK.
8. **Muhammad Aminu Ahmad** and Steve Woodhead and Diane Gan, "The V-Network Testbed for Malware Analysis." International Conference on Advanced Communication Control and Computing Technologies (ICACCCT' 16). May 25-26, India.
9. **Muhammad Aminu Ahmad** and Steve Woodhead, "Containment of Fast Scanning Computer Network Worms." International Conference on Internet and Distributed Computing Systems. Springer International Publishing, 2015.
10. Tidy, L.J., Shahzad, Khurram. **Muhammad Aminu Ahmad**, Woodhead, Steve, "An assessment of the contemporary threat posed by network worm malware". The Ninth International Conference on Systems and Networks Communications (ICSNC 2014). October 2014, Nice, France.

Information Systems

11. Mustapha, R., Ahmed, M. A., & **Ahmad, M. A.** Knowledge Management in Pandemics: Design and Implementation of Social Distancing Mobile Application. Knowledge Management International Conference (KMICe) 2021

Networking and Communications

12. Wisdom, D. D., Isaac, S., Saidu, I., **Ahmad, M. A.**, Tambuwal, A. Y., & Faruk, N. An Efficient Sleep-Window-Based Power Saving Scheme (ESPSS) In IEEE 802.16e Networks. 15th International Conference on Electronics Computer and Computation (ICECCO 2019).

PROFESSIONAL TRAININGS

| | |
|---|------|
| Research Funding and Grant Writing Training Digital Bridge Institute, Abuja, Nigeria | 2022 |
| IBM Cybersecurity Practitioner - Instructor Certificate | 2022 |
| IBM Data Science Practitioner - Instructor Certificate | 2022 |
| ICDL Digital Skills Training Kaduna State University, Kaduna, Nigeria | 2021 |
| Capacity Building Workshop on Higher Education Governance, Leadership and Management Kaduna State University, Kaduna, Nigeria | 2021 |
| Advanced Digital Appreciation Programme for Tertiary Institutions on SPSS Kaduna State University, Kaduna, Nigeria | 2019 |
| Research Skills University of Greenwich, London, UK | 2015 |
| Data Analytics with MATLAB and System Modelling with Simulink Guildford, United Kingdom | 2015 |
| Postgraduate Teaching, Learning and Assessment University of Greenwich, London, United Kingdom | 2014 |

PROFESSIONAL MEMBERSHIPS

- Member, Institute of Electric and Electronic Engineering (IEEE) Computer Society
- Member, International Association of Engineers (IAENG)
- Member, Association of Computing Machinery (ACM)
- Member, Computer Professional Council of Nigeria (CPN)
- Member, Nigeria Computer Society (NCS)

UNIVERSITY SERVICES

EXTERNAL EXAMINATION

- | | |
|---|----------|
| • Examined two (2) MSc Computer Science students Ahmadu Bello University, Zaria, Nigeria. | Jan 2024 |
| • Examined five (5) MSc Computer Science students Kebbi State University of Science and Technology Aleiro, Kebbi State, Nigeria | Aug 2023 |
| • Examined two (2) MSc Computer Science students Ahmadu Bello University, Zaria, Nigeria | Jan 2023 |
| • Examined five (5) MSc Computer Science students Kebbi State University of Science and Technology Aleiro, Kebbi State, Nigeria | Aug 2021 |
| • Assessed students examination and projects Department of Computer Science, Federal Cooperative College, Kaduna, Nigeria | Oct 2019 |

COMMITTEE SERVICES

- **Member, School of Postgraduate Studies Board** 2023 - Present
Kaduna State University, Kaduna, Nigeria
- **Member, University Senate Committee** 2023 - Present
Kaduna State University, Kaduna, Nigeria
- **Member, University Senate Committee** 2018 - 2022
Kaduna State University, Kaduna, Nigeria
- **Member, Committee of Provosts, Deans and Directors** 2023 - Present
Kaduna State University, Kaduna, Nigeria
- **Member, Board of Institute of Science, Technology and Management Studies** 2021 - Present
Kaduna State University, Kaduna, Nigeria
- **Member, University Committee on Inaugural Lectures, Seminars and Workshop** 2023 - Present
Kaduna State University, Kaduna, Nigeria
- **Chair, College of Science, Computing and Engineering Staff Disciplinary Committee** 2023 - 2024
Kaduna State University, Kaduna, Nigeria
- **Member, ICT Development Committee** 2019 - 2022
Federal University of Technology, Babura, Jigawa State, Nigeria.
- **Member, School of Postgraduate Studies Curriculum Review Committee** 2021 - 2022
Kaduna State University, Kaduna, Nigeria
- **Member, University Committee on Illegal Opening of Student Portal** 2020 - 2021
Kaduna State University, Kaduna, Nigeria
- **Member, Faculty of Science Standing Committee** 2018 - 2022
Kaduna State University, Kaduna, Nigeria
- **Member, Faculty of Science Appointment and Promotion Committee.** 2018 - 2022
Kaduna State University, Kaduna
- **Chair, Appointment and Promotion Committee** 2018 - 2022
Department of Computer Science, Kaduna State University, Kaduna.
- **Chair, Teaching and Learning Development Committee** 2018 - 2020
Department of Computer Science, Kaduna State University, Kaduna.
- **Member, University ICT Development Committee** 2018 - 2022
Kaduna State University, Kaduna.
- **Chair, ICT Policy Committee** 2017 - 2018
Kaduna State University, Kaduna.
- **Member, Examination Validation Committee** 2010 - 2013
Kaduna State University, Kaduna.

OTHER ACTIVITIES

- **Served as resource person for the 2019 SDGs Capacity Building Programme for Teachers** Jan 2019
National Teachers Institute, Kaduna, Nigeria.
- **Served as resource person for curriculum and content development for Computer Science Masters and Doctoral programmes** Aug 2018
National Open University of Nigeria, Abuja, Nigeria.

SCHOLARSHIPS

- **PhD scholarship award** Feb 2013
Nigeria Tertiary Education Fund.

SUPERVISION

MSc COMPUTER SCIENCE

1. MSC/CSC/SCS/000405/2014-2015, Abdullahi Umar Diso (2019) "Behaviour Based Malware Detection in Android Mobile Device", Kaduna State University, Kaduna.
2. MSC/CSC/SCS/001181/2014-2015, Maryam Lawal Ibrahim (2019) "Similarity Measure of RGB Projection for Content Based Image Retrieval", Kaduna State University, Kaduna.
3. MSC/CSC/SCS/00084/2015 Aisha Muhammad Ali (2019) "Improved Method for Phishing Email Detection Through Data Mining", Kaduna State University, Kaduna.
4. MSC/CSC/SCS/00081/2015, Kabir Jaafar Abubakar (2019), "A Semantic Relatedness-Based Web Prefetching Model for Clustering Web Pages in a High Traffic Environment", Kaduna State University, Kaduna.
5. MSC/CSC/SCS/00108/2015 Mukhtar Muhammad Sani (2019) "Enhancing Biometric ATM Operations in Nigerian Banking Sector", Kaduna State University, Kaduna.
6. MSC/CSC/SCS/01076/2014-2015, Bawa Aisha Garba (2019) "Botnet Detection and Analysis from Drive-by-Download Attacks". Kaduna State University, Kaduna, Nigeria.
7. MSC/CSC/SCS/05217/2014-2015, Mohammed Magaji Ubangida (2019) "Computerized Graphical Teaching Aid for the Hearing Impaired" Kaduna State University, Kaduna, Nigeria.
8. MSC/CSC/SCS/04484/2014-2015, Hauwa Saeed (2019) "Computerized Graphical Teaching Aid for the Hearing Impaired" Kaduna State University, Kaduna, Nigeria.
9. MSC/CSC/SCS/005827/2014- 2015, Yockson Inuwa Gajere (2019) "Detecting the optimum harvest time of Sorghum Using Artificial Neural Network and image processing techniques" Kaduna State University, Kaduna, Nigeria.
10. MSC/CSC/SCS/00001/2015, Bassi Haruna (2020), "Drowsy Driver Detection and Monitoring System using Support Vector Machine and Automated Speed Control" Kaduna State University, Kaduna, Nigeria.
11. MSC/CSC/SCS/00078/2015, Olatunde Kolawole (2020), "Improving the Enhanced Modified Decision Based Un-Symmetric Trimmed Median Filter (DBUTMF) for the removal of high-density Salt and Pepper Noise in Digital Images" Kaduna State University, Kaduna, Nigeria.
12. MSC/CSC/SCS/00020/2016, Musa Shamsudeen Ahmad (2020) Optimization of Priority Based CPU Scheduling Algorithms to minimize Starvation of Processes using an Improved Efficiency Factor
13. MSC/CSC/SCS/00025/2015, Idogbe Ololade (2020) "Comparative Analysis of RSA and AES Algorithms for Data Storage Security in Cloud Computing" Kaduna State University, Kaduna, Nigeria.
14. MSC/CSC/SCS/0001/2016, Hauwa Muhammad Suleiman (2020), "An Improved Image Recognition Model for Skin Cancer Detection Using Image Processing and Machine Learning Techniques" Kaduna State University, Kaduna, Nigeria.

PHD COMPUTER SCIENCE

1. TALABI AA - Cybersecurity Risk Management in IAM using Biometric-based Multimodal Authentication, March 2024, Africa Centre of Excellence for Technology Enhanced Learning, National Open University of Nigeria.

REFEREES

1. Professor Ahmad Amfani, Department of Nigerian Languages, Usmanu Danfodiyo University, Sokoto, Nigeria.
2. Dr Mustapha Aminu Bagiwa, Department of Computer Science, Ahmadu Bello University, Zaria, Nigeria.
3. Dr Aminu Rabi'u Koko, Department of Chemistry, Kebbi State University of Science and Technology, Aliero, Kebbi State, Nigeria.