

ENGR. PROFESSOR NASIR FARUK

**BSc. (KUST, Nigeria), MSc.(Oxford-Brookes, UK), Ph.D. (UNILORIN, Nigeria),
PostDoc (Aalto, Finland), R.Engr (COREN)., CITP, FICA, SMIEEE, MCPN, MNCS,
MNIP, SMIET, MSDIWC, MIAENG, MNSE**

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AD Scientific Index ID: 95561

Google Scholar: *h-index, 31; i10-index, 79; Citations 4165* [@ 25th February 2026]

BRIEF BIO AND PERSONAL DETAILS

I am a Professor of IT & Telecoms at Sule Lamido University, Kafin Hausa, Jigawa State. I attended Gujungu Central Primary School, Govt Secondary School Aujara, and Science Secondary School Lautai before studying at the College of Arts, Science, and Remedial Studies, Kano. I earned a First-Class B.Sc. in Physics from KUST Wudil (2007), an M.Sc. with Distinction in Mobile & High-Speed Telecommunication Networks from Oxford Brookes University, UK (2010), under the Jigawa State Government Scholarships, a Ph.D. in Electrical and Electronics Engineering from UNILORIN (2015), and completed postdoctoral research fellowship at Aalto University, Finland (2015–2016). I also hold a Project Management certificate from the University of Virginia, USA. I received numerous awards, including UNILORIN's Researcher of the Year (2018), IEEE Outstanding Leadership Award, Jigawa State Governor's Award for Academic Excellence, and recognition among Nigeria's 100 Leading Telecom & ICT Personalities. Between 2011 and 2025, I secured 46 competitive grants from bodies such as ATU, NCC, TETFund, AFRINIC, Google, the LARUS Foundation and many others, worth over ₦900m. With over 200 publications, an *h-index* of 31 and over 4,000 citations, and listing among the world's top 2% scientists, my research focuses on wireless communications, terrestrial radio propagation, telemedicine, spectrum management, and rural telephony. I have trained over 2,000 academics in research proposal writing, consulted for multiple institutions, and held leadership roles including Dean, Director, Acting Director, Deputy Director and Head of Department. Internationally, I have contributed to internet governance via AFRINIC, ICANN, and ISOC. I am a COREN-registered Engineer, certified IT expert, with multiple professional memberships, and currently serves as Chair, IEEE ComSoc Nigeria, and Co-Chair, Infrastructure, Access, and Connectivity of the Nigeria Internet Society.

Date of Birth	18th April 1984
State of Origin	Jigawa State
Local Govt	Taura
Place of Birth	Gujungu
Nationality	Nigerian
Language Spoken	Hausa & English
Marital Status	Married (2 Wives; 7 children)
Date of First Appointment	13 th Sept 2009
Date of Confirmation of Appointment	13 th Dec 2012
Date of Present Appointment:	11 th August, 2021
Present Salary	CONUASS 07 STEP 6

CAREER OBJECTIVES

My career objective is to leverage my expertise in Telecommunications, ICT infrastructure, and digital innovation to drive impactful research, capacity building, and sustainable technological development in Nigeria and beyond. I aimed to advance cutting-edge solutions in rural connectivity, wireless communications, health, and internet governance, fostering inclusive access to digital services. Committed to mentoring future technology leaders, I seek to bridge the gap between academia, industry, and policy, while promoting global collaborations. Through excellence in research, teaching, and community engagement, my ultimate goal is to contribute to knowledge, improve livelihoods, and strengthen Nigeria's position in the global ICT ecosystem.

EDUCATIONAL BACKGROUND

1. **Ph.D.** Electrical and Electronic Engineering (Telecommunications)
University of Ilorin, Ilorin, Nigeria 2012-2015
2. **M.Sc.** Mobile & High Speed Telecommunication Networks (*Distinction*)
Oxford Brookes University, Oxford, United Kingdom 2009-2010
3. **Certificate:** Fundamental of Project Planning and Management
University of Virginia, Darden School of Business, USA Oct. 2015
4. **B.Sc. (Hons):** Physics (*First Class Honours*)
Kano University of Science & Tech, Wudil, Nigeria 2003-2007
5. **Certificate** of Competency in the MOOC, Open Education Resources for Online learning
Commonwealth of learning and National Open University of Nigeria April 2022
6. Senior Secondary School Certificate (S.S.C.E)
Science Secondary School Lautai Gumel 1997-2000

PROFESSIONAL CERTIFICATES

1. Cisco certified Network Associate (CCNA): Oxford Brookes University, Network Academy: 2009-2010
 - i. Network Fundamentals 4.0
 - ii. Routing protocols & Concepts 4.0
 - iii. LAN Switching and Wireless 4.0
 - iv. Accessing the WAN 4.0
2. International Computer Driving License Certifications (ICDL)
 - i. Computer and Online Essentials
 - ii. ICT in Education
 - iii. Artificial Intelligence
 - iv. Presentation

SCHOLARSHIPS AND PRIZES

v.

1. **Jigawa State Government:** Scholarship Prize for Best graduating student in the State 2008
2. **Vice Chancellor's Prize:** Overall best Graduating student in the University, KUST Wudil, Kano State, Nigeria, 2007
3. **Dean's Prize:** Best graduating students in the Faculty of Science, KUST Wudil, Kano state, Nigeria, 2007
4. **HOD's Prize:** Best graduating students in B.Sc (Hons) Physics, KUST Wudil, Kano state, Nigeria, 2007.

HONOURS, DISTINCTIONS

1. Sule Lamido University Kafin Hausa, Management's Commendation Letters 2021
2. Sule Lamido University Kafin Hausa, Council Commendation Letter 2021
3. University of Ilorin, Nigeria, Best Researcher of the Year 2018
4. Association of Telecommunication Companies of Nigeria (ATCON): ICT personality of the year 2018
5. Oxford Brookes University, Oxford, UK, MSc Distinction 2010
6. Jigawa State Government: Governor's Letter for Academic Excellence 2008
- KUST Vice Chancellor's: Overall best in the University 2007

WORKING EXPERIENCE

S/N	EXPERIENCE	DATE
1.	Professor of Telecommunications and Information Technology, Sule Lamido University, Kafin Hausa Jigawa State	2021-Date
2.	Visiting Professor, Information Technology, Federal University Dutse, Jigawa State.	2023-Date
3.	Visiting Professor, Computer Science, KUST Wudil	2022-Date
4.	Associate Professor, Department of Telecommunication Science, University of Ilorin	2020-2021
5.	Visiting Associate Professor, Department of Physics, Sule Lamido University, Kafin Hausa, Jigawa State	2020-2021
6.	Senior Lecturer, Telecommunication Science, University of Ilorin	2017-2020
7.	Sule Lamido University, Jigawa, Department of Physics (Sabbatical)	2019-2020
8.	Lecturer I, Telecommunication Science, University of Ilorin	2014-2017
9.	Associate Lecturer, Computer Engineering, University of Ilorin	2016-2019
10.	Facilitator, National Open University, Ilorin Study Centre	2016-2020
11.	Postdoctoral Researcher, Aalto University, Finland	2015- 2016

12.	Lecturer II, Telecommunication Science, University of Ilorin	2010-2014
13.	Carillion Agencies, Headington, Oxford, UK	2009-2010
14.	NYSC, Department of Physics, University of Ilorin, Ilorin	2008-2009
15.	Class Room Teacher, Precise Comprehensive College, Kano, Nigeria	2007-2008
16.	Imaging Scientist Aminu Kano Teaching Hospital (A.K.T.H), Nigeria (SIWES)	2006

UNIVERSITY ADMINISTRATION AND RESPONSIBILITIES

S/N	RESPONSIBILITIES	Date
1.	Deputy Vice Chancellor (Academics)	20 th Oct 25-Date
2.	Dean, Faculty of Computing and Information Technology, Sule Lamido University Kafin Hausa, Jigawa State	2022-2025
3.	Head, Department of Information Technology, Sule Lamido University Kafin Hausa, Jigawa State	2022-2024
4.	Director ICT, Sule Lamido University Kafin Hausa, Jigawa State	2021-Date
5.	Ag. Director ICT, Sule Lamido University Kafin Hausa, Jigawa State	2019-2021
6.	Level Coordinator 200 Level, Department of Information Technology, Sule Lamido University Kafin Hausa, Jigawa State	2022-2024
7.	Deputy Director, Joint Universities Preliminary Examination Board (JUPEB), University of Ilorin JUPEB School	2017-2019
8.	Departmental Postgraduate Coordinator, UNILORIN	2017-2019
9.	Liaison/Desk Officer University of Ilorin-Aalto University, Finland	2015-2021
10.	Faculty Research Manager, Faculty of CIS, UNILORIN	2018-2021
11.	Faculty Senate Representative, UNILORIN	2017-2019
12.	Faculty Representative to COMSIT, UNILORIN	2015-2021
13.	Faculty Representative to Faculty of Engineering and Technology, UNILORIN	2013-2015
14.	Departmental Undergraduate Project Coordinator, UNILORIN	2014-2016
15.	Ag. Coordinator, Telecommunication Science Department, UNILORIN	2011, 2013 & 2014
16.	Departmental Level adviser (level Coordinator), UNILORIN	2011- 2015
17.	Departmental Examination officer, UNILORIN	2011-2014

COMMITTEES AND RESPONSIBILITIES

S/N	COMMITTEES	DATE
1.	Member Board of Research, Innovation and Partnerships, SLUK	2026-Date
2.	Chairman, University Research Steering Committee SLUK	2026-Date
3.	Chairman, University Sport Committee SLUK	2025-Date
4.	Member University Tender's Board SLUK	2025-Date
5.	Chairman, Award and Prize Committee for SLUK Combined Convocation	2025
6.	Member, Order of Proceeding Committee for SLUK Combined Convocation	2025
7.	Member, M&E Team for SLUK Strategic Plan	2025-2029
8.	Member, Taskforce for the establishment of Jigawa State Technology Village	2024-Date
9.	Member, University Strategic Plan Committee, SLUK	2024
10.	Member, University Appeal Committee, SLUK	2024-Date
11.	Member, Senate Representative to Search Team of Vice Chancellor	2023-2024
12.	Member, Senate Representative to Council, SLUK	2023-Date
13.	Member, NUC Accreditation panel to FUTO, OAUST, Baze University, ABUAD, Ado Ekiti State University and many others	2022-2024
14.	Member, Board of Postgraduate School, SLUK	2022-Date
15.	Member, University Committee on Accreditation, SLUK	2023-Date
16.	Member, University Advancement Committee, SLUK	2023-Date
17.	Member, University Committee on the CCMAS, SLU	2023-Date
18.	Member, University Committee on Digitisation of Human Resource	2022-2023
19.	Member Non-teaching Staff Development Committee (NTDC)	2022-Date
20.	Member University Inaugural Lecture Committee, SLUK	2021-2024
21.	Member University Ranking Committee, SLUK	2022-Date
22.	Member, University Management Committee (UMC), SLUK	2020-Date
23.	Member, Committee of Deans and Directors (CDD), SLUK	2019-Date
24.	Member, University ICT Development Committee (ICTDC), SLUK	2020-Date
25.	Co-Chair, Working Committee on the establishment of the Faculty of Computing, Sule Lamido University (SLUK)	2019-2020
26.	Member Public Lecture Committee, Sule Lamido University	2020
27.	Member, University Quality Assurance Committee, Sule Lamido University	2020
28.	Member, University Strategic Policy Committee, Sule Lamido University	2020
29.	Member, University Committee on Establishment of PG School and PG Programmes Sule Lamido University, SLUK	2019-2020
30.	Member, University Ranking Committee, UNILORIN	2018-2021
31.	Member, Regional Working Committee on Education (POST COVID-19), Jigawa and Kano states, Education Workstream, Annoba Project	2020-2024
32.	Member, Faculty Postgraduate Committee, UNILORIN	2017-2019
33.	Member, UNILORIN Research Managers Committee	2018-2021
34.	Member, Faculty Board of CIS, UNILORIN	2010-2021
35.	Member, University Committee on Examination, Scholarships and Prizes, Faculty of CIS, REP, UNILORIN	2016-2018

36.	Member, University Ceremonial Committee, UNILORIN	2016-2021
37.	Member, Faculty Disciplinary Committee, UNILORIN	2013-2021
38.	Member, National Working Committee on Green ICT Innovation Hub, Federal Ministry of Communication, Nigeria	2017-2019
39.	Chairman Working Subcommittee on MSc. Telecommunication Science Programme, UNILORIN	2016
40.	Member, Faculty Staff Welfare Committee	2015-2017
41.	Member Committee on Faculty Journal Publication, UNILORIN	2015-2019
42.	Member Working Committee on Accreditation, TCS Dept	2014
43.	Member Working Committee on Curriculum For BSc. Telecommunication Programme	2014
44.	Member, University SERVICOM committee, Faculty REP, UNILORIN	2011-2014
45.	Member, Sub-Committee on the Nigerian Universities Research and Development Fair (NURESDEF), UNILORIN.	2011-2014
46.	Member, Faculty Committee on Environmental and Sanitation,	2013-2017

MEMBERSHIP OF LEARNED PROFESSIONAL SOCIETIES

1. Registered Engineer with Council for the Regulation of Engineering in Nigeria (COREN) ID: R75342
2. Chartered Member, Computer Professionals of Nigeria (MCPN): ID 007836/2022
3. Chartered Information Technology Professional (CITP): ID 007836/2022
4. Fellow Institute of Cooperate Administration of Nigeria (FIA) : ID 22-356
5. Corporate Member Nigeria Society of Engineers (NSE): ID 61600
6. International Computer Driving License Certifications (ICDL): NG2012571
7. Nigeria Computer Society, NCS: ID 11278
8. Nigerian Institute of Physics, NIP ID OM/19/00320
9. Member, Institute of Electrical & Electronic Engineers (IEEE), USA, I.D 90739613
10. Member, IEEE Communication society, Nigeria, I.D 90739613
11. Member Institute of Engineering & Technology (IET), UK, ID 1100161381
12. Member, Internet Society: Nigeria Chapter: ID: 71226
13. Member, Society of Digital Info and Wireless Communications: ID: 3795
14. Member, International Association of Engineers (IAENG): ID 155185

COURSES TAUGHT

1. UNDERGRADUATE COURSES

2. **CIT 204:** Multimedia Technology
3. **TCS 202:** Telecommunication & Networking I
4. **TCS 208:** Wireleses and Cellular Communication I
5. **TCS 301:** Wireleses and Cellular Communication II
6. **TSC302:** Workstation and Server Applications

7. **TCS 305:** Telecommunication System Laboratory I
8. **TCS 311:** Networking I
9. **TCS 316:** High Speed Information Networks
10. **TCS 312:** Networking II
11. **TCS 321:** Wireleses Systems and Cellular Communication II
12. **TCS 340:** Research Method
13. **CPE 331:** Electromagnetic Field and Waves
14. **CPE 372:** Data Communication and Computer Networks
15. **PHY 339:** Electromagnetism
16. **TCS 414:** Networking IV
17. **TCS 409:** Application of Voice Telecommunication
18. **TCS 421:** Multiservice Networks
19. **TCS 432:** Wireleses Systems and Cellular Communication III
20. **PHY 432:** Electromagnetic Waves and Optics
21. **CSC427:** Data Communication and Networking
22. **CSC411:** Introduction to Artificial Intelligence
23. **CSC430:** Net-Centric Computing
24. **IFT232:** Fundamental of Networking
25. **IFT 206:** Digital Forensics

2. POSTGRADUATE COURSES

1. **TCS 807:** Mobile Communication Systems
2. **TCS 806:** Multiservice Networks
3. **SCI 802:** Scientific Research Methodology
4. **SCI 801:** Introduction to Information and Communication Technology
5. **CSC805:** Data Communication and Networking
6. **CSC804:** Advanced Computer Architecture

TRAINING PROGRAMME ATTENDED

S/N	Training Body/Sponsor	Location	Year	Training Received/Given
1.	World Bank/Baze University Abuja	Kafin Hausa	May- Oct 2024	Lead Facilitator IDEAS Project
2.	TETFund	Kano	Feb 2024	TTT FOR THE IMPLEMENTATION OF CONVERGED SERVICES
3.	National Universities Commission	Abuja	May 2023	CCMAS Training
4.	TETFund	Abuja	November 2023	Blackboard Implementation
5.	Association of Communication Scholars and Professionals of Nigeria (ACSPN)	Bayero University Kano	August 2023	Grant Writing Workshops for Academics Staff (Facilitator)

6.	National Institute for Freshwater Fisheries Research	NIFRR, New Bussa, Niger State	May 2023	Grant Writing Workshops for Academics Staff (Facilitator)
7.	CRD/NSUK	NSUK, Keffi	May 2023	Grant Writing Workshops for Academics Staff (Facilitator)
8.	Association for Education and Communication Technology (AECT)	Abuja, Nigeria	March 2023	ICT in Education and Quality Control for Capacity Building of Tertiary Institutions
9.	CRD/BOSU	Borno State University, BOSU	August, 2022	Grant Writing Workshops for Academics Staff (Facilitator)
10.	CRD/ Sule Lamido University	SLU, Nigeria	February, 2022	Grant Writing Workshops for Academics Staff (Facilitator)
11.	TETFund/SLU	SLU, Nigeria	December 2021	Grant Writing Workshops for Academics Staff (Facilitator)
12.	TETFund/FPN	Federal Polytechnic, Nassarawa, Nigeira	October 2021	Grant Writing Workshops for Academics Staff (Facilitator)
13.	ASUU/KUST Wudil	KUST Wudil	June 2021	Grant Writing Workshops for Academics Staff (Facilitator)
14.	Sule Lamido University	SLU, Nigeria	Jan 2020	Capacity Building Workshops for Young and Mid-Career Academics (Facilitator)
15.	AFRINIC	Angola	December 2019	Incident Response Workshop & CSIRT Intro (AfricaCERT)
16.	AFRINIC	Angola	December 2019	DDOS Mitigation (M3AAWG)
17.	Manchester Metropolitan University	Lagos, Nigeria	June 2019	Intelligent Distributed Energy Resources Management

				Systems (IDERMS)
18.	AFRINIC	Uganda	June 2019	Advanced Routing Techniques
19.	AFRINIC	Uganda	June 2019	Scalable Network Infrastructure Workshop
20.	AFRINIC	Uganda	June 2019	Internet Measurement Workshop
21.	IREHI	Benin Republic	Dec 2018	Grant Proposal and Research writing
22.	Google, Nigeria	University of Ilorin, Nigeria	June, 2017	Digital skill training
23.	University of Ilorin, Nigeria	University of Ilorin, Nigeria	October, 2016	Embedded Systems Prototyping
24.	Nigeria Universities Commission (NUC)	University of Ilorin, Nigeria	August, 2016	E-Learning and Virtual Class Room
25.	Aalto University	Espoo, Finland	October, 2015	Project Management 1 (PM1)
26.	Aalto University	Espoo, Finland	Sept 2015	Workshop on Multiple Access Communications (MACOM)
27.	AFRINIC	Mauritius	December 2013	Internet Governance Workshop
28.	AFRINIC	University of Ilorin, Nigeria	July 2013	Workshop on Open Source Wireless Mesh Network Projects for Campus Radio, eLearning, Communication and Knowledge Transfer across Africa
29.	AFRINIC	Lusaka, Zambia	June 2013	Project Monitoring and Evaluation
30.	University of Ilorin	FCIS, Unilorin	March 2013	Orientation for New staff, Level Advisers and Exam Officers
31.	University of Ilorin, Nigeria	FCIS, Unilorin	Sept 2011	Workshop on Courseware development
32.	Digital Bridge Institutes	Abuja, Nigeria	Nov, 2011	IEEE Nigeria Technical Workshop
33.	IET Oxfordshire Networks	Oxford, UK	2009-2010	Training & Workshops organized by institutes of Engineering and Technology in the UK

COMMUNITY SERVICE

1. NATIONAL ASSIGNMENTS

- i. JAMB, Technical officer, Jamb office, Kwara State, 2017
- ii. JAMB, Technical Monitoring Adviser, Call Room, Jamb HQ, 2018
- iii. JAMB, Youth of Virtue, Exam Monitoring, Kano and Jigawa States, 2019
- iv. JAMB, Virtue Vanguard, Monitoring Resident Monitors, South West Zone 2020
- v. JAMB, Virtue Vanguard, Monitoring Resident Monitors, South West Zone 2021
- vi. JAMB, Virtue Vanguard, Monitoring Resident Monitors, North West Zone 2022
- vii. JAMB, Virtue Vanguard, Monitoring Resident Monitors, North West Zone 2023
- viii. JAMB, Virtue Vanguard, Monitoring Resident Monitors, North West Zone 2024
- ix. JAMB, Virtue Vanguard, Monitoring Resident Monitors, North West Zone 2025

2. COMMUNITY BASED EXPERIENCE SCHEME (COBES) PROGRAM:

- i. Government Secondary School, Ilorin, Kwara State, Nigeria, June 30th-July 4th 2015.
- ii. Government Secondary School, Ilorin, Kwara State, Nigeria, June 30th-July 4th 2014.
- iii. Government Secondary School, AFON, Kwara State, Nigeria, 2012.

3. INTERNATIONAL ASSIGNMENTS

- i. Chair, Institute of Electrical and Electronics Engineers (IEEE) Communication Society (ComSoc), Nigeria 2022-Date
- ii. Co-Chair, Infrastructure, Access and Connectivity Working Group of Nigeria Internet Society (ISOC, Nigeria) 2022-Date
- iii. *Technical Secretary*, Communication and Networking Research Group (CNRG) 2011-Date
- iv. *Technical Coordinator*, ICT and Education Research Group, FCIS 2017- 2023
- v. *Technical Coordinator*, Biomedical and Technology Research Group, University of Ilorin, 2019- 2022

JOURNAL/CONFERENCE EDITORIAL POSITIONS

1. Conference/Journal Editorial Positions

Chaired and Served as Technical Programme Committee Membership (TPC) for more than 40 different conferences. to mention a few:

1. **Technical Program Committee Chair**, IEEE NIGERCON, 2026 Lagos, Nigeria.
2. **Technical Program Committee Chair**, IEEE CTU Africa Summit, Nov 27-28, 2025 Baze University Abuja, Nigeria.
3. **Chair, Publications**, the IEEE 2nd International Conference on Multidisciplinary Engineering and Applied Sciences (ICMEAS-2023), Nile University Abuja, November 1-3, 2023.
4. **Chair, Publications**, 2022 IEEE Conference on Information Technology for Education and Development (ITED), 1st-3rd Nov, 2022 ABUJA, Nigeria.
5. **Chair, Publications**, 2022 IEEE Nigeria 4th International Conference on Disruptive Technologies for Sustainable Development (NIGERCON) ABUJA, Nigeria
6. **Guest Editor**, 2022, Special Issue "Intelligent Algorithms for 5G and 6G Wireless Communication Systems" Applied Science, MDPI
7. **TPC Chair**: The 2nd International Conference on Multidisciplinary Engineering and Applied Sciences (ICMEAS-2023)

8. **TPC Chair:** 4th IEEE Nigeria Section International Conference (NIGERCON 2022); <https://attend.ieee.org/nigercon-2022/call-for-papers/>
9. **TPC Member :** International Conference on UK-China Emerging Technologies (UCET) 2020
10. **TPC Member:** 3rd International Conference for Development for Africa, ICT4DA, 2020
11. **TPC Member:** International Telecommunication Union (ITU), ITU Kaleidoscope 2017 – Challenges for a data-driven society, 27th-29th November, Nanjin, China <http://www.itu.int/en/ITU-T/academia/kaleidoscope/2017/Pages/default.aspx>
12. **TPC Member:** 1st EAI International Conference on ICT for Development for Africa. SEPTEMBER 25–27, 2017, BAHIR DAR, ETHIOPIA.
13. **TPC Member :** IEEE EUROCON September of 2015, Spain <http://eurocon2015.usal.es/?q=Committees>
14. **TPC Member:** 2nd IEEE Global Conference on Communication, Information Science & Engineering (IEEE CCSIE) London, UK, June, 2014 <http://www.ccsie.org/>
15. **TPC Member :** 1st IEEE Conference on Communication, Science & Information Engineering (IEEE CCSIE) London, UK, July, 2011 <http://www.ccsie.org/Committee.htm>
16. **TPC Member:** The 8th International Wireless Communication and Mobile Computing (IWCMC 2012) Limassol, Cyprus.
17. **TPC Member:** 2nd IEEE Global Conference on Communication, Information Science & Engineering (IEEE CCSIE) London, UK, June, 2013 <http://www.ccsie.org/>
18. **Managing Editor,** SLU Journal of Science and Technology (SLUJST), Sule Lamido University, Jigawa State: Website: www.slujst.com.ng
19. **Technical Program Committee Chair,** 2nd International Conference on ICT for National Development and its Sustainability (ICT4NDS), December, 2020, Faculty of Communication and Information Sciences, University of Ilorin, Nigeria
20. **Chair, Publications,** 2019 2nd International Conference of the IEEE Nigeria, Computer Chapter (NigeriaComputConf). ABU Zaria.
21. **Managing Editor,** International Journal of Information Processing and Communication (IJIPC), Faculty of Communication and Information Sciences, University of Ilorin, Nigeria. Website: www.ijipc.com.ng 2018-2021
22. **Editorial Board Member,** ILORIN Journal of Computer Science and Information Technology (ILJCSIT). Website: www.iljcsit.com.ng
23. **Editorial Board Member,** Journal of Advances in Computing, Communication and Information Technology (JACCIT). Website: www.sciengtexpopen.org
24. **Technical Program Committee Chair,** 1st International Conference on ICT for National Development and its Sustainability (ICT4NDS), April, 2017, Faculty of Communication and Information Sciences, University of Ilorin, Nigeria
25. **Technical Program Committee Chair,** 1st International Conference on ICT for National Development and its Sustainability (ICT4NDS), December, 2020, Faculty of Communication and Information Sciences, University of Ilorin, Nigeria
26. **Editor,** 1st IEEE Nigeria Computer Chapter Conference, University of Ilorin, 23rd-26th November, 2016.
27. **Chair, Publications,** 2019 2nd International Conference of the IEEE Nigeria Computer Chapter (NigeriaComputConf).ABU Zaria.
28. **Chair, Publications,** 2019 2nd International Conference of the IEEE Nigeria Computer Chapter (NigeriaComputConf).ABU Zaria.
29. **TPC Chair :** IEEE International Rural and Elderly Health Informatics Conference (IREHI) to be held in Togo (West Africa) during 14 – 17 December 2017.

30. **Lead Guest Editor**, Special Issue on Machine learning in Spectrum measurements and Terrestrial Radio propagation, Mobile Information System, Hindawi, 2020. Website: <https://www.hindawi.com/journals/misy/si/476280/>
31. **Guest Editor**, Special Issue on 5G Technological Advances and Disruptive Innovations for Emerging Markets, Mobile Information System, Hindawi, 2016.
32. **Editorial Board Member**: International Journal of Wireless Communications and Mobile Computing.
33. **Guest Editorial Member**: European Journal of Scientific Research, Victoria, Mahé, Seychelles.

2. Reviewer for Local, National and International Journals (Some Include)

1. MDPI Journals
2. IEEE Transactions on Vehicular Communication, IEEE USA
3. IEEE Transactions on Communications, IEEE USA
4. Elsevier, Scientific Africa
5. Elsevier, Energy
6. Elsevier, Measurements
7. IEEE Communication Magazine
8. Transactions on Intelligent Systems and Technology
9. Progress in Electromagnetic Research, PIERS, USA
10. International Journal of Next Generation Information Technology, (IJNIT) South Korea
11. Electronic Journal of Energy and Environment, Universidad Católica de Temuco, Chile
12. Nigeria Journal of Technology, University of Nnsuka, Nigeria
13. Nigeria Journal of Technological Development, Faculty of Engineering and Technology, University of Ilorin, Nigeria
14. Journals of Communications, USA.
15. Journal of Information Processing and Communication, Faculty of CIS, University of Ilorin, Nigeria
16. Bayero Journal of Engineering and Technology

3. TECHNICAL AND KEY NOTES PRESENTED

Presented several keynotes and lead papers at various conferences and workshops

RESEARCH AND TRAVEL GRANTS

S/N	AWARD BODY	PROJECT	GRAN T SUM	TIME FRAME	STATUS	INVEST IGATO R
1.	African Telecommunic ation Union (ATU), Nairobi, 2025	Study On Blockchain Technology Uses And Standards For Digital Single Market In Africa	\$ 20,0000	6 months [2025-2026]	Ongoing	Principal
2.	SLUK, UBR,	Standardization in Clinical	₦744,1	6 months	Ongoing	Principal

	2025	Data Repositories: A Case Study of SLUK HISCDR	36.00	[2025-2025]		
3.	SLUK, UBR, 2025	Assessing the Level of Awareness, Access and Usage of Digital Library Services and Plagiarism Checkers by Staff and Students of Sule Lamido University Kafin Hausa.	N 658,210.00	Ongoing	Co-investigator	Ongoing
4.	TETFund (IBR) 2025	Ensemble Learning Framework for Minority Oversampling for DDoS Attack detection based on Software Defined Internet of Things	N1,270,000	2025-2026	Ongoing	Co-investigator
5.	TETFund (IBR), 2025	Development and Implementation of Cloud Based Online Bus ticket System (BTS) for Sule Lamido University	N1,481,200.00	2025-2025 12 months	Ongoing	Co-investigator
6.	TETFund (IBR), 2025	Development of Nonlinear Autoregressive Model for Spectrum Usage Prediction in Ultra High Frequency Band	N1,909,000.00	2025-2025 6 months	Completed	Principal
7.	IEEE Communication Society and Humanitarian Technologies Board Grant, USA, 2024	ICT-Hub and Internet For All Provision to Students and Host Communities in Sule Lamido University IEEE ComSoc ICT-Hub (23-COMHTB-03), USA	USD \$11,835.75.	2024-2024 6 months	Completed	Principal
8.	TETFUND, NRF, 2024	Development of AI-Enabled Translator for Major Nigeria Languages	N 22,345.22.19	2024-2026 12 months	On-going	Co-Investigator
9.	TETFUND, IBR, 2024	Modelling and Simulation of Rain and Specific Attenuation of FR1 and FR2 bands for 5G and Beyond Wireless Communications	N 1,800,000	12 months	Completed	Principal
10	TETFUND, NRF, 2024	Virtual Clinic Models, Health Information and Clinical Data Repository for Sustainable Health care Delivery System in Nigeria	N 15,000,000	2023-2025	On-going	Principal
11	University Based	Implementation of Virtual and Blended Learning	N 650,000	2023-2023	Completed	On-going

	Research, SLU	Environments: An Exploratory Survey of Digital Skills and Awareness in Sule Lamido University Kafin Hausa	.00	[6months]		
12	TETFUND, IBR	Development of Clinical Data Repository for Sustainable Health care Delivery System in Nigeria	₦ 1,500,000	12 months	Completed	Co-Investigator
13	NCC, Nigeria	SLU Tera Repo for 5G Research in Nigeria	₦ 13,850,000.00	2022-2024	Completed	Principal
14	NITDA, Nigeria	Deployment of ICT Facilities in the Faculty of Computing and Information Technology SLUK	₦250,000,000	2022	Completed	Principal
15	TETFUND, NRF	Large Scale Radio Propagation Measurements and Simulation in Millimetre Wave (mmWave) Frequencies for 5G Wireless Communication Systems in Nigeria	₦ 43,448,475.00	2021-2023	Completed	Co-Investigator
16	TETFUND, NRF	Development of a Resilient water supply infrastructural ICT Model for effective service delivery in Nigeria	₦ 32,090,000.00	2021-2023	Completed	Co-Investigator
17	TETFUND, NRF	Development of a Remote Electrocardiogram (ECG) Monitoring System and Establishment of an Automated ECG Core Laboratory for Nigeria	₦ 43,425,470.00	2020-2022	Completed	Co-Investigator
18	LARUS Foundation, Hong Kong	Resource Transfer Policy Development	\$ 7,000	2019	Completed	Principal
19	Manchester Metropolitan University	Intelligent Distributed Energy Resources Management Systems (IDERMS), Lagos	₦ 130,000	2019	Travel Grant	
20	Covenant University, Center For Research, Innovation And Discovery	Determination of Neural Network Parameters for Path Loss Prediction in Very High Frequency Wireless Channel	\$ 1,750	2019	Completed	Co-Investigator

	(CUCRID)					
21	TETFUND, IBR	Nigerian Internet of Vehicles for Traffic Monitoring and Control (NioVTMC)	₦1,955,835.00	2020-2021	Completed	Principal
22	Covenant University, Center For Research, Innovation And Discovery (CUCRID)	Path Loss Predictions in the VHF and UHF Bands within Urban Environments: Experimental Investigation of Empirical, Heuristics and Geospatial Models	\$ 1,750	2019	Completed	Principal
23	TETFUND, IBR	Design and Implementation of Remote Heartbeat Monitoring System for Cardiovascular Patients.	₦1,600,000.00	2020-2021	Completed	Co-Investigator
24	LARUS Foundation, Hong Kong	IPv4 Inter-RIR transfer Policy Development	\$ 5,500	2019	Completed	Principal
25	Dynamic Spectrum Alliance (DSA), USA and ATCON, Nigeria	TV White Spaces Use Cases in Nigeria	\$ 1,000	2018	Travel Grant	
26	IEEE and Carnegie Mellon University, Rwanda	3rd Graduate ICT and Education Summit, Kigali, Rwanda	\$1,500	2018	Travel Grant	
27	TETFUND, IBR	ICT Enabale Model for Almajiri Education in Nigeria	₦1,530,000.00	2018-2019	Completed	Co-Investigator
28	TETFUND, IBR	Development of Terrain-Aware Model for Prediction of Path- Loss in the VHF and UHF bands in Nigeria.	₦1,591,950	2018-2019	Completed	Co-Investigator
29	Covenant University, Center For Research, Innovation And Discovery (CUCRID)	Optimal model for path loss predictions using feed-forward neural networks	\$1,150.00	2017	Completed	Co-Investigator
30	Covenant University, Center For Research,	Received signal strength and local terrain profile data for radio network planning and optimization	\$1,000	2017	Completed	Co-Investigator

	Innovation And Discovery (CUCRID)	at GSM frequency bands				
31	Covenant University, Center For Research, Innovation And Discovery (CUCRID)	Standard propagation model tuning for path loss predictions in built-up environments	\$1,460	2017	Completed	Co-Investigator
32	TETFUND, IBR	Large Scale Spectrum Occupancy Measurement and Analysis Between 100 Hz- 3GHz in Kwara State, Nigeria (A joint Project with Kwara State Polytechnic)	₦ 1,970,000.00	2015-2016	Completed	Co-Investigator
33	IEEE and Carnegie Mellon University, Rwanda	3rd Graduate ICT and Education Summit, Kigali, Rwanda	\$1,500	2016	Travel grant	
34	TETFUND, NRG	Development of appropriate spectrum access model for disaster relief and public safety services using the TV white space.	₦ 2,722,500.00	2015-2018	Completed	Co-Investigator
35	AFRINIC	eTrash2Cash (A Joint Project with Haleematus-Sa`adiyya Enterprises, Kano)	\$ 25,000.00	2016-2017	Completed	Co-Investigator
36	Connect to Grow, United Kingdom	eTrash2Cash: Pilot Partnership Project (A joint project with IMC Worldwide Limited Ltd, UK and Haleematus-Sa`adiyya Enterprises, Kano)	GBP 26,500.00	2017-2018	Completed	Co-Investigator
37	TETFUND, IBR	Rural Telecommunications Access in Nigeria.	₦ 1,814,400.00	2014-2015	Completed	Co-Investigator
38	AFRINIC/FIRE	3rd African Internet Governance Forum	\$1,500	2014	Travel grant	
39	WAVETEK NIG. LTD and Government of The Gambia	Innovation Africa Digital Summit, held in Kairaba, The Gambia,	\$2,000	2014	Travel grant	
40	EXTENSIA	Youth Engagement	\$2,200	2013	Travel grant	

	LTD UK, GOVERNMENT OF MAURITIUS	summit, and guest speaker on ICT for youth empowerment				
41	Dynamic Spectrum Alliance (DSA)	Dynamic spectrum access (DSA) Summit, Accra	\$ 1,500	2013		Travel Grant
42	AFRINIC/FIRE	Africa Internet summit, Lusaka, Zambia	\$2,000	2013		Travel grant
43	University of Ilorin	International Conference on Science, Technology, Education, Arts, Management & the Social Sciences	₦ 50,000	2013		Travel grant
44	University of Ilorin	IEEE NIGERCON, the 3rd International Conference On Electro-Technology For National Development, Federal University of Technology, Owerri (FUTO), Imo State, Nigeria	₦ 97,000	2017		Travel grant
45	Staff Development Award, University of Ilorin, University of Ilorin	Development of Models for efficient utilization of TVWS in Nigeria	₦ 970,000	2013- 2015	Compl eted	Principal
46	TETFUND Category B	Development of Models for efficient utilization of TVWS in Nigeria	₦ 3,500,0 00	2014- 2015	Compl eted	Principal
47	AFRINIC	Wireless Mesh Network for Campus Radio, eLearning & Communication in a Tertiary Institution	\$10,000	2013- 2014	Compl eted	Principal
48	IEEE VCF fund, USA	Practical Error Bound of Empirical Path Loss Models at VHF/UHF Bands in Kwara State, Nigeria.	\$ 1, 000	2012- 2013	Compl eted	Principal

UNDERGRADUATE AND POSTGRADUATE PROJECT/THESIS SUPERVISION

1. Undergraduate Supervision

Supervised more than 100 undergraduate projects

2. Postgraduate Supervision

S/N	Title of Project	Name of Student	Year of Commencement Date/	Status	Supervision
1.	Development of Federated Learning-Enabled Nigerian ECG Data Repository and Demographic Analysis for Population-Specific Cardiovascular Patterns	Baffa Sani	2025	Ongoing	Supervisor, Ph.D. Computer Science, SLUK
2.	Development of Real-Time Machine Learning Models and Prototype Applications for Automated ECG Classification and Interpretation in Nigerian Clinical Settings	Abdulrashid Sabo	2025	Ongoing	Supervisor, Ph.D Computer Science, SLUK
3.	Federated Learning for Privacy Preserving Data Analytics in Decentralised Healthcare Systems	Sadisu Abdullahi	2025	Ongoing	Supervisor, MSc Computer Science, SLUK
4.	Explainable AI (XAI) for Enhanced Trust and Transparency in Predictive Analytics for Financial Fraud Detection	Yusif Habibu	2025	Ongoing	Supervisor, MSc Computer Science, SLUK
5.	Explainable AI for Predictive Software Defect Identification in Agile Development Environment	Muhd Muhd Abubakar	2025	Ongoing	Supervisor, MSc Computer Science, SLUK
6.	Fairness and Bias Mitigation on Machine Learning Models for Clinical Decision Support Systems	Aminu Abdullahi	2025	Ongoing	Supervisor, MSc Computer Science, SLUK
7.	Modelling and Simulation of radio wave propagation in FR1 and FR2 bands	Yusuf-Imam Fulani	2022	Ongoing	Co-Supervisor, PhD Telecommunication Engineering, ABU Zaria
8.	An Enhanced Dynamic Knowledge Based Authentication System.	ADENIRAN, Temitayo Caroline	2019	Completed (2023)	Co-Supervisor, PhD Computer Science, UNILORIN

9.	Hybrid ANFIS-Cuckoo Search Path Loss Prediction Models In The VHF And UHF Bands	Muhammed A. Salman	2021	Completed	Co-Supervisor, PhD Electrical Engineering
10.	Analysis and Optimization of Empirical Path Loss Models Using Particle Swarm Optimization	Agene Sunday	2019	Completed (2020)	Co-Supervisor, M.Sc. Computer Science, UNILORIN
11.	Development of ANN-Based Model for Path Loss Prediction In VHF And UHF Bands in Built-up Environments	Adebowale Ramon	2019	Completed (2020)	Supervisor, MSc, Telecommunication Science, UNILORIN
12.	Modified Deep Learning-based Spectrum Occupancy Prediction Models in Television Band	T. A. AbdulRahman	2017	Completed (2021)	Co-Supervisor, PhD Computer Science, UNILORIN
13.	Path Loss Prediction In The VHF And UHF Band Using Adaptive Network Based Fuzzy Inference System	Muhammed A. Salman	2016	Completed (2018)	Co-Supervisor, MEng Electrical Engineering, UNILORIN
14.	Kriging Based Approach To Path Loss Prediction In VHF And UHF Bands	I. Y. Abdulrasheed	2016	Completed (2018)	Co-Supervisor, MEng Electrical Engineering, UNILORIN
15.	Practical Error bounds of Empirical path loss models in UHF and VHF bands	Y.A Jimoh	2015	Completed (2017)	Co-Supervisor, MEng Electrical Engineering, UNILORIN
16.	Public safety and Disaster networks in TV White space	L.K. Lateef	2015	Completed (2017)	Co-Supervisor, MEng Electrical Engineering, UNILORIN
17.	TV spectrum usage profile and MAC protocol for white space Utilization	T. A. AbdulRahman	2013	Completed (2015)	Co-Supervisor, M.Sc. Computer Science, UNILORIN
18.	Computer-Aided Planning Tool For WCDMA Heterogeneous Network Deployments	K.A. Sadiq	2013	Completed (2015)	Co-Supervisor, M.Sc. Computer Science, UNILORIN

PHD/MSC EXTERNAL EXAMINATION

1. **Sikiru Olayinka Zakariyya**, Titled” *Development of A Cluster Based Energy Harvesting Aware Communication Protocol For In-Body Wireless Nano Sensor Network At Terahertz Band*” Department Of Electronics And Telecommunications Engineering, Faculty Of Engineering, Ahmadu Bello University, Zaria. 2023
2. **Shamsudeen Abdullahi Mikail**, Titled *Development of Energy Recharging and Data Gathering Algorithms For Extending Network Lifetime Of Wireless Rechargeable Sensor Networks Using Low-Cost Hardware* “, Department Of Electronics And Telecommunications Engineering, Faculty Of Engineering, Ahmadu Bello University, Zaria. 2023
3. **Abdulhamid Abdullahi Zubair**, titled” *Construction and Performance Evaluation of Solar Dryer for Tomato Slices*” M.Sc. Physics, Kano University of Science and Technology Wudil, 2021.
4. **Turado Abubakar Surajo**, titled “*Simulation/Theoretical Approach of Optical and Electrical Properties of Indium Tin Oxide*” M.Sc. Physics, Kano University of Science and Technology Wudil, 2021.
5. **Emmanuel Anazaku Peter**, Titled” *Evaluation of Computed Tomography Doses in Patients in Three Selected Medical Diagnostic Centers in Kano State. Nigeria*” M.Sc. Physics, Kano University of Science and Technology Wudil, 2021
6. **Akiishi, Syvester Terdoo**, Titled ”*Performance Analysis of Interference Alignment schemes Under Imperfect Channel State Information*” Ph.D Electrical and Electronics Engineering, University of Ilorin. 2019
7. **OLATUNJI, Michael Abayomi**, Title “*Empirical Validation of Lehman’s First Three Laws of Software Evolution*”, Ph.D Computer Science, University of Ilorin, 2018.
8. **Frederick Ehiagwina**, Title of Thesis “*Spectrum usage Pattern and Analysis in GSM bands*” Ph.D Electrical and Electronics Engineering, University of Ilorin. 2018
9. **BABALOLA, Gbemisola Olutosin**, Title of Thesis: *Development of a Comprehensive Cloud IoT Application Reporting System*, Ph.D Computer Science, University of Ilorin, 2017.

SELECTED PUBLICATIONS

Journal Publications

1. Alozie, E., Imoize, A. L., Olagunju, H. I., **Faruk, N.**, Garba, S., & Olatunji, A. P. (2026). Tiny Machine Learning for Enhanced Edge Intelligence. *Tiny Machine Learning: Design Principles and Applications*, 335-365.
2. Olagunju, H. I., Alozie, E., Imoize, A. L., **Faruk, N.**, Garba, S., & Baba, B. A. (2024). Cybersecurity in the Internet of Medical Things for healthcare applications. *Cybersecurity in Emerging Healthcare Systems*, 41, **IET**
3. Adewole, K. S., Alozie, E., Olagunju, H., **Faruk, N.**, Aliyu, R. Y., Imoize, A. L., ... & Usman, D. J. (2024). A systematic review and meta-data analysis of clinical data

- repositories in Africa and beyond: recent development, challenges, and future directions. *Discover Data*, 2(1), 8. **Springer (Q1)**
4. Abdulkarim, A., Faruk, N., Alozie, E., Olagunju, H., Aliyu, R. Y., Imoize, A. L., ... & Usman, D. J. (2024). Advances in the Design of Renewable Energy Power Supply for Rural Health Clinics, Case Studies, and Future Directions. *Clean Technologies*, MDPI, 6(3), 921-953. **(Q1)**
 5. Adeniran, T. C., Jimoh, R. G., Abah, E. U., **Faruk, N.**, Alozie, E., & Imoize, A. L. (2024). Vulnerability Assessment Studies of Existing Knowledge-Based Authentication Systems: A Systematic Review. *Sule Lamido University Journal of Science & Technology* Vol. 8 No. 1 [June, 2024], pp. 34-61 <https://doi.org/10.56471/slujst.v7i.485>
 6. **Garba, S.**, Faruk, N., Alozie, E., Olagunju, H., Aliyu, R. Y., Imoize, A. L., ... & Usman, D. J. (2023). J-Care: A cloud-based health information system and clinical data repository for sustainable healthcare delivery in Jigawa State. *Sule Lamido University Journal of Science & Technology*, 7(2), 129–138. <https://doi.org/10.56471/slujst.v7i.481>
 7. Yusuf Olayinka Imam-Fulani, **Faruk, N.**, Olugbenga A. Sowande, Abubakar Abdulkarim, Emmanuel Alozie, Aliyu D. Usman, Kayode S. Adewole, Abdulkarim A. Oloyede, Haruna Chiroma, Salisu Garba, Agbotiname Lucky Imoize, Bashir Abdullahi Baba, Abdulwaheed Musa Yinusa A. Adediran and Lawan S. Taura (2023). A Review on 5G Frequencies Standardization, Technologies, Channel Models and Network Deployments: Advances, Challenges, and Future Directions, *Sustainability, MDPI Sustainability*, 15(6), 5173, 2023, **(Q1)**
 8. Oloyede, A., Grace, D., & **Faruk, N.** (2023). A techno-economic model for future deployment of fixed broadband services to stimulate development across rural Africa. *International Journal of Mobile Communications*, 21(2), 181-202.
 9. Musa, N., Gital, A. Y. U., Aljojo, N., Chiroma, H., Adewole, K. S., Mojeed, H. A., ... & Katb, I. (2023). A systematic review and Meta-data analysis on the applications of Deep Learning in Electrocardiogram. *Journal of ambient intelligence and humanized computing*, **Springer** 14(7), 9677-9750 **(Q1)**
 10. Alozie, E., Musa, A., **Faruk, N.**, Imoize, A. L., Abdulkarim, A., Usman, A. D., ... & Taura, L. S. (2023). A Review of Dust-Induced Electromagnetic Waves Scattering Theories and Models for 5G and Beyond Wireless Communication Systems. *Scientific African*, e01816, **Elsevier (Q1)**
 11. Chiroma, H., Nickolas, P., **Faruk, N.**, Alozie, E., Olayinka, I. F. Y., Adewole, K. S., ... & Adediran, Y. A. (2023). Large Scale Survey for Radio Propagation in Developing Machine Learning Model for Path Losses in Communication Systems. *Scientific African*, e01550. **Elsevier (Q1)**
 12. Abdul-Rahman, M., **Faruk N.**, Abdulkarim, O., Temitayo, A., Imam-Fulani, Y., Olabamji, L., ... & Bashir, A. B. (2023). Hybridization of OFDM and Physical Layer Techniques for Information Security in Wireless System. *Sule Lamido University Journal of Science & Technology* Vol. 6 No. 1&2 [March, 2023], pp. 21-29 <https://doi.org/10.56471/slujst.v6i.301>
 13. Muhaammad, N. M., Ambursa, F. U., & **Faruk, N.** (2023). Two-Phase Virtual Machine Placement in Cloud Computing Data Centers Using Extreme Learning Machine Prediction-Based Triggering Method. *Sule Lamido University Journal of Science & Technology* Vol. 6 No. 1&2 [March, 2023], pp. 113-130 <https://doi.org/10.56471/slujst.v6i.359>

14. Baba, B. A., Garba, S., & **Faruk, N.** (2023). Analysis of Multi-Robot Cooperative Hunting Using Differential Game. *Sule Lamido University Journal of Science & Technology* Vol. 6 No. 1&2 [March, 2023], pp. 1-7 <https://doi.org/10.56471/slujst.v6i.221>
15. Garba, S., **Faruk, N.**, Alozie, E., Olagunju, H., Baba, B. A., & Olayinka, Y. (2023). Digital Skills and Awareness of Digital Technologies Among Students at Sule Lamido University Kafin Hausa. *Sule Lamido University Journal of Science & Technology* Vol. 7 No. 2 [Dec, 2023], pp. 118-128 <https://doi.org/10.56471/slujst.v7i.480>
16. Olawoyin, L. A., Abdul-Rahman, M., **Faruk, N.**, Oloyede, A., Adeniran, C., Lasisi, O., ... & Baba, B. A. (2023). Hybridization of OFDM and Physical Layer Techniques for Information Security in Wireless System. *SLU Journal of Science and Technology*, 6(1&2), 21-29.
17. Oloyede, A., **Fark, N.**, Noma, N., & Tebep, E. (2022). Measuring the Impact of the Digital Economy in Developing Countries: A Systematic Review and Meta-Analysis. *Heliyon* 9 (7), e17654, **Elsevier (Q1)**
18. Sikiru, I. A., Olawoyin, L. A., **Faruk, N.**, Oloyede, A. A., Abdulkarim, A., Olayinka, I. F. Y., ... & Imoize, A. L. (2022). Physical layer security using boundary technique for emerging wireless communication systems. *Security and Privacy*, e288. Wiley Periodicals, Inc [Q2].
19. Adewole, K.S.; Mojeed, H.A.; Ogunmodede, J.A.; Gabralla, L.A.; **Faruk, N.**; Abdulkarim, A.; Ifada, E.; Folawiyo, Y.Y.; Oloyede, A.A.; Olawoyin, L.A.; et al.(2022). Expert System and Decision Support System for Electrocardiogram Interpretation and Diagnosis: Review, Challenges and Research Directions. *Appl. Sci.*2022, 12, 12342. <https://doi.org/10.3390/app122312342>. **Elsevier [Q1]**.
20. Alozie, E.; Abdulkarim, A.; Abdullahi, I.; Usman, A.D.; **Faruk, N.**; Olayinka, I.-F.Y.; Adewole, K.S.; Oloyede, A.A.; Chiroma, H.; Sowande, O.A.; et al. A Review on Rain Signal Attenuation Modeling, Analysis and Validation Techniques: Advances, Challenges and Future Direction. *Sustainability* 2022, 14, 11744. <https://doi.org/10.3390/su141811744> [Q1].
21. **Faruk, N.**, Adebowale, Q. R., Olayinka, I. F. Y., Adewole, K. S., Abdulkarim, A., Oloyede, A. A., ... & Taura, L. S. (2022). ANN-Based Model for Multiband Path Loss Prediction in Built-up Environments. *Scientific African*, e01350, **Elsevier, [Q1]**.
22. Musa, N., Gital, A. Y. U., Aljojo, N., Chiroma, H., Adewole, K. S., Mojeed, H. A., **Faruk, N.**, ... & Katb, I. (2022). A systematic review and Meta-data analysis on the applications of Deep Learning in Electrocardiogram. *Journal of Ambient Intelligence and Humanized Computing*, 1-74. **Springer**, <https://doi.org/10.1007/s12652-022-03868-z> [Q1].
23. Adetiba, E., Olaloye, F. J., Abayomi, A., **Faruk, N.**, Moyo, S., Obiyemi, O., & Thakur, S. (2022). Compact automatic modulation recognition using over-the-air signals and FOS features. *Bulletin of Electrical Engineering and Informatics*, 11(4). DOI: <https://doi.org/10.11591/eei.v11i4.4119> [Q3].
24. Sowande, O., Idachaba, F., Ekpo, S., Faruk, N., Uko, M., & Ogunmodimu, O. (2022). Sub-6 GHz 5G Spectrum for Satellite-Cellular Convergence Broadband Internet Access in Nigeria. *International Review of Aerospace Engineering*, 15(2). [Q2]

<https://doi.org/10.15866/irease.v15i2.20240>

25. Fahm, A. O., Azeez, A. L., Imam-Fulani, Y. O., Mejabi, O. V., Faruk, N., Abdulrahman, M. D., ... & Surajudeen-Bakinde, N. T. (2022). ICT enabled Almajiri education in Nigeria: Challenges and prospects. *Education and Information Technologies*, 27(3), 3135-3169. **Springer** <https://doi.org/10.1007/s10639-021-10490-7>. [Q1]:
26. Abdulkarim., A.O., **Faruk., N** and David Grace (2022). A Techno-Economic Model for Future Deployment of Fixed Broadband Services to Stimulate Development across in Rural Africa", *Int. J. of Mobile Communications, Published by Inderscience*, Accepted for Publication. In Print DOI: 10.1504/IJMC.2022.10040750 [Q2]:
27. Abdulkarim., A.O., **Faruk., N** and Wasiu R. (2022). COVID-19 Lockdown and Remote Attendance Teaching In Developing Countries: A Review of Some Online Pedagogical Resources, *African Journal of Science, Technology, Innovation and Development, Published by Taylor and Francis*, pp 1-19. DOI: [10.1080/20421338.2021.1889768](https://doi.org/10.1080/20421338.2021.1889768) [Q2]
28. Alozie, E., **Faruk., N.**, Oloyede, A., Sowande, O., Imoize, A., Abdulkarim, A., & Garba, S. (2022). Intelligent Process of Spectrum Handoff in Cognitive Radio Network. *SLU Journal of Science and Technology*, 4(1&2), 205-218
29. Adeniran, T., Odebiyi, R., Olawoyin, L., **Faruk, N.**, Adebowale, Q., & Garba, S. (2022). Web-Based RFID Patient Identification System: A Case Study of UNILORIN Clinic. *SLU Journal of Science and Technology*, 3(1 & 2), 89-100.
30. Surajudeen-Bakinde, N., **Faruk, N.**, Oloyede, A., Abdulkarim, A., Olawoyin, L., Popoola, S., & Adetiba, E. (2021). Effect of Membership Functions and Data Size on the Performance of ANFIS-Based Model for Predicting Path Losses in the VHF and UHF Bands. *Journal of Engineering Research*. 10.36909/jer.10457. pp 1-37
31. **Faruk, N.**, Abdulrasheed, I. Y., Surajudeen-Bakinde, N. T., Adetiba, E., Oloyede, A. A., Abdulkarim, A., ... & Atayero, A. A. (2021). Large-Scale Radio Propagation Path Loss Measurements and Predictions in the VHF and UHF Bands. *Heliyon*, e07298, Elsevier [Q1]
32. Abdulkarim, A., Lawan, A., **Faruk, N.**, Oloyede, A., & Mohammed, A. (2021). Output Power and Solar Radiation Potential of Some Selected States In Nigeria. *International Journal of Engineering and Technology Research Published by Cambridge Research and Publications*, Vol. 21 No.5 June, 2021.
33. **Faruk, N.**, Abdulkarim, A., Emmanuel, I., Folawiyo, Y. Y., Adewole, K. S., Mojeed, H. A., ... & Katibi, I. A. (2021). A comprehensive survey on low-cost ECG acquisition systems: Advances on design specifications, challenges and future direction. *Biocybernetics and Biomedical Engineering, Published by Elsevier, 2021*. Volume 41, Issue 2, Pages 474-502. <https://doi.org/10.1016/j.bbe.2021.02.007> [Q1]
34. Quadri Ramon Adebawale, **Nasir Faruk**, Kayode S. Adewole, Abubakar Abdulkarim, Lukman A. Olawoyin, Abdulkarim A. Oloyede, Haruna Chiroma, Aliyu D. Usman, Carlos T. Calafate, "Application of Computational Intelligence Algorithms in Radio Propagation: A Systematic Review and Metadata Analysis", *Mobile Information Systems*, vol. 2021, Article ID 6619364, 20 pages, 2021. <https://doi.org/10.1155/2021/6619364> **Hindawi** [Q1]

35. Abdulrahman, M. D., **Faruk, N.**, Oloyede, A. A., Surajudeen-Bakinde, N. T., Olawoyin, L. A., Mejabi, O. V., ... & Azeez, A. L. (2020). Multimedia tools in the teaching and learning processes: A systematic review. Published by *Heliyon*, **6(11)**, e05312, Published by Elsevier. [Q1]
36. **Faruk, N.**, Surajudeen-Bakinde, N. T., Abdulkarim, A., Oloyede, A. A., Olawoyin, L., Bello, O. W., & Edo, T. O. (2020): Rural Healthcare Delivery in Sub-Saharan Africa: An ICT-Driven Approach. *International Journal of Healthcare Information Systems and Informatics (IJHISI)*, 15 (3), 1-21, Published by IGI Global. Available online on: <https://www.igi-global.com/article/rural-healthcare-delivery-in-sub-saharan-africa/251830> [Q4]
37. Olawoyin, L. A., **Faruk, N.**, Oloyede, A. A., Popoola, S. I., Adeniran, T. C., Surajudeen-Bakinde, N. T., & Abdulkarim, A. (2020): Secure transmission in an unfriendly environment. *ICT Express*, 6(2), 104-108. Published by Elsevier BV. Available online 1st October 2019. [Q2]
38. Oloyede, A.A., Olawoyin, L.A., **Faruk, N.**, Abdulkarim, A., Otuoze A.O (2020): Energy Consumption In Perpetual Wireless Sensor Networks, *Zaria Journal of Electrical Engineering Technology, Department of Electrical Engineering*, 9(1), pp 47-61. Published by Ahmadu Bello University, Zaria – Nigeria. Available online on: <https://zjeet.ng/archive.php?year=2020>
39. Oloyede,A.A., **Faruk,N.**, Olawoyin,L.A., Abdulkarim,A., Surajudeen-Bakinde, N.T (2020): Modelling Of An Urban Traffic System Using Artificial Intelligence, *Zaria Journal of Electrical Engineering Technology, Department of Electrical Engineering*, 9(1), pp 101-113. Published by Ahmadu Bello University, Zaria – Nigeria. Available online on: <https://zjeet.ng/archive.php?year=2020>
40. Abdulkarim A. Oloyede, **Nasir Faruk**, Abubakar Abdulkarim, Lukman A. Olawoyin, Nazmat T. Surajudeen-Bakinde (2020): Dynamic Topology Routing Protocol for Wireless Sensor Networks, *Nigerian Research Journal of Engineering and Environmental Sciences 5(1)* , pp. 319-332. Published by Department of Chemical Engineering, University of Benin, Nigeria. Available on line www.rjees.com
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4. TECHNICAL REPORTS

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188. **Nasir Faruk**, Abdulkarim A. Oloyede, Salisu Garba , Emmanuel Alozie , Abiola Peace Oyeniyi and Umar Yaya **(2026)** . Draft guideline on the best uses of Blockchain technology in Africa and policy regulation framework, standards including the infrastructure requirements to implement Blockchain applications.. Interim Report, Submitted to African Telecommunication Union (ATU), Jan 2026, pp 1-46
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190. Nasir FARUK, A.D. Usman, Abdulkarim A. OLOYEDE, Abubakar ABDULKARIM, . K.S ADEWOLE, Salisu Garba , Ruqayyah Yusuf Aliyu, Dahiru Jafaru Usman, Mustapha Hussaini, Aminu Abdullahi and Agbotiname Lucky Imoize (2026). • Green Virtual Clinic Models, Health Information System and National Clinical Data Repository for Sustainable Healthcare Delivery in Nigeria. Grant No. TETF/ES/DR&D/CE/NRF-2021/SETI/ICT/00112. (Interim Report) Submitted to TETFund. December 2025. Pp 1-200
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LIST OF SELECTED MAJOR CONFERENCES ATTENDED

S/N	Name of Conference	Year	Country
1.	IEEE Connected Objects, Artificial Intelligence, Telecommunications and Electronics Engineering: Proceedings of COCIA'2025	2025	Morocco
2.	4th IEEE International Conference on Innovative Research in Applied Science, Engineering and Technology (IRASET)	2024	Morocco
3.	IEEE AFRICON	2023	Nairobi, Kenya
4.	2nd International Conference on Multidisciplinary Engineering and Applied Science (ICMEAS)	2023	Nile University Abuja
5.	International Conference on Deep Learning, Artificial Intelligence and Robotics	2021	Salerno, Italy.
6.	19th International Conference on Computational Science and Its Applications (ICCSA),	2019	Saint Petersburg, Russia
7.	IEEE International Conference on Emerging Topics in Computing (IEEE iCETiC 19)	2019	University of Essex, UK
8.	2nd International Conference of the IEEE Nigeria Computer Chapter (NigeriaComputConf)	2019	ABU, Zaria
9.	IEEE International Rural and Elderly Health Informatics Conference (IREHI)	2018	Université d'Abomey-Calavi Cotonou, Benin
10.	IEEE NIGERCON	2017	Imo, Nigeria
11.	IEEE AFRICON	2017	Cape Town, SA
12.	World Congress on Engineering and Computer Science (WCECS 2017),	2017	San Francisco, USA.
13.	5th Annual Conference of Association of West Africa Universities (AWAU), Niamey,	2017	Niamey , Niger
14.	IET Antennas & Propagation Conference	2017	Loughborough, UK
15.	Advances in Wireless and Optical Communications (RTUWO)	2016	Riga, Latvia
16.	Grduate ICT and Education summit,	2016	Kigali, Rwanda
17.	IEEE International Conference on Cyberspace	2015	Abuja, Nigeria
18.	ACM International Conference on Computer Science Research and Innovations, CoSRI	2015	UNILORIN, Nigeria
19.	IEEE International Conference on Information and Communication Systems	2015	Amman, Jordan
20.	IEEE 6th International Conference on Adaptive	2014	Covenant Univeristy,

	Science & Technology (ICAST),		Nigeria
21.	Dynamic spectrum alliance summit,	2014	Accara,Ghana
22.	Innovation Africa Digital Summit	2014	The Gambia
23.	YES summit	2013	Mauritius
24.	IEEE EUROCON	2013	Zagreb, Croatia
25.	6th IEEE Conference on Information Technology	2013	Amman, Jordan
26.	Global multi disciplinary conference	2013	Geogia
27.	IEEE International Conference on Emerging & Sustainable Technologies for Power & ICT in a Developing Society	2013	Imo, Nigeria
28.	International Conference on Science, Technology, Education, Arts, Management & the Social Sciences.	2013	University of Ibadan, Nigeria
29.	IEEE Conference on Communication, Science & Information Engineering, IEEE CCSIE	2011	London,UK

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