



Electrical & Electronics Engineering Department
Jigawa State Polytechnic for Information and
Communication Technology (JSPICT),
KM 3, Kano – Daura Road
Kazaure - Nigeria

Engr. Saidu Abubakar ADAMU, PhD

MIEEE, MNSE, MTRCN, C.Engr. (COREN)

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STATEMENT

Saidu Adamu Abubakar received his Bachelor and Master of Engineering Degrees in Electrical Engineering from Bayero University Kano in 1996 and 2014 respectively and Doctor of Philosophy Degree in Telecommunications from the Universiti Malaysia Sarawak (UNIMAS) in 2019. Has over twenty seven (27) years cognate working experience in both the power and telecommunication industry with multi-tasking management ability and a strong work ethics. A self-motivated individual and a team player who possesses strong inter-personal relations with demonstrable experience in man and resource management. Work philosophy is based on working with transparency, integrity, discipline and honesty.

A well organized and consummate professional with a desire to have a challenging career in Engineering, with the opportunity of growing, developing talent and professional skills in an enabling environment. An effective communicator with the ability to mobilize colleagues and subordinate, towards achieving the common good of an organization.

He is a registered member of the Institute of Electrical and Electronics Engineers (IEEE – USA), Nigerian Society of Engineers (NSE), Teachers Registration Council of Nigeria (TRCN) and the Council for the Regulation of Engineering in Nigeria (COREN) and is computer literate.

PERSONAL DATA

DATE OF BIRTH: 20TH FEBRUARY, 1971.
MARITAL STATUS: MARRIED.
STATE OF ORIGIN: JIGAWA.
LOCAL GOVERNMENT: TAURA.
NATIONALITY: NIGERIAN.
BLOOD GROUP: A+
RES. ADDRESS: House NO. E13,
Sahelian Ranch Estate,
Gidan Sarkin Dutse,
Dorayi Qrts,
Kano, Nigeria.

PRESENT RANK

Chief Lecturer (CONPCASS 15/9)

January 2022 – Date

EDUCATIONAL QUALIFICATIONS AND DATES OBTAINED

Postgraduate Diploma in Education (PGDEd)

University of Maiduguri

2019 – 2021

Doctor of Philosophy (Antenna and Propagation)

Universiti Malaysia Sarawak, Malaysia

2016 – 2019

Master of Engineering (M. Eng) Electrical Engineering

Bayero University, Kano.

2011 – 2014

Bachelor of Engineering (B. Eng) Electrical Engineering

Bayero University, Kano.

1991 – 1996

National Diploma (Electrical and Electronics Engineering)

Kano State Polytechnic (S.O.T).

1988 – 1991

NJIT IT Master Certificate

Legacy Computer Institute, Kaduna.

2005 – 2006

Information Technology Infrastructure Library (ITIL) Management Foundation

New Horizon Institute of Technology, Lagos.

April, 2008.

Cable Technology (C-Tech)

POST QUALIFICATION WORK EXPERIENCE

A. ADMINISTRATIVE EXPERIENCE

I. ACTING RECTOR, Jigawa State Polytechnic for Information and Communication Technology (JSPICT), Kazaure. May 2025 – August 2025.

Responsibilities

- ❖ Acting as the Chief Executive Officer of the Polytechnic coordinating the day-to-day administration of the institution.
- ❖ Ensure efficient operation of all academic and non-academic department, and development and maintenance of academic standard.
- ❖ Supervise the preparation and management of the institution's budget and ensure prudent use of financial resources.
- ❖ Implement policies as directed by the Governing Council and reporting regularly to the Council on Institutional matters.
- ❖ Overseeing Curriculum development and quality assurance, and encouraging academic research, innovation and scholarly excellence.
- ❖ Ensure a conducive learning environment and student welfare while addressing student concern and discipline.
- ❖ Overseeing the development and maintenance of physical infrastructure.
- ❖ Ensure the provision of adequate facilities and resources for teaching and research.
- ❖ Supporting extracurricular and leadership development programs.
- ❖ Represent the Polytechnic at national and international levels while building relationships with stakeholders such as government agencies, industry partners and alumni.

II. DEPUTY RECTOR, Jigawa State Polytechnic for Information and Communication Technology (JSPICT), Kazaure. May 2025 – DATE.

Responsibilities: Assisting the Rector in the discharge of his day – to – day activities including:

- ❖ Acting as the Chief Executive Officer of the Polytechnic coordinating the day-to-day administration of the institution.
- ❖ Ensuring efficient operation of all academic and non-academic department, and development and maintenance of academic standard.
- ❖ Supervising the preparation and management of the institution's budget and ensure prudent use of financial resources.

- ❖ Implementing policies as directed by the Governing Council and reporting regularly to the Council on Institutional matters.
- ❖ Overseeing Curriculum development and quality assurance, and encouraging academic research, innovation and scholarly excellence.
- ❖ Ensuring a conducive learning environment and student welfare while addressing student concern and discipline.
- ❖ Overseeing the development and maintenance of physical infrastructure.
- ❖ Ensuring the provision of adequate facilities and resources for teaching and research.
- ❖ Supporting extracurricular and leadership development programs.
- ❖ Representing the Polytechnic at national and international levels while building relationships with stakeholders such as government agencies, industry partners and alumni.

**III. DIRECTOR CONSULTANCY SERVICES UNIT, Jigawa State Polytechnic for Information and Communication Technology (JSPICT), Kazaure.
September 2019 – December 2020 & August 2022 – August 2024.**

Responsibilities

- ❖ Overseeing the general day-to-day administration of the unit.
- ❖ Coordinate with relevant units and departments both internal and external to ensure customer satisfaction.
- ❖ Effectively managing projects, providing solutions design, and implementing and generating project results for the Institute.
- ❖ Identifying, creating, and delivering innovative service strategies and tools to generate revenue opportunities related to new and existing clients.
- ❖ Creating project plans, deliverables, and timelines to meet the Institute's customer needs.
- ❖ Develop and manage a team of consultants as well as the customer experience from sales to execution.
- ❖ Creating final client status reports and overseeing quality-control efforts.

**IV. HoD ELECT & ELECTR. ENG'G DEPARTMENT (April 2023 – Date)
HoD COMPUTER ENGINEERING DEPARTMENT (January 2010 – April 2016), Jigawa State Polytechnic for Information and Communication Technology (JSPICT), Kazaure.**

Responsibilities

- ❖ Coordination, control and performance assessment of both staff and student of the departments.
- ❖ Planning of academic activities of the departments.
- ❖ Posturing appropriate communication channel between staffs and students of the departments.

- ❖ Helping in bringing out innovative ideas from among staff and student.
- ❖ Delivering lectures to students on some modules.

B. TEACHING EXPERIENCE

I. Courses Taught, Jigawa State Institute of Information Technology, Kazaure. January 2010 – Date

S/No	Course Code	Course Title
(National Courses)		
i	CTE 121	Digital Computer Fundamentals I
ii	CTE 213	Digital Computer Fundamentals II
iii	CTE 245	Telecommunications Engineering
iv	EEC 234	Electronics II
v	EEC 116	Electrical Workshop Practice
vi	EEC 114	Report Writing
vii	COM 122	Introduction to Internet
viii	COM 112	Introduction to Digital Electronics
ix	COM 126	PC Upgrade and Maintenance
x	COM 223	Basic Hardware Maintenance
xi	TET 213	Data Communication and Networks
xii	TET 242	Network Planning and Management
xiii	ICT 302	Computer Packages
xiv	ICT 321	Data Communication and Networking
xv	EEE 325	Digital Communication I
xvi	EEE 435	Digital Communication II
xvii	EEC 128	Telecommunications Engineering I
xviii	EEC 238	Telecommunications Engineering II
xiv	EEC 114	Technical report Writing
(International Courses)		
i	CNW 101	Essentials of Networking and Network Security
ii	CNW 201	Networks and the Internet
iii	IT207	Networking Essentials
iv	CMA 101	Mathematics for Computing
v	CMA 201	Discrete Mathematics
vi	C1006	Computer Networks
vii	C0001	Computer Operations
viii	C0002	Mathematics
Iman College of Business Technology (ICBT)		
i	CSK 503	Technical Report Writing
ii	NSS 231	Introduction to WAN technologies
iii	NSS 234	Data Security
iv	NSS 242	Fundamentals of Wireless LAN
(Degree Program – ABU Zaria)		
i	EEEN 301	Circuit Theory and Systems I

ii	EEEN 302	Circuit Theory and Systems II
iii	EEEN 342	Telecommunication Principles
iv	EEEN310	Electronics Engineering
v	EEEN328	Physical Electronics
vi	ELE 7308	Elect & Electr Measurement & Instrumt

II. Facilitation and Project Supervision, National Open University of Nigeria (NOUN), Sauna, Danbatta, Fagge, D/Tofa, Gabasawa Study Centers

- a. 20 No. M.Sc Students
- b. 10 No. PGD Students
- c. 47 No. B.Sc Students

III. External Moderator (2019/2020 Academic Session To Date)

- a. Department of Electrical & Electronics Engineering Technology, Federal Polytechnic, Kabo, Kano State, P.M.B 3353, Kano State.
- b. Department of Electrical & Electronics Engineering, School of Technology, Kano State Polytechnic, Matan Fada Road, Kano, Nigeria.
- c. Department of Computer Engineering, School of Technology, Bilyaminu Usman Polytechnic, Hadejia, Jigawa State, Nigeria.
- d. Department of Electrical & Electronics Engineering, College of Engineering, Hassan Usman Katsina Polytechnic, Tafawa Balewa Way, Katsina, Nigeria.
- e. Department of Computer Engineering Technology, College of Engineering, Federal Polytechnic Daura, Katsina State, Nigeria.
- f. Department of Mechatronics Engineering, School of Technology, Kano State Polytechnic, Matan Fada Road, Kano, Nigeria.
- g. Facilitator and Project Supervisor (M.Sc, PGD and B.Sc), National Open University of Nigeria, Kano Study Center, Sauna and Other Community Study Centers – Kano, Nigeria.

C. INDUSTRIAL EXPERIENCE

I. First Inland Bank Plc (FinBank), Kano Region November 2007 – December 2009

Responsibilities

- Support of FINACLE banking application and other applications running in the Bank at the assigned branches
- Supervise all network and communication infrastructure deployment and support at the assigned branches.
- Ensure the links between Data Center and branches are maintained with minimal downtime.
- Document/Update Error logs and configuration changes concerning files and applications.
- Assist in resolving users LAN/PC support request within assigned branches.
- Periodically organize training/Workshop for users on productivity tools and other applications supported by the IT unit.

**II. Nigerian Telecommunications (NITEL) Limited, Kaduna
September 1999 – October 2007**

Responsibilities

- Maintenance and Control of Transmission equipment at the Terminal Station i.e. Kaduna Carrier Room.
- Maintenance and Control of Transmission equipment (Analogue and Digital) along the routes under Kaduna Maintenance Control Point (MCP).
- Supervision and Participation in the Installation and Commissioning of MSS, BSS and BTS equipment for M-Tel GSM Network expansion project.
- Supervision and Participation in the supply and Installation of NIGERIAN TELECOMMUNICATIONS LIMITED Pilot project of 8:1 Compression equipment between ABUJA and KADUNA.
- Lectures, Practical and demonstration to NYSC members, Students on Industrial Training and those on excursion visits.

**III. National Electric Power Authority (NEPA), Jos, Kano, Bauchi
January 1998 – September 1999**

Responsibilities

- Maintenance of numerous distribution sub-stations of various capacities and voltage ratios.
- Installation of many transformers of various capacities and voltage ratios.
- Planning and Construction of multiple kilometer length of both 33KV and 11KV feeder lines.
- Maintenance and construction of several length of distribution low tension line (415/230V) network.

**IV. ALIMS Plastic Packaging Industry, Aviele – Ughiole, Edo State.
June 1996 – May 1997**

Responsibilities

- Maintenance and Repairs of Extrusion Machines.
- Maintenance and Repairs of Cutting Machines.
- Maintenance and Repairs of Standby Generating Sets (100KVA).
- Maintenance and Repairs of All Electrical Installations.
- Preparation of Weekly Maintenance Schedule

D. MEMBERSHIP OF PROFESSIONAL BODIES

- ❖ Nigerian Society of Engineers (NSE). (**Reg. No. 15955**)
- ❖ Council for the Regulation of Engineering in Nigeria (COREN). (**R. 12359**)
- ❖ Institute of Electrical and Electronics Engineers (IEEE) (**Reg. No. 98325481**)
- ❖ Teachers Registration Council of Nigeria (**Reg. No. KN/R/22260**)

E. REASERCH INTEREST

- ✓ Design of Vivaldi Antennas
- ✓ Design of Microstrip Antennas
- ✓ Electromagnetic Band Gap Structures
- ✓ Artificial Magnetic Conductors
- ✓ Design of Microwave Imaging Antennas
- ✓ Metamaterial Structures
- ✓ Design of Millimeter Wave Frequency Antennas
- ✓ RFID Antennas for Readers and Tags
- ✓ RF and Microwave Communication Systems
- ✓ Design of Phased Array Antennas

F. COMMUNITY SERVICE AND AWARD

S/No	Community Organization	Position/Award	Date
1	Sahelian Ranch Estate Development Association	Secretary General	Jan 2020 – Dec 2022
2	Sahelian Ranch Estate Development Association	Chairman, Committee on Transformer Relocation	August, 20189
3	Sahelian Ranch Estate Development Association	Member, Committee on Drainage and Culvert Construction	August, 2019
4	Sahelian Ranch Estate Development Association	Secretary, Adhoc Security Committee	Oct., 2019

5	Sahelian Ranch Estate Development Association	Member , Education and Youth Development Committee	March, 2020
6	Sahelian Ranch Estate Development Association	Member , Central Mosque Committee	Oct., 2020
7	Sahelian Ranch Estate Development Association	Chairman , Power and Electricity Committee	June, 2024
8	Govt. Tech. College Wudil Old Boy's Association (Wudtoba) 1988 Chapter	Chairman	Jan 2025 to Date
AWARDS			
1	Sahelian Ranch Estate Development Association	Commendation Letter	December 2020
2	Sahelian Ranch Estate Development Association	Commendation Letter	November, 2024
3	Taura Foundation (TAUFO)	Commendation Letter	December, 2024

G. SELECT JOURNAL PUBLICATIONS

Ultra-Wideband Antipodal Vivaldi Antenna for Enhanced Perimeter Surveillances
International Journal of Advances in Engineering and Management (IJAEM), vol. 7, issue 05, May 2025, pp. 489 – 493. www.ijaem.net ISSN 2395-5252

A Preliminary Investigation of Copter Drone Detection by using Forward Scattering Radar
Journal of Aerospace Engineering and Mechanics, vol. 6, issue 1, July 2022, pp. 588 – 595.

Design and Implementation of IoT Based Monitoring and Control of Electrical Appliances using GSM/GPRS Module
International Journal of Engineering Processing & Safety Research (IJEPSR), vol. 24, no. 5, March 2022, pp. 247 – 256.

Application of Modified Electromagnetic Band Gap (EBG) Structures for Notch Band in Ultra-Wideband Antennas.
American Journal of Engineering Research (AJER), vol. 10, issue 8, August 2021, pp. 259 – 264.

Propagation Model for Path Loss Measurement through Concrete Wall at 2.4 GHz.
Journal of Electronics and Communication Engineering Research, vol. 7, issue 9, September 2021, pp. 30 – 35.

Characterization of Modified Electromagnetic Band Gap Structures for Notch Band Applications.
International Journal of Electrical and Electronics Engineering (IJEET), vol. 7, issue 7, July 2020, pp. 16 – 19.

Compact Antipodal Vivaldi Antenna for Short Range Communication.
International Research Journal of Advanced Engineering and Science, vol. 5, issue 3, July 2020, pp. 75 – 77.

An Improved Experimental Methodology for GPS Propagation Sentences Evaluation.
International Journal of Scientific and Technology Research, vol.9, issue 4, April 2020, pp. 3774 – 3778.

Band-notched Antipodal Vivaldi Antenna using Edge-Located Vias Mushroom EBG Structure for Ultra-Wideband Applications.
International Journal of Innovative Technology and Exploring Engineering (IJITEE). vol. 9, issue 4, February 2020, pp. 2455– 2459.

Bandwidth and Gain Enhancement Techniques of Microstrip Patch Antenna: A Review
Kazaure Journal of Science, Technology and Humanities, vol 1, no. 1, Dec, 2019, pp. 79 – 90.

Trends in Information Communication Technology (ICT) for National Development
FASAHA Journal of Science & Technology, vol. 1 issue 2, January 2019, pp. 141-145.

Corrugated Band-Notched Antipodal Vivaldi Antenna using Mushroom EBG Structure for Wideband Applications.
Journal of Advanced Research in Engineering Knowledge, vol. 5, no. 1, Dec, 2018, pp. 66–75.

High – Gain Modified Antipodal Vivaldi Antenna for Ultra Wide Band Applications.
Journal of Telecommunications, Electronics and Computer Engineering, vol. 10, No, 1 – 12, Apr, 2018, pp. 55 – 59.

Corrugated Antipodal Vivaldi Antenna for Radar Applications.

The Institute of Electronics, Information and Communication Engineers (IEICE)
Technical Report, vol. 117, No, 321, Nov, 2017, pp. 111 – 116.

Review on Gain and Directivity Enhancement Techniques of Vivaldi Antennas.

International Journal of Engineering Research, vol. 8, issue 3, March 2017, pp. 1919 – 1927.

Comparison of Control Strategies Applied to Nonlinear Quarterly Car Passive Suspension System.

International Review of Automatic Control (IREACO), vol. 8, no.3, May 2015, pp.203–208.

Benefits of Adopting Virtual Learning Environment to Democratize Higher Education

National Journal of Humanities, Science and Technology, vol. 1, no. 3, Nov, 2014, pp. 269–276.

Information and Communication Technology (ICT) in Engineering Education: Challenges and Prospects.

Garkuwa Journal of Education, vol. 6, no.4, Oct, 2014, pp. 56–65.

Indirect Adaptive Fuzzy Controller for Frequency Tracking in a Nonlinear Interconnected Two Area Power System Network.

International Journal of Engineering and Science, vol.3, issue 2, Sept, 2014, pp. 36 – 44.

Information and Communication Technology in Engineering Practice and Training in Nigeria: Towards Attaining Vision 20:2020.

National Journal of Humanities, Science and Technology, vol. 1, no. 2, Nov, 2013, pp. 148–155.

H. SELECT CONFERENCE PAPERS

19Th NIEEE International Conference and Exhibition on Power and Telecommunications, Abeokuta, Ogun State, Nigeria. 11Th – 12Th October, 2022.

1. Design of Modified EBG Structure for WLAN Notch Band Applications
2. Neural Network (NN) based Classification for UAV Detection

22nd Kaduna Polytechnic National Engineering Conference, Kaduna Polytechnic, Kaduna – Nigeria, 16Th – 17Th December, 2021.

3. Modified Antipodal Vivaldi Antenna for Wireless Applications

4. Design and Analysis of Compact and Wideband Microstrip Patch Antenna for 5G Applications

3rd Academic Staff Union of Polytechnics (ASUP), Kaduna Polytechnic National Conference, Kaduna Polytechnic, Kaduna – Nigeria, 8Th – 9Th September, 2021.

5. Corrugated Antipodal Vivaldi Antenna for Remote Sensing in Public Safety Networks
6. Design and Implementation of IoT Based Monitoring and Control of Electrical Appliances using ESP32 Microcontroller

4Th Annual National Conference on Science and Technology, Kano State Polytechnic, School of Technology, Kano, 11Th – 14Th November, 2019.

7. Modified Electromagnetic Band Gap (EBG) Structures for Notch Band in Ultra-Wideband Applications

2019 National Conference, Center for Unity, Conflict Resolution & Development, Jigawa State Institute of Information Technology, Kazaure, 4Th – 7Th November, 2019.

8. Effective Implementation of Engineering Technology in Tackling Insecurity Challenges in Nigeria

3RD Annual National Conference on Science and Technology, Hussaini Adamu Federal Polytechnic, Kazaure, 2nd - 4Th October, 2019.

9. Compact Antipodal Vivaldi Antenna for Perimeter Surveillance Application
10. Development of Propagation Prediction Model for Indoor Wireless Communication at 2.4 GHz

2nd Annual National Conference of Research in Science, Engineering and Technology (CORSET), Hussaini Adamu Federal Polytechnic, Kazaure, 24Th – 25Th April, 2018.

11. Corrugated Antipodal Vivaldi Antenna for Satellite Remote Sensing of Ground Water.

**11th International UNIMAS-STEM Engineering Conference (EnCON 2018),
Universiti Malaysia Sarawak, Malaysia, 13Th – 14Th September, 2018.**

12. Band-Notched Antipodal Vivaldi Antenna using Edge-Located Vias
Mushroom EBG Structure for Ultra Wide Band Applications.

**13th International Conference on Space, Aeronautical and Navigational
Electronics 2017 (ICSANE 2017), Universiti Malaysia Sarawak, Malaysia, 23rd –
24Th November, 2017.**

13. Corrugated Antipodal Vivaldi Antenna for Radar Applications.

**10th International UNIMAS-STEM Engineering Conference (EnCON 2017),
Universiti Malaysia Sarawak, Malaysia, 13Th – 14Th September, 2017.**

14. High-Gain Modified Antipodal Vivaldi Antenna for Ultra Wide Band
Applications

**13Th National Conference on Diversification of the Nigerian Economy Amidst
Global Economic Crisis, Kano State Polytechnic, School of Technology, Kano,
7Th – 10Th November, 2016.**

15. Trends in Information and Communication Technology (ICT) for National
Development.

**16th National Engineering Conference, College of Engineering, Kaduna
Polytechnic, Kaduna, 9th – 10th Dec, 2014.**

16. Challenges and Prospect of Information and Communication Technology (ICT)
in Engineering Education in Nigeria.

**Multidisciplinary Academic Conference, College of Environmental Studies,
Kaduna Polytechnic, Kaduna, 11th – 12th September, 2014.**

17. Fuzzy System Modeling and Analysis Applied to an Experimental Power
Generation System.

**3rd Interdisciplinary Annual National Conference, Hussaini Adamu Federal
Polytechnic, Kazaure, 25th – 29th Nov, 2013.**

18. Computer, Information and Communication Technology for Education: Issues and Challenges.

19. Benefits of Adopting Virtual Learning Environment to Democratize Higher Education.

9th Annual National Conference, Federal Polytechnic, Auchi, 13th – 17th May, 2013.

20. Engineering Education for Sustainable Future: The Way Forward.

2nd Interdisciplinary Annual National Conference, Hussaini Adamu Federal Polytechnic, Kazaure, 19th – 22nd November, 2012.

21. Information and Communication Technology in Engineering Practice and Training in Nigeria.

HOBBIES

Football, Reading, Computers, Engineering Design, Traveling and Current Affairs.

REFEREES

Engr. Prof. Sanusi Sani Adamu

Dept. of Electrical Engineering,

Bayero University Kano,

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Engr. Prof. Salisu Muhammad Lawan

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Federal University of Technology,

Babura.

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