

CURRICULUM VITAE

A. BIODATA

Name: **ABDULHAMID** Ibrahim Garba
Date and Place of Birth: 28th August 1985, Badawa
Gender: Male
State of Origin: Kano
Nationality: Nigerian
Marital Status: Married
Number and ages of children: Four children: ages 7, 5, 3 and 3
Religion: Islam
Contact Address: 1529, Rauda-keyi,
E-Mail Address: ibrahim.abdulhamid@federalpolyilaro.edu.ng
abdulhamidgarbaibrahim@gmail.com
Telephone Number: (+234)8060446631
Present Position: Lecturer I (Jan, 01 2026-Date)

B. INSTITUTIONS ATTENDED WITH DATES

- i. Aliko Dangote University of Science and Technology, Wudil **2025**
- ii. Sharda University, Greater Noida, India **2015**
- iii. Kano University of Science and Technology, Wudil **2012**
- iv. Kano Day Science College **2006**

C. ACADEMIC QUALIFICATIONS WITH DATES

- i. PhD in view
- ii. M.Tech. Electrical/Electronic Engineering **2015-Date**
- iii. B.Eng. Electrical **2011**
- iv. Senior School Certificate (WAEC & NECO) **2006**

D. PROFESSIONAL CERTIFICATES OBTAINED

- i. Certificates in Advanced Embedded System Using AVR **2015**
- ii. Certificate in Lab View Core I and DAQ Training **2015**
- iii. Certificate On The Application Of Remote Sensing And GIS For Natural Resources **2015**
- iv. Solar Energy Basics (**COURSERA**) **2020**
- v. Introduction to Data Analysis Using Excel (**COURSERA**) **2020**

E. MEMBERSHIP OF LEARNED SOCIETIES & PROFESSIONAL BODIES

- i. Council for the Regulation of engineering in Nigeria (Reg. No R84131)- 2026
- ii. The Nigerian institution of facilities Engineering and management (NIFEngM) - 2022
- iii. The Nigerian Society of Engineers (**MNSE**) 2020

F. CONFERENCES SEMINAR AND WORKSHOPS ATTENDED

1. CONFERENCES ATTENDED

- i. 2019 National Engineering Conference Organized by the Nigerian Society of Engineers on Building of Resilient Infrastructure to Promote Sustainable Industrial Growth (**Kano 2019**).
- ii. 2018 Engineering Conference Organized by the Nigerian Society of Engineers Sustainable Engineering Infrastructure for Accelerated Rural Development (**Kada 2018**).
- iii. 2017 Engineering Conference Organized by the Nigerian Society of Engineers on Diversification of Nigerian Economy: Engineering Perspective A (**Abuja 2017**).
- iv. National Conference of The School Of Basic Sciences And Research, Sharda University, Greater Noida, India On Functional Materials: Synthesis, Application And Environmental Impact (**NCFM-2015**)
- v. National Conference of The School Of Electronics And Communication Engineering Sharda University, Greater Noida, India On Emerging Trends Of Electronics And Communication Engineering (**NCECE-2015**)

2. WORKSHOPS ATTENDED

1. Webinar on 10 things to keep in mind before submitting your manuscript to a journal organised by editage **-29th April, 2025**
2. How to simplify your Literature Review Writing with Paperpal **-20th March 2025**
3. Navigating Research Integrity: A real world cases in Academic publishing organised by editage **- 27th November, 2024**
4. How to transform raw data into Professional Graphical Abstracts by editage- **22nd November, 2024**
5. How to get your research paper to the finish line: AI Writing Tips By Paperpal- **13th June 2024**
6. 3- Day Mandatory continuing professional Education (MCPE) course for Prospective Corporate Members organized by the Nigerian Society Of Engineers (NSE) **- October, 2020**
7. Seminar On Codes and Standards for Energy and Telecommunication Held at Chida Event Centre, Utako, Abuja, Organized by West African Federation Of Engineering Organization(WAFEO) **-28th Nov 2018**
8. A Two Week Training On Visual Basic.Net, C# and Matlab Held at The Federal Polytechnic Ilaro, Ogun State **19-30th March 2018**

G. WORKING EXPERIENCE

a. ACADEMIC EXPERIENCE

I. TEACHING EXPERIENCE:

1. Lecturer I, The Department of Electrical Engineering, Federal Polytechnic Ilaro **2025-Date**
2. Lecturer II, The Department of Electrical Engineering, Federal Polytechnic Ilaro **2023-2025**
3. Volunteer, N-Power Programme
Government Junior Secondary School, Ladanai **Dec 2016- March 2017**
4. Taught Physics and Mathematics at Progressive Science and Commercial College, Badawa **March 2016-March 2017**
5. Department of Electrical Engineering, Hussaini Adamu Federal Polytechnic, Kazaure as NYSC Member **June 2012-July 2013**

II. COURSES TAUGHT:

S/N	TITLE	CODE	C.U	CLASS	NO OF STUDENTS
1	INDUSTRIAL CONTROL II	MCI 422	2	HMCE II	13
2	ELECTRONIC INSTRUMENTATION AND MEASUREMENT	MCE 123	3	NMCE I	85
3	INSTRUMENTATION AND CONTROL	MEC 314	3	HMEC I	85
4	ELECTRICAL/ELECTRONIC INSTRUMENTATION I	EEC 126	3	NEE I	77
5	ELECTRICAL/ELECTRONIC INSTRUMENTATION II	EEC 216	2	NEE II	80
6	CONTROL ENGINEERING I	EEC 316	2	HEE I	100

III. RESEARCH INTEREST

- a. Instrumentation and Controls
- b. Precision Agriculture
- c. Smart Sensors
- d. Wireless Sensor Networks

b. ADMINISTRATIVE EXPERIENCE

I. SUPERVISED STUDENT PROJECTS

1. Design and Construction of 3D outdoor LED Display, 2024 HND II project
2. Design and Construction of Solar Powered Blender, 2022 HND II project
3. Design and Construction of A PID Controlled Oven, 2019 HND II Project
4. Zigbee Based Home Automation System, 2018 HND II Project
5. Design and Implementation of Automatic Fan Speed Control System Using Temperature Sensor, 2018 HND II Project

II. MEMBERSHIP OF COMMITTEE:

- ❖ Exam Officer, Department of Electrical Engineering, the federal polytechnic Ilaro March 2025-Date
- ❖ Assistant Technical Secretary, Nigerian Society Of Engineers, Ilaro Branch **21, August, 2024- Dec, 2025**
- ❖ Financial Secretary, Nigerian Society Of Engineers, Ilaro Branch **08th Sept, 2022-21, August, 2024**
- ❖ Welfare Officer, Department of Electrical Engineering, the federal polytechnic Ilaro **2018-2025**

H. SCHOLARSHIP/FELLOWSHIP

1. Kano State Government Overseas Scholarship Award for Masters Programme

I. ACADEMIC PUBLICATIONS

a. JOURNAL PUBLICATIONS

i. LIST OF OFFSHORE JOURNAL PUBLICATIONS

Idiong, U.E., Abdulhamid, I.G. & Mosaku, A. (2025). IoT Framework for Real-Time Health Monitoring-Fingertip Sensor-Based. International Journal of Science, Architecture, Technology and Environment (IJSATE). Vol. 02, Issue 06, June 2025, PP: 169-177

Fadare, S.A. & **Abdulhamid, I.G (2024)**. Tutorial on Utilisation of Point Poisson Process (PPP) Function in Matlab^R for Simulation and Generation of Spatial Location Points. International Journal of Progressive Research in Engineering Management and Science (IJPREMS). Vol. 04, Issue 07, July 2024, PP: 169-177

Abdulhamid, I.G. & Balarabe, A.I. (2022). Automatic Level Monitoring and Control System. Iconic Research and Engineering Journals (IRE). Volume 6 Issue 6. ISSN: 2456-8880

Fagbuaro, O.E. & **Abdulhamid, I.G.** (2022). Home Automation System for Rural Community. American Journal of Engineering Research (AJER). Vol 11(04). ISSN: 2320-0936.

Suleiman, A.D. & **Abdulhamid, I.G. (2021)**. Piezoelectric Energy Harvesting Floor Mat for Low Power Applications. International Research Journal of Modernization in Engineering Technology and Science. Vol 3(12) December-2021

Abdulhamid, I.G. & Suleiman, A.D. (2021). Development of an Automatic Monitoring System of a Greenhouse Environment Using Zigbee. Iconic Research and Engineering Journals (IRE). Volume 5(3). ISSN: 2456-8880

Abubakar, H.D., **Abdulhamid, I.G** & Ahmad, B.M. (2020). Effective Energy Conservation System for Hostels. International journal of latest technology in Engineering, Management and applied sciences (IJLTEMAS). Vol IX (VII). ISSN: 2278-2540

Okoye, C.U., Bitrus I., Alao, M.J., Adelakun, N.O & **Abdulhamid, I.G** (2018). A Study and Analysis of Energy Generation and Consumption in Dangote Plant, Ibese, Ogun State, Nigeria. Global Journal of Advanced Engineering Technologies, And Sciences (2018), Vol. 5(11).

ii. LIST OF LOCAL JOURNAL PUBLICATIONS

Suleiman, A.D. & **Abdulhamid, I.G. (2024)**. Programmable Logic Controller Based Electric Oven Temperature Remote Monitoring and control. International Journal of Women in Technical Education and Employment. Vol 5(1) July-2024

b. BOOK CHAPTERS/TEXTBOOKS PUBLICATION

Suleiman, A.D., **Abdulhamid, I.G.**, Adamu, D., Fagbuaro, O.E., Olayiwola, J., Ajetunmobi, D., Mosaku, A.O., Idiong, U.E., Fadare, S.A., (2025). Fundamentals of Electrical Workshop Practice and Technology. Oluwatuberu House, Library Area, Ilaro, Ogun State, Nigeria: Femlight Productions. ISBN: 978-978-776-879-2

Ogunyemi, J., Adetona, Z., **Abdulhamid, I.** & Afunlehin, O. (2020). Fundamentals of Instrumentation and Control (Vol 1). Oluwatuberu House, Library Area, Ilaro, Ogun State, Nigeria: Femlight Productions. ISBN: 978-978-979-406-5

c. CONFERENCE PAPERS

i. LIST OF INTERNATIONAL CONFERENCE PAPERS/PROCEEDINGS

- Adelakun, O.N, Mosaku, A.O. & **Abdulhamid, I.G.** Artificial Intelligence Driven Decision Platforms for Renewable Powered Smart Farm Operations. Proceedings of the 3rd International Facilities Engineering and Management Conference, Exhibition, AGM (IFEMCE 2025). Gallery, National Engineering Centre. 27th -29th Nov 2025.
- Idiong, U.E., **Abdulhamid, I.G.** & Temitope, A. (2025). IoT-Enabled Real time Health Monitoring system Using Fingertip sensor. Book of Abstracts, 5th International Conference, the Federal Polytechnic, Ilaro, 27th April-1st May 2025.
- Adelakun, O.N., **Abdulhamid, I.G.** & Ayanlowo, O.F. Impact of Facilities Engineers on Building and Effective Maintenance Culture in Nigeria. Proceedings of the 1st International Facilities Engineering and Management Conference, Exhibition, AGM (IFEMCE 2023). Gallery, National Engineering Centre. 27th Nov 2023.
- Abdulhamid, I.G** & Idiong, U.E. (2023). Solar-Powered Water Pumping For Rural Community Water Supply. Proceedings of the 4th International Conference, the Federal Polytechnic, Ilaro, Nigeria in Collaboration with Takoradi Technical University, Takoradi, Ghana. 3rd – 7th September 2023.
- Ogunyemi, J., **Abdulhamid, I. G.**, Taiwo, M. T., Adeniyani, B.O. (2023). Design and Implementation of Micro-Controller Based Dual Source Automatic Rain-Shielded Sun Drying System. Proceedings of the 4th International Conference, the Federal Polytechnic, Ilaro, Nigeria in Collaboration with Takoradi Technical University, Takoradi, Ghana. 3rd – 7th September 2023.
- Adelakun, O.N., **Abdulhamid, I.G.** & Mosaku, A.O. (2022). Empirical Study of Digital Technology on Engineering Student's Academic Performance. 3rd International Conference on Innovative Trends in Bossiness & Technology (iCTIBT-2022), Orginesd By Innovative Knowledge Sharing Platform (iKSP), 28 & 29th October, 2022.
- Abubakar, H.D., & **Abdulhamid, I. G.** (2022). Impacts of Insurgency-Induced Power Outage on Food Security and Livelihood of the Residents of Maiduguri and the Way Forward. Proceedings of the 3rd International Conference, the Federal Polytechnic, Ilaro, 16th & 17th Aug, 2022.
- Bitrus, I. & **Abdulhamid, I.G.** (2020). Implementation of Off-Grid Solar Photovoltaic System for a Two-Bedroom Apartment. Proceedings of the 2nd International Conference, the Federal Polytechnic, Ilaro, 10th – 11th Nov., 2020

ii. LIST OF LOCAL CONFERENCE PAPERS/PROCEEDINGS

- Ogunyem, J., Ayangbenjo, H. A., & Abdulhamid, I.G.** (2023). Performance Analysis of a Solar Powered Inverter System. 2nd National Conference of The NSE, Ilaro Branch, 18-21st August, 2024
- Suleiman, A.D. & **Abdulhamid, I.G.** (2024). Design and Construction of a Smart Attendance System Using RFID Technology. 5th International Mediterranean Congress. IRSAD, Mersin, Turkiye. 13-14 Jan 2024.
- Ogunyemi, J., **Abdulhamid, I. G.**, Bamgboye, S. A., and Ayodele, T.T. (2023). Hardware Requirement for Automatic Sun Drying System. 6th National Conference of the School of Pure and Applied Sciences, the Federal Polytechnic, Ilaro, 3rd – 4th October, 2023.
- Fagbuaro, O.E.** & **Abdulhamid, I.G.**. (2023). Utilisation of Home Automation and energy Guide Label for Effective Electrical Energy Management 9th National Conference of Environmental Studies, School of Environmental Studies, Federal Polytechnic, Ilaro, 28-30th August, 2023
- Idiong, U.E. & **Abdulhamid, I.G.** (2023). Biomass as an Alternative Source of Clean Energy for Domestic Use in Rural Areas. 6th School of Engineering National Conference, School of Engineering, Federal Polytechnic Ilaro, Ogun State, Nigeria. 7-9th, August 2023.

- Ogunyemi, J., **Abdulhamid, I.G.**, and Okeke, H. S. (2021). Determination of Optimum Series Inductance for Reduction of Harmonic Distortion in Switch Mode Power Supply Applications. 5th national conference of the school of engineering (virtual), federal polytechnic, Ilaro. 8th-10th November, 2021.
- Ogunyemi, J., **Abdulhamid, I.G.**, and Balogun, B.A. Design and Construction of Home Automation System Using Arduino Uno. 5th national conference of the school of engineering (virtual), federal polytechnic, Ilaro. 8th-10th November, 2021.
- Okeke, H.S., **Abdulhamid, I.G.** & Mosaku, A.O. (2021). Distance measurement system using ultrasonic sensor as a means of preventing the spread of COVID-19. Third Annual National Engineering Conference, School of Engineering Technology, Federal polytechnic, Bauchi 28-29th Oct, 2021
- Fagbuaro, O.E. & **Abdulhamid, I.G.** (2021). Design and Construction of Occupancy Monitoring System for Social Distancing Protocol Application. 13th Engineering Forum, School Of Engineering, Federal Polytechnic, Ado-Ekiti, 11-13th October, 2021
- Okeke, H.S., Taiwo, M.A. & **Abdulhamid, I.G.** (2021). Microcontroller Socket Outlet Using Arduino Nano. 3rd International Conference of the School Of Engineering, Yaba College Of Technology, 14-16, Sept., 2021.
- Muhammad, B. & **Abdulhamid, I.G.** (2020). Enhancement of Safety and Security of Students' Hostel through Automation Scheme. 1st National Conference of Nigerian Society of Engineers (NSE), Ilaro Branch, 2-3 Nov, 2020
- Abdulhamid, I.G** & Afunlehin, O.A (2019). The Need for Precision Agriculture in Nigeria, 4th National Engineering Conference on Growing the National Economy through Technological Advancement, Engineering, Innovation and Application, The Federal Polytechnic, Ilaro, **25th-28th Nov.**
- Fadare, S.A & **Abdulhamid, I.G** (2018). Empirical Design of Solar Power System for Barbing Salons in Rural Areas: Ilaro as Case Study, 60th Anniversary, Annual Conference and AGM of The Nigerian Society of Engineers On Sustainable Engineering Infrastructure for Accelerated Rural Development, **28th -30th, Nov.**
- Afunlehin, O.A & **Abdulhamid, I.G** (2018). The Effect of Washout Filter In Derivative Control, 1st International Conference and Exhibition On Technological Innovation for Global Competitiveness, The Federal Polytechnic, Ilaro, Ogun State, **5th-8th Nov.**
- Bitrus, I., Okoye, C.U. & **Abdulhamid, I.G** (2018). The Need to Embrace Tidal Power Plant in Nigeria for Global Competitiveness in Power Sector. 1st International Conference and Exhibition on Technological Innovation for Global Competitiveness, the Federal Polytechnic, Ilaro, Ogun State, 5th-8th Nov.

J. COMMUNITY SERVICES

- a. Voluntary Teaching At Government Girls Secondary School, Badawa
Physics Teacher

2015-2016

K. EXTRA CURRICULAR ACTIVITIES

- a. Foot Ball
b. Travelling

L. REFEREES

- a. **Engr. Haris Abubakar Danladi**
Lecturer, Mechatronics Engineering Department,
Aliko Dangote University of Science and Technology, Wudil
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- b. **Engr. Suleiman, Ahmed Danasabe**
Lecturer, Department Of Computer Engineering,
Federal Polytechnic, Ilaro
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- c. **Mr. Uduak-Obong Eyo Idiong**
Lecturer, Department Of Electrical/Electronics Engineering,
Federal Polytechnic, Ilaro
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