

CURRICULUM VITAE

1. BIODATA

NAME: **AIYELABOWO** OLUWAMUYIWA PETER
DATE AND PLACE OF BIRTH: 12TH APRIL 1972, DEKINA
GENDER: MALE
STATE OF ORIGIN: KOGI
NATIONALITY: NIGERIAN
MARITAL STATUS: MARRIED
NUMBER OF CHILDREN/AGES: THREE (3), 14 YRS, 12 YRS & 10 YRS.
RELIGION: CHRISTAINITY
CONTACT ADDRESS: DEPARTMENT OF ELECTRICAL ENGINEERING,
FEDERAL POLYTECHNIC, P. M. B. 50, ILARO.
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TELEPHONE NUMBER: +2347057860954, +2348034444983
PRESENT POSITION: SENIOR LECTURER

2. INSTITUTIONS ATTENDED WITH DATES

UNIVERSITI PUTRA MALAYSIA (UPM), SERDANG, MALAYSIA,	2012 - 2018
ABUBAKAR TAFAWA BALEWA UNIVERSITY (ATBU), BAUCHI, NIGERIA,	2001 – 2004
KADUNA POLYTECHNIC, KADUNA, KADUNA STATE.	1997 - 1999
THE FEDERAL POLYTECHNIC, BIDA, NIGER STATE,	1993 – 1995
KWARA SATE POLYTECHNIC, ILORIN, KWARA STATE.	1990 – 1992
CROWTHER MEMORIAL COLLEGE, LOKOJA, KOGI STATE.	1983 - 1988

3. ACADEMIC QUALIFICATION WITH DATES

DOCTOR OF PHILOSOPHY (PHD), COMMUNICATIONS AND NETWORK ENGINEERING	2018
M.ENG., ELECTRICAL/ELECTRONIC ENGINEERING	2004
POST-HIGHER NATIONAL DIPLOMA (POST-HND), ELECTRONICS & TELECOMMUNICATION ENGINEERING	1999

HIGHER NATIONAL DIPLOMA (HND), ELECTRICAL ELECTRONICS & TELECOMMUNICATION ENGINEERING	1995
NATIONAL DIPLOMA (ND), ELECTRICAL & ELECTRONICS ENGINEERING	1992
WEST AFRICAN EXAMINATION CERTIFICATE (WAEC)	1988

4. PROFESSIONAL QUALIFICATION

COREN Registered Engineer, 14767

5. MEMBERSHIP OF LEARNED SOCIETIES & PROFESSIONAL

Corporate Member, Nigerian Society of Engineers (NSE), 18680

6. WORKING EXPERIENCE

a. ACADEMIC EXPERIENCE

- i. TEACHING EXPERIENCE: The Federal Polytechnic, Ilaro. Thirteen (13) Years.
- ii. COURSES TAUGHT: Telecommunication Engineering I, EEC 128, Telecommunication Engineering II, EEC 238, Electromagnetic Field Theory, EEC 431, Digital Communication III, EEE 445.
- iii. RESEARCH INTEREST: Electronics, Wireless and Power Line Communication.
- iv. ACADEMIC LEADERSHIP POSITION: Lead Researcher

b. ADMINISTRATIVE EXPERIENCE

- i. DEANSHIP OF SCHOOL/COLLEGE/FACULTY: NIL
- ii. HEADSHIP OF DEPARTMENT: HOD Elect/Elect. (Acting)-2012, Head of Unit (Elect/Telecomm)-2015 – 2018, HOD Elect/Elect- 2018 til date.
- iii. MEMBERSHIP OF COMMITTEE: Secretary, 1ST National Engineering Conference, The Federal Polytechnic, Ilaro, Conference Planning Committee – 2010.

7. SERVICES OUTSIDE THE POLYTECHNIC

Member, NBTE Accreditation Team for ND Electrical /Electronic Engineering, Gateway Polytechnic, Igbesa, Ogun State. November, 2009

Member, NBTE Resource Inspection Team for HND Electronics/Telecommunication Engineering, Gateway July 2010

Member, NBTE Accreditation Team for ND Electrical /Electronic Engineering, Interlink Polytechnic, Ijebu-Jesa, Osun State. August 2010

Year of update 2019

Member, NBTE Accreditation Team for ND & HND Electrical /Electronic Engineering, Mushood Abiola Polytechnic, Abeokuta, Ogun State. May 2012

Chairman, NBTE Accreditation Team for ND Electrical /Electronic Engineering, Institute of Management and Technology (IMT), Enugu, Enugu State. February 2013

Chairman, NBTE Resource Inspection Team for ND Electrical/Electronic Engineering, Ibadan City Polytechnic, Ibadan, Oyo State. August 2014

External Examiner, Department of Electrical & Electronic Engineering, Gateway Polytechnic, Igbesa, Ogun State. 2011 to 2014

External Examiner, Department of Electrical & Electronic Engineering, Allover Polytechnic, Ota, Ogun State. 2012 to 2018

8. **SCHOLARSHIP/FELLOWSHIP & PRICES:** Best Post-HND Student (Kaduna Polytechnic) – 1998, Excellent Paper Award, International Institute of Engineers and Researchers (IIER), (Kuala Lumpur, Malaysia) – 2015.

9. ACADEMIC PUBLICATIONS

a. JOURNAL PUBLICATIONS

Michael, A. E & **Aiyelabowo, O. P.**, (2018). Enhanced Resistor Value determining System, *Saapade Journal of Management, Science and Technology*, 2(1), 28 – 33.

Aiyelabowo O. P., Aduwati, S., Samsul, B. N. & Noordin, N. K., (2016). Performance evaluation of Power Line Cooperative Communication System, *International Journal of Computer Science and Networks (IJCSN)*, 2(6).

Aiyelabowo O. P., Aduwati, S., Samsul, B. N. & Noordin, N. K., (2016). Outage Probability Assessment of Power Line Cooperative Communication (PLCC) System, *International Journal of Advanced Engineering Research and Science*, 3(4).

Aiyelabowo O. P., Noordin, N. K., Ikpehai, A. & Adebisi, B., (2015). Cooperative Relaying In Power Line Environment: A Survey and Tutorial, *International Journal of Innovative Research in Computer and Communication Engineering*, 3(5).

Aiyelabowo O. P., Ng, C. K., & Noordin, N. K., (2014). Power Line Communication (PLC) Impulsive Noise Mitigation: A Review', *Journal of Information Engineering and Applications*, 4(10).

Olabiya, O. S, **Aiyelabowo O. P.**, and Keshinro, O.T, (2013). Relevance of Computer Assisted Instruction (CAI) for Effective Skill Development among Technology Education Students in Nigeria, *Journal of Education and Practice*, 4(21).

Olabiya, O. S, Benjamin, O. O. & **Aiyelabowo O. P.**, (2012). Managing the Challenges of Industrial Work Experience Scheme in Developing Workforce among the Youths in South-West Nigeria, *British Journal of Arts and Sciences*, 4(2).

Aiyelabowo O. P., and Benjamin, O. O., (2011). Entrepreneurship for Poverty Alleviation: Construction Industry Perspective, *Lagos Journal of Entrepreneurship and Technology*, 1(6).

Aiyelabowo O. P., (2010). Assessment of the Impact of MPPT in the Overall Performance of a Photovoltaic Inverter, *Journal of Science and Technology Research*, 9(4).

Aiyelabowo O. P., & Jiya, J. D., (2009). Development of a Microprocessor-Based MPPT Program, *Journal of Engineering and Earth Sciences*, 3(2), 1 - 10.

Jiya J. D. & **Aiyelabowo O. P.**, (2006). Design and Implementation of a Microprocessor-Based Inverter with Maximum Power Point Tracking for Photovoltaic applications', *Journal of Engineering Technology*.

b. BOOK CHAPTERS/BOOK PUBLICATION

Aiyelabowo, O. P., (2016). Fundamentals of Telecommunications (Vol.1), Femlight Productions, Library, Ilaro.

Aiyelabowo, O. P., (2016). Fundamentals of Telecommunications (Vol.2), Femlight Productions, Library, Ilaro.

c. CONFERENCE PAPERS

Aiyelabowo, O. P., (2018). Improving Channel Capacity in Power line cooperative communication system for Economic development in Africa ', *Commonwealth Association of Technical Universities and Polytechnics in Africa (CAPA) 40th Anniversary International Conference*, Nicon Kuxury Hotel, Abuja, Nigeria.

Aiyelabowo, O. P., Akingbade, L. O., (2018). Harnessing the Potentials of Power Line Communication for Rural Broadband Provision', *60th Anniversary and Annual Conference and AGM of The Nigerian Society of Engineers, KADA 2018*, Chida Event centre, Utako, Abuja.

Aiyelabowo, O. P., Aduwati, S., Samsul, B. N., N. K. Noordin, (2016). Selective Relaying for Reliability in Power Line Cooperative Communication System, *4th International Conference on Wireless Networks and Mobile Communication (WINCOM2016)*, Fez, Morocco.

Aiyelabowo, O. P., Aduwati, S., Samsul, B. N., N. K. Noordin, (2016). Channel Capacity and Outage probability Investigation of Selective Relaying in Power Line Cooperative Communication System' *12th NIEEE International Conference and Exhibition on Power and Telecommunication (ICEPT2016)*, Jos, Nigeria.

Aiyelabowo, O. P., Aduwati, S., Samsul, B. N., N. K. Noordin, Adebisi, B., (2015). Reed-Solomon and Convolutional Codes on Modulation Schemes for Power Line Communication (PLC), *International Conference on Robotics, Automation and Communication Engineering (ICRACE2015)*, Kuala Lumpur, Malaysia. - **The IIER Excellent Paper Award for Category of Best Presentation / Best Content at 25th IIER International Conference.**

Aiyelabowo, O. P., (2016). Relay Cooperation for Improved Symbol Error Rate Performance in Power Line Communication System, *Proceeding of International Conference on SET (COLENG2016)*, Federal University of Agriculture, Abeokuta, Nigeria. 196 - 207.

Mbamaluikhem, P. O. & **Aiyelabowo, O. P.**, (2016). Towards Introducing Pump Storage Hydro for Sustainable Rural Electrification and Energy Poverty Eradication, *13th National Conference of Academic Staff Union of Polytechnic (National)*, Kano State Polytechnic, Kano.

Ojo, B. A. & **Aiyelabowo, O. P.**, (2016). Development of Unmanned Aircraft Vehicle', *5th National Conference of Academic Union of Polytechnics, Ilaro, Ogun State*, 16th – 18th October.

Michael E. A. & **Aiyelabowo, O. P.**, (2016). Equipment Protection: A Panacea to Repositioning Technological Education, *5th National Conference of Academic Union of Polytechnics, Ilaro, Ogun State.*

Aiyelabowo, O. P., (2016). Cooperative Relaying for Channel Capacity Boosting in Power Line Communication, *3rd National Engineering Conference, School of Engineering, The Federal Polytechnic, Ilaro, Nigeria.*

Aiyelabowo, O. P., (2010). Skill in PCB; Panacea to Poverty Alleviation, *1st National Engineering Conference, School of Engineering, The Federal Polytechnic, Ilaro.*

Aiyelabowo, O. P., (2008). Assesment of 3G Network in the Development of Nigerian Telecommunication, *8th National Conference, Academic Staff Union of the Polytechnic (National), The Federal Polytechnic, Bida,*

Aiyelabowo, O. P., (2007). Design and Construction of an Electronic Ballot Box: Towards a Better Electoral Process, *2nd National Conference, Academic Staff Union of Polytechnic, Ilaro.*

Titiloye S. and **Aiyelabowo, O. P.**, (2007). GSM: An Overview of Technology and Impact on Economic Development, *3rd Annual Engineering Conference, School of Engineering, The Federal Polytechnic Bida.*

Titiloye S., Titiloye Y. A., and **Aiyelabowo, O. P.**, (2007). Steel Technology in Nigeria: Evolution, Problems and Future, *3rd Annual Engineering Conference, School of Engineering, The Federal Polytechnic Bida.*

d. UNPUBLISHED PROJECT & DISSERTATION

BROADBAND RELAY BASED POWERLINE COOPERATIVE COMMUNICATION SYSTEM. *PhD. Thesis*

DESIGN AND IMPLEMENTATION OF MICROPROCESSOR-BASED INVERTER WITH MAXIMUM POWER POINT TRACKING FOR PHOTOVOLTAIC APPLICATIONS.

MEng. Thesis

DESIGN AND CONSTRUCTION OF A MASTER/3 SLAVES INTERCOMMUNICATION SYSTEM. *Post-HND Final year Project.*

DESIGN AND CONSTRUCTION OF A 5-BAND GRAPHIC EQUALIZING SYSTEM.

HND Final year Project

e. MAJOR RESEARCH UNDERTAKEN

Year of update 2019

DEVELOPMENT OF PROMPT INFERNO REPORTING SYSTEM FOR CURBING
FIRE OUTBREAK. TETFund Sponsored Project (2018).

10. COMMUNITY SERVICE

- FINANCIAL SECRETARY, NIGERIAN SOCIETY OF ENGINEERS, ILARO BRANCH
- ORDAINED DEACON, FIRST BAPTIST CHURCH, ILARO, OGUN STATE.

11. EXTRA-CURRICULAR ACTIVITIES

- TABLE TENNIS
- SINGING

12. REFEREES

ARC. O. O. ALUKO PhD,

Rector, The Federal Polytechnic, Ilaro, Ogun State.

08033307056

ENGR. D. W. S. ALAUSA,

Computer Engineering Department, The Federal Polytechnic, Ilaro.

08037133285

THE REV'D. S. J. OLAGUNADE

The first Baptist Church, Ilaro, Ogun State.

07085727292.