CURRICULUM VITAE

01 PERSONAL

(i)	Name in Full:	AKINOLA Olubunmi Adewale
(ii)	Date of Birth:	October 15, 1970
(iii)	Place of Birth:	Ayede-Ekiti
(iv)	Age:	55 years
(v)	Sex:	Male
(vi)	Marital Status:	Married
(vii)	Nationality:	Nigerian
(viii)	Town and State of Origin:	Ayedun-Ekiti, Ekiti State
(ix)	Contact Address:	Dept. of Electrical and Electronics Engineering, Federal University of Agriculture, Abeokuta, Nigeria.
(x)	Phone Number:	+2348034831492
(xi)	E-mail Address:	akinolaoa@funaab.edu.ng
(xii)	Present Post	Professor

02 EDUCATIONAL BACKGROUNDS:

(i) **Educational Institutions Attended with Dates**

(a)	Federal University of Agriculture, Abeokuta	2010-2016
(b)	University of Ilorin, Ilorin, Nigeria	1995-2001
(c)	Ondo State University, Ado-Ekiti, Nigeria	1997-1999
(d)	Ondo State University, Ado-Ekiti, Nigeria (Now Ekiti State University, Ado-Ekiti, Nigeria)	1986-1991

(ii) **Academic and Professional Qualifications with Dates**

(a)	Ph.D (Electronic and Control Systems)	2016
(b)	Masters of Engineering (M.Eng.) Electrical Engineering	2001
(c)	Masters of Business Administration (MBA)	1999
(d)	Bachelor of Engineering (B.Eng.) Electrical Engineering	1991
(e)	Registered Engineer, Council for the Regulation of Engineering in Nigeria (COREN)	2006

(iii) **Prizes, Honours, Scholarship, National and International Recognition**

Nil

03 WORK EXPERIENCE

(a) Teaching and Research within the University System

(i) Professor — 2024 till date
Department of Electrical and Electronics Engineering
Federal University of Agriculture, Abeokuta

(ii) Reader — 2021 till 2024
Department of Electrical and Electronics Engineering
Federal University of Agriculture, Abeokuta

(iii) Senior Lecturer — 2017-2021
Department of Electrical and Electronics Engineering
Federal University of Agriculture, Abeokuta

(iv) Lecturer I 2010-2017
Department of Electrical and Electronics Engineering
Federal University of Agriculture, Abeokuta

(v) Lecturer II 2009-2010
Department of Electrical and Electronics Engineering
Federal University of Agriculture, Abeokuta

(vi) Assistant Lecturer 2003-2009
Department of Electrical and Electronics Engineering
Federal University of Agriculture, Abeokuta

(vii) Assistant Lecturer 1998-2000
Department of Electrical Engineering
Ondo State University, Ado-Ekiti

(viii) Graduate Assistant 1993-1998
Department of Electrical Engineering
Ondo State University, Ado-Ekiti
(Now, Ekiti State University, Ado-Ekiti)

(b) **Courses Taught in the Last Three (3) Sessions**

Contact Time (Hour)

Course	Unit	Session								
		2020/2021			2022/2023			2023/2024		
		Number of Lecturers	Number of Students	Points	Number of Lecturers	Number of Students	Points	Number of Lecturers	Number of Students	Points
Students' Work Experience Programme (SWEP) (ELE 200)	3	8	250	1.5	SABBATICAL LEAVE			8	250	1.5
SWEP Seminar and Report (ELE 297)	1	8	50	0.5				8	50	0.5
Students' Industrial Work Experience I (SIWES I) (ELE 300)	3	8	50	1.5				8	50	1.5
Physical Electronics (ELE 309)	3	2	55	1.5				-	-	-
Engineering Mathematics II (ELE 342)	3	-	-	-				2	250	1.5
Engineering Entrepreneurship	2	1	41	1.0				-	-	-

(ELE 350)								
SIWES I Seminar and Report (ELE 397)	2	8	55	1.0		8	50	1.0
Students' Industrial Work Experience II (SIWES II) (ELE 400)	8	8	45	4.0		8	45	4.0
SIWES II Seminar and Report (ELE 497)	2	8	45	1.0		8	45	1.0
Reliability and Maintainability of Electronic and Electrical Systems (ELE 502)	2	1	55	1.0		1	50	1.0
Seminar I (ELE 597)	1	8	50	0.5		8	50	0.5
Seminar II (ELE 598)	1	8	50	0.5		8	50	0.5
Project (ELE 599)	4	8	50	2.0		8	50	2.0
Total			-	15.5		-	-	15.0
Cumulative for 3 years			30.50					
Average score			15.25					

Student Population (Class Size)

Course	Unit	Session								
		2020/2021			2022/2023			2023/2024		
		Number of Lecturers	Number of Students	Points	Number of Lecturers	Number of Students	Points	Number of Lecturers	Number of Students Points	
Students' Work Experience Programme (SWEP) (ELE 200)	3	8	250	2.5	SABBATICAL LEAVE			8	250	2.5
SWEP Seminar and Report (ELE 297)	1	8	50	0.5				8	50	0.5
Students' Industrial Work Experience I (SIWES I) (ELE 300)	3	8	50	0.5				8	50	0.5
Physical Electronics (ELE 309)	3	2	55	1.0				-	-	-
Engineering Mathematics II (ELE 342)	3	-	-	-				2	250	2.5
Engineering Entrepreneurship (ELE 350)	2	1	41	0.5				-	-	-
SIWES I Seminar and Report (ELE 397)	2	8	55	1.0				8	50	0.5
Students' Industrial Work Experience II (SIWES II) (ELE 400)	8	8	45	0.5				8	45	0.5
SIWES II Seminar and Report	2	8	45	0.5				8	45	0.5

(ELE 497)								
Reliability and Maintainability of Electronic and Electrical Systems (ELE 502)	2	1	55	1.0		1	50	0.5
Seminar I (ELE 597)	1	8	50	0.5		8	50	0.5
Seminar II (ELE 598)	1	8	50	0.5		8	50	0.5
Project (ELE 599)	4	8	50	0.5		8	50	0.5
Total			-	10.5		-	-	9.5
Cumulative for 3 years			20.00					
Average score			10.00					

04 SPECIAL ASSIGNMENTS/COMMUNITY SERVICE

(a) **University Assignments**

(i) Member, University/GIZ Committee on Solar PV Training 2024 till date
(ii) Member, representing COLENG in ICTREC Board 2021 till date
(iii) Member, University Senate 2020-2022
(iv) Member, representing COLENG in DITTECS Assessment and Promotion Panel 2017-2021

(b) **College Assignments**

(i) Member, College Committee on Laptop Acquisition for Student's 2017 till date
(ii) Member, College Committee on Examination and Result (COCER) 2011 till date
(iii) Member, College Technical/Seminar & Annual Lecture Committee 2006 till date
(iv) Member, College Board 2003 till date

(c) **Departmental Assignments**

(i) Acting Head of Department 2020-2022
(ii) Member, Postgraduate Committee 2016 till date
(iii) Course Level Advisor to Undergraduate Students 2003 till date
(iv) Member, Departmental Board of Studies 2003 till date

(d) **Community Service**

(i) Chairman of the Advisory Committee of Research and Publication of the TETFUND Centre of Excellence for Clean Energy and Entrepreneurship Development (TCECEED), The Federal Polytechnic Nasarawa, Nigeria. 2024 till date
(ii) Chairman, Facilities Operations and Infrastructure Committee NobelHouse College, Abeokuta 2024 till date
(iii) Vice-Chairman, PTA Executive Board, NobelHouse College, Abeokuta. 2023 till date
(iv) Chairman, Regulation and Enforcement Team Cannanland Electrical Advisory Committee, Living Faith Church Worldwide, Cannanland, Ota, Nigeria. 2020 till date
(v) Special Adviser, Youth Development Centre, Olusegun Obasanjo Presidential Library (OOPL), Abeokuta 2020 till date
(vi) Technical Adviser, Farmer's Association of Nigeria, Ogun State Branch 2018 till date

(vii) Technical Chairman, Building Committee, Mountain of Fire and Miracles Ministries (MFM), SW Region 49 HQ Idi-Aba, Abeokuta 2016 till date

(viii) Asst. Pastor, Olokuta Zonal Branch, Mountain of Fire and Miracles Ministries (MFM) SW Region 49, Idi-Aba, Abeokuta 2013 till date

05 TRAINING PROGRAMME ATTENDED WITH DATES

(i) TETFUND/ICDL (Computer Operating and Security Systems) Training Programme at Federal University of Agriculture, Abeokuta 2021

06 COMMENDATION

Nil

07 MEMBERSHIP OF PROFESSIONAL BODIES

(i) Member, Nigerian Society of Engineers (MNSE). ***R. 08753*** 1997

(ii) Registered Engineer, Council for the Regulation of Engineering in Nigeria (COREN) ***R. 12,610*** 2006

(iii) Member, Institute of Electrical and Electronics Engineers (IEEE), New York Inc., USA ***R.97754872*** 2021

08 RESEARCH INTEREST OR COMMISSIONED PROJECTS

(i) **Completed:**

(a) Development of HarvestHabor: SMART Storage for Storage of Fresh Fruit Crops
(b) Development of Electronic Controller-Based Storage System for Tomato fruits
(c) Development of Electronic Pest Repellant System for Control of Birds in Rice and Fish Farming.
(d) Development of Microcontroller Based Home Security System
(e) Development of Microcontroller Based Integrated RFID and Fingerprint Application System.
(f) Development of Electronic Based Storage System for Mango fruits
(g) Development of Microcontroller Based Storage System for Watermelon fruits
(h) Performance Evaluation and Analysis of Mango Fruits stored in a Microcontroller Based Automatic Storage System.
(i) Performance Evaluation and Analysis of Watermelon Fruits stored in a Microcontroller Based Automatic Storage System.
(j) Development of Three Phase Microcontroller Based Automatic Change-Over Switch

(ii) **In progress:**

(a) Development of Microcontroller Based Intelligent Traffic Controller System
(b) Automation of Greenhouse Farming Operations and Activities
(c) Development of 2.4m Hybrid C and KU Band Satellite TV Receiving Systems
(d) Development of AI Based Disease Detection and Control of F1 Tomato Crop in a Greenhouse Environment.

09 PUBLICATIONS

(a) **Theses/Dissertations**

(1) **Akinola, O. A**, (2016). Development of an Electronic-Based Automatic Storage Chamber for Tomato Fruits. Unpublished Ph.D. Thesis, Department of Electrical and Electronics Engineering, Federal University of Agriculture, Abeokuta

(2) **Akinola, O. A**, (2001). Design and Construction of a Microprocessor Based Video Titling System. Unpublished Master's Thesis, Department of Electrical Engineering, University of Ilorin, Ilorin.

(3) **Akinola, O. A**, (1999). Inventory Control in a Paper Manufacturing Company. Unpublished MBA Thesis, Department of Business Administration, Ondo State University, Ado-Ekiti.

(4) **Akinola, O. A**, (1991). Design and Construction of a Mixed Signal System for Simulation. Unpublished Bachelor's Project. Department of Electrical Engineering, Ondo State University, Ado-Ekiti.

(a) (i) **Journal Articles in Print:**

(1) Adebisi, O. I., **Akinola, O. A.,** Owieye, S. O., Durodols, F. O., Amoo, A. Y., Fulani, A. D & Olobada, A. B. (2026): Development of an Unmanned Ground Robot for Pipeline Vandalism Detection. ***UNIABUJA Journal of Engineering and Technology.*** 1(1) (special): 69-80, Published by the Faculty of Engineering University of Abuja, Abuja Nigeria. Available online at https://ujet.uniabuja.edu.ng/

(2) Adebisi, O. I, Okuo, M. O, **Akinola, O. A** & Akinwale, A. T. (2026): The effect of Combined Series-Shunt Pasive Filter on Harmonic Distortion and Power Losses in an Electrical Distribution Network. ***FUTA Journal of Engineering and Engineering Technology.*** 20(special): 44-56, Published by the FUTA Journal of Engineering and Engineering Technology. Available online at https://jeet.futa.edu.ng/index.php.

(3) Raji, A. A., Adebisi, O. I., **Akinola, O. A**. & Ogundare, A. B. (2025): A Bimodal Technique for Enhancement of Picture Quality of Medical Images. ***Journal of Engineering and Technology for Industrial Applications (JETIA).*** 11(53): 177-185, Published by the Institute of Technology and Education Galileo of Amazon, Available online at https://doi.org/10.5935/jetia.v11i53.1670 (**Scopus Indexed**)

(4) Nuga, O. O., Olanipekun, A. J., Amusa, K. A., Adebisi, O. I., **Akinola, O. A.,** Matthew, S., Adelokun, J. L., Ojo, P. O., Lawal, A. O., & Owusu, S. B. (2025): Development of a Fast-Charging Hybrid Portable Power Bank. ***APWEN Journal of Engineering, Science and Technology***. 8(1): 75-85, Published by Association of Professional Women Engineers of Nigeria. Available online at https://peddlesoft.com/media/publications/DEVELOPMENT_OF_A_FAST-CHARGING.....

(5) Raji, A. A, Adebisi, O. I, Ogundare, A.B, Oladosu, S. O, **Akinola, O. A**., & Adedokun, J. L. (2025): Modelling and Estimation of Optimal Tilt Angle for Maximum Solar Insolation into the Solar Panel Module. ***Scientia Africana.*** 24(2): 23-34, Published by the Faculty of Science, University of PortHarcourt, Available online at https://dx.doi.org/10.4314/sa.v24i2.3

(6) Okuo, M. O, Adebisi, O. I & **Akinola, O. A**. (2025): Assessment of the effect of Series Passive Filter on Harmonic Distortion-Power Losses Relationship in an Electricity Distribution Network. ***Journal of Engineering and Technology for Industrial Applications (JETIA).*** 11(52): 156-164, Published by the Institute of Technology and Education Galileo of Amazon. Available online at https://doi.org/10.5935/jetia.v11i52 (**Scopus and Web of Science Indexed**)

(7) Afolabi, A. S, **Akinola, O. A**., Odetoye, O. A & Adetiba, E. (2025): Indoor Occupancy Detection Using Machine Learning and Environmental Sensors. ***Journal of Smart Science and Technology (JSST).*** 5(1): 17-39, Published by Penerbit Press, Universiti Teknologi, MARA, Malaysia (UiTM). Available online at https://doi./10.241911/jsst.v5i1.101

(8) Akinuli, A. A., **Akinola, O. A**., Adebisi, O. I., Akinwale A. T., Afolabi, A. S. & Noma-Osaghae, E. (2024): Hybrid Voltage Regulation of the Nigerian 330 kVGrid Using Static Synchronous Compensator and Static Synchronous Series Compensator. ***Engineering Review.*** 44(3): 147-166, Published by Faculty of Engineering and the Faculty of Civil Engineering of the University of Rijeka. Available online at https://engineeringreview.org/index.php/ER/article/view/26133 (**Scopus, SCImago and Web of Science Indexed**)

(9) **Akinola, O. A**., Orimolade, J. F., Afolabi, A. S., Shopeju, H. K., Adetiba, E. A. & Adewale, A. A. (2024): Analysis and Measurement of Tuberculin Skin Test Induration Using Deep Neural Network. ***International Journal of Online and Biomedical Engineering (iJOE)***. 20(12): 137-159, Published by International Association of Online Engineering Science (IAES). Available online at https://doi.org/10.3991/ijoe.v20i12.47773 (**Scopus Indexed**)

(10) **Akinola, O. A.,** Afolabi, A. S., Adebayo, A. T., Ojo, E. K., & Raji, A. A. (2024): Three Phase Microcontroller Based Automatic Change-Over Selection Switch. ***LAUTECH Journal of Engineering and Technology***. 18(2): 161-174, Published by Faculty of Engineering and Technology, Ladoke Akintola University of Technology, Ogbomosho. Available online at https://doi.org/10.36108/laujet/4202.81.0251

(11) **Akinola, O. A.,** Afolabi, A. S., Agbetuyi, A. F., Balogun, I., Adebayo I., & Adedokun, J. L. (2024): Software Development for Design of Solar Energy Photovoltaic System for Rural and Urban Communities in Nigeria. ***LAUTECH Journal of Engineering and Technology***. 18(2): 110-121, Published by Faculty of Engineering and Technology, Ladoke Akintola University of Technology, Ogbomosho. Available online at https://doi.org/10.36108/laujet/4202.81.0201

(12) Afolabi A. S. & **Akinola, O. A.** (2024): Network Intrusion Detection Using Knapsack Optimization, Mutual Information Gain, and Machine Learning. ***Journal of Electrical and Computer Engineering***. (1999-2024) Vol 2024: 1-21, Published by John Wiley & Sons Ltd. Available online at https://doi.org/10.1155/2024/7302909 (**Scopus Indexed**)

(13) Afolabi A. S., Umar M. O. & **Akinola, O. A.** (2024): Improving Data Delivery in Unreliable Networks Using Network Coding and Ant-Colony Optimization. ***International Journal of Interactive Mobile Technologies (iJIM)***. 18(06): 97-111, Published by International Association of Online Engineering, Austria. Available online at https://doi.org/10.3991/ijim.v18i06.42021 (**Scopus Indexed**)

(14) Notcker J., Adetiba, E., Ronoh, K. K., Abayomi, A & **Akinola, O. A.** (2024): A Spectrum Sensing and Allocation Model for Primary User Detection and Interference Mitigation in Television Whitespaces. ***Journal of Computer Science***. 20(3): 333-343, Published by Science Publications. Available online at https://DOI: 10.3844/jcssp.2024.333.343 (**Scopus Indexed**)

(15) Ojo K. E, Akinremi, O. I., Adeleke, A. H., **Akinola, O. A.,** Ajibola C. D & Ogunkeyede, O. Y. (2023): An Optimal Placement of STATCOM Controller on 14-Bus IEEE Standard Test Transmission Network Using Particle Swarm Optimization. ***FUOYE Journal of Engineering and Technology (FUOYEJET)***. 8(1): 45-52, Published by Faculty of Engineering, Federal University Oye- Ekiti, Nigeria. Available online at https://doi.org/10.46792/fuoyejet.v8i1.941

(16) Sodiya, A. S, Oluwumi, E. O, Onashoga, A. A & **Akinola, O. A.** (2021): A Data Augumentation-based System for Future Malware Prediction. ***International Journal of Information Security, Privacy and Digital Forensics***. 5(2); 1-9, Published by the Nigeria Computer Society. Lagos, Nigeria. eISSN: 2636-6134. Available online at https://library.ncs.org/publications/journal-of-information-security-privacy-and-digital-forensics/

(17) **Akinola, O. A**, Sikiru, O. O & Afolabi, A. S. (2021): Development of Mobile and Desktop Applications for a Fingerprint-Based Attendance Management System. ***Indonesian Journal of Electrical Engineering and Computer Science.*** 24(1): 570-580, Published by Institute of Advanced Engineering and Science (IAES). Available online at https://DOI:10.11591/ijeecs.v24.il.pp570-580 **(Scopus Indexed)**

(18) Afolabi, A. S, Ahmed, S & **Akinola, O. A** (2021): A Reinforcement Learning Approach for Interference Management in Heterogeneous Wireless Networks. ***Int. J. Interact. Mob. Technol.*** 15(12): 65-85, Published by Kassel University Press GmbH, Germany. Available online at https://doi.org/10.3991/ijim.v15i12.20751 (**Scopus Indexed**)

(19) **Akinola, O. A,** Afolabi, A. S, Bakare, K. A & Ojo, K. E. (2021): Potential of 1kW Horizontal Axis Wind Turbine for Residential Use in North West Nigeria. ***Premier Journal of Engineering and Applied Science.*** 2(1); 1-8, Published by the Nigerian Society of Engineers, Ibadan. Nigeria. ISSN: 2734-3170. Available online at http://www.nseibadan.org.ng/journal

(20) **Akinola, O. A,** Afolabi, A. S, Olawale, O. M & Ojo, K. E. (2021): Design and Simulation of a 240V/12V Single Phase Automatic Change-Over System Using Triac Thyristor. ***Premier Journal of Engineering and Applied Science.*** 2(1); 19-32, Published by the Nigerian Society of Engineers, Ibadan. Nigeria. ISSN: 2734-3170. Available online at http://www.nseibadan.org.ng/journal

(21) Odetoye, O. A, Afolabi, A. S. & **Akinola, O. A**. (2020): Development and Scaled-Up Simulation of an Automated Electrical Energy Manegement System for Passageway Illumination. ***International Journal of Emerging Electric Power Systems***. 21(6): 1-13, Published by Walter De Gruyter, Germany. Available online at https://doi.org/10.1515/ijeeps-2020-0124 (**Scopus, SCImago Indexed**)

(22) **Akinola, O. A.** & Taiwo, A. M. (2020): Simulation of a Sensible Heat Thermal Energy Storage System Using Matlab's Block Oriented Approach. ***LAUTECH Journal of Engineering and Technology***. 14(2): 119-128, Published by Faculty of Engineering and Technology, Ladoke Akintola University of Technology, Ogbomosho, ISSN 1597-0000. Available online at https//www.laujet.com/index.php/laujet/issue/view/21

(23) Okokpujie, K., Abayomi-Alli, A., Abayomi-Alli, O., Odusami, M., Okokpujie, P. & **Akinola, O. A.** (2020): Automated Energy Bill Metering System Based on GSM Technology. ***Journal of Natural Sciences, Engineering and Technology (JNSET)***. 19(1&2): 25-39, Published by Federal University of Agriculture, Abeokuta, Nigeria. Available online at journal.funaab.edu.ng/index.php/JNSET/issue/view/127

(24) **Akinola, O. A.,** Aborisade, D. O., Abatan, K. S., & Kusade G. A. (2016): Development of an Electronic Controlled Storage Chamber for Nigeria Mango Fruits. ***Nigerian Journal of Physics***. 27(2); 57-66, Published by Nigerian Institute of Physics, Nigeria. ISSN 1595-0611

(25) **Akinola, O. A.** & Allison, M. A. (2015): Comparative Analysis of Quality of Service of Global System for Mobile Telecommunication Networks in Nigeria: Case of Ikorodu and Badagry. ***LAUTECH Journal of Engineering and Technology***. 9(2); 91-101, Published by Faculty of Engineering and Technology, Ladoke Akintola University of Technology, Ogbomosho, Retrieved from https://www.laujet.com/index.php/laujet/article/view/374 ISSN 1597-0000

(26) **Akinola, O. A.,** Aborisade, D. O., Ayedun, O. B. & Akande, T. M. (2015): Development of Microcontroller-Based Storage Chamber for Watermelon Fruits (CitrullusLanatus) Grown in Nigeria. ***LAUTECH Journal of Engineering and Technology***. 9(2); 44-49, Published by Faculty of Engineering and Technology, Ladoke Akintola University of Technology, Ogbomosho, ISSN 1597-0000

(27) **Akinola, O. A.,** Abayomi-Alli, A. & Adeniyi, R. A. (2015): Development of a Microcontroller Based Fingerprint Examination Access Control System. ***Afri.J. of Comp & ICTs***. 8:2(2); 145-152, Published by the Institute of Electrical & Electronics Engineers (IEEE) Computer Chapter Nigeria Section. Available online at afrjcit.net/wp-contect/uploads/2017/08/vol-8-no-2-august-2015-merged.pdf

(28) **Akinola, O. A**., Abayomi-Alli, A., Ezeofor, C. E. & Iloanusi, C. V. (2015): Development of a Microcontroller Based Automatic Storage Chamber for Orange Fruit (Citrus Sinensis). ***Afri.J. of Comp & ICTs***. 8:2(2); 45-52, Published by the Institute of Electrical & Electronics Engineers (IEEE) Computer Chapter Nigeria Section. Available online at afrjcit.net/wp-contect/uploads/2017/08/vol-8-no-2-august-2015-merged.pdf

(29) **Akinola, O. A.** & Bakare, K. A. (2015): Potential of 1kW Horizontal Axis Wind Turbine for Residential Use in Abeokuta. ***Nigerian Journal of Physics***. 26(2); 102-107, Published by Nigerian Institute of Physics, Nigeria. ISSN 1595-0611

(30) **Akinola, O. A.,** Adebisi, A. A. & Ogunkola, O. E. (2015): Development of a Microcontroller Based Home Security System. ***Nigerian Journal of Physics,*** 26(2); 91-101, Published by Nigerian Institute of Physics, Nigeria. ISSN 1595-0611

(31) **Akinola, O. A.** & Oseloka, A. D. (2015): Development of an Electronic Pest Repellent System for Control of Birds in Rice and Fish Farming. ***Science Focus: An International Journal of Biological and Physical Science.*** 20(2); 88-97, Published by Faculty of Pure and Applied Sciences, LAUTECH, Ogbomosho, Nigeria. ISSN 1596-7026

(32) **Akinola, O. A.,** Allison, M. A. & Abayomi-Alli, A. (2015): Quality of Service of Global System for Mobile Telecommunication Networks in Lagos Mainland Nigeria. ***Science Focus: An International Journal of Biological and Physical Sciences.*** 20(2); 71-77, Published by Faculty of Pure and Applied Sciences, LAUTECH, Ogbomosho, Nigeria. ISSN 1596-7026.

(b) (ii) **Journal Articles Accepted for Publication:**

Nil

* = additional paper since last promotion; ***f*** = foreign paper

(iii) **Book:** Nil

(iv) **Book Article or Chapter:**

(33) Afolabi, S. A. and **Akinola, O. A**. (2025): Virtual Intelligent Autonomous Agents: Robot Navigation for Disaster Intervention. In ***Citizen-Centric Artificial Intelligence for Smart Cities.*** 339-389. Sharma, A., Mansotra, V & Singh, P. (ed.) Published by IGI Global Scientific Publishing, USA Available online at DOI:10.4018/979-8-3693-7832-8.ch014 (**Scopus and Web of Science Indexed**)

(v) **Edited Conference Proceeding:**

(34) Afolabi, S. A. and **Akinola, O. A**. (2024): Vulnerable AI: A Survey, **Proceedings 2024 IEEE International Symposium on Technology and Society (ISTAS),** 18th-20th September, 2024 Universidad de las Américas Puebla (UDLAP), Puebla, Mexico. DOI:10.1109/ISTAS61960.2024.10732647**.** Published by IEEE Explore.

(35) Awelewa, A., Olajube, A., Ojo, K., Samuel, I., Davies, H and **Akinola, O.** (2023): ANN Based Load Forecasting Model for Short Term Planning: A Case Study of Ota Community in Nigeria. ***2023 International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies (3ICT)*** Sakheer, Bahrain, 2023, 94-100, doi:10.1109 /3ICT60104.2023.10391739. Published by IEEE

(36) Adetiba, E., Oluleye, O. O., Ifijeh., A. H.,Oguntosin, V., Olaniyan, O. M., **Akinola, O. A.,** Afolabi, G., Odetola, J. O and Abdultaofeek Abayomi (2023): A Neural Network-based System Identification Model to Predict Output Current and Voltage of Solar Photovoltaic Panels ***Proceedings of the LMU IEEE 1st Landmark University IEEE International Conference on Sustainable Developments Goal SDGs), April 5-7***

(37) **Akinola, O. A**., and Oladunni, Y. B. (2023): Preliminary Test of an Electronic Controlled Atmospheric Storage Chamber for Mango Fruits **Proceedings National Engineering Conference and Annual General Meeting Abuja 2023 of the Nigerian Society of Engineers**, **(NSE).** Published by NSE.

(38) Okelola, M. O, Ojo, K. E, Oluwole, A, A and **Akinola, O. A** (2021): Optimal Control of Three Phase Supply Induction Motor Speed and Torque Using Fuzzy-PID Controller. ***Proceedings of the 8th International Conference on Emerging Trends in Engineering & Technology' 21***, 12th & 13th March.Published by Pandian Saraswathi Yadav Engineering College, India.

(39) **Akinola, O. A**., Afolabi, A. S, Matthew, S, Akinyemi, M. A and Udoh, U. P (2021): Design, Simulation and Modeling of a 10 kVA Automatic Voltage Regulator **Proceedings of the College of Engineering 3rd International Conference on Engineering Innovations as a Catalyst for Rapid Economic growth, May** 24-26, O.S. Ismaila and O. U. Dairo (Eds.) 576-585. Published by College of Engineering, Federal University of Agriculture, Abeokuta, Nigeria.

(40) **Akinola, O. A**., Fasola, S. O. and Oghenederhie, D. O. (2017): Development of a Microcontroller Based Storage Chamber for Carrot Fruits (Daucus Carota) **Proceedings National Engineering Conference and Annual General Meeting Abuja 2017 of the Nigerian Society of Engineers**, **(NSE).** Published by NSE.

(41) **Akinola, O. A**., Awoborode, T. A. and Akinnawonu, S. M. (2016): Design and Construction of Microcontroller Based Automatic Storage Chamber for Pineapple Fruits (Ananas Comosus) **Proceedings 2016 International Conference of the College of Engineering.** T. M. A. Olayanju and O. U. Dairo (Eds.) 10-18. Published by College of Engineering, Federal University of Agriculture, Abeokuta, Nigeria.

(42) Adejumobi, I. A., Esan, A. A. and **Akinola, O. A.** (2006): Promoting Cottage Industries in Nigeria through the Development of Small Hydro Power Scheme. ***Proceedings 1st National Conference of the Faculty of Science, University of Abuja.,*** S. K. Okwute and S. E. Kakulu (Eds.) 53-56. Published by Faculty of Science, University of Abuja. Abuja. Nigeria.

(43) Adejumobi, I. A. and **Akinola, O. A.** (2006): Simulation of 1-5MW Electricity Generation Using Organic Wastes. ***Proceedings 1st International Conference on Engineering Research & Development: Impact on Industry (ICER & D 2006),*** O. A. Ibhadode and P. A. Kuale (Eds.) 138-140. Published by Faculty of Engineering, University of Benin, Benin-City. Nigeria.

(44) **Akinola, O. A.** and Bolaji, B. O. (2006): Sustainable Energy Technologies for Poverty Alleviation and Environmental Protection **Proceedings 1st National Conference of the Faculty of Science, University of Abuja,** S. K. Okwute and S. E. Kakulu (Eds.) 57-63. Published by Faculty of Science, University of Abuja, Abuja, Nigeria.

(45) **Akinola, O. A.** (2006): Development of a Programmable Scare Crow System. **Proceedings 1st International Conference on Engineering Research & Development: Impact on Industry (ICER&D 2006),** O. A. Ibhadode and P. A. Kuale (Eds.) 605-608. Published by Faculty of Engineering, University of Benin, Benin-City. Nigeria.

(vi) **Technical Reports:** Nil

(vii) **Patents:**

Akinola, O. A and Fakolujo, A. O (2025): **Microcontroller-Based Atmospheric Controlled Storage Chamber for Extending the Shelf Life of Fruit Crops and the Process of Manufacture thereof.** NG/PT/NC/O/2025/17386. Nigeria Patent and Design Registry.

(viii) **Trademarks:**

Akinola, O. A (2025): Product Title, **HarvestHarbor: Apparatus for Refrigerating and Storage of Agricultural Fresh Fruits and Vegetables.** Nigeria Trade mark registrations NG/TM/O/2025/381118 and NG/TM/O/2025/381121. Accepted for advertisement in Trademarks Journal. (Trademark Acceptance Letter dated July 17, 2025).

10 MAJOR CONFERENCES ATTENDED WITH PAPERS READ

(a) 75th Conference Canadian Society for Chemical Engineering (CSChE)
Montreal, Canada — October, 2025

(b) IEEE International Symposium on Technology and Society (ISTAS), — September, 2024
Puebla, Mexico.

(c) National Engineering Conference and Annual General Meeting,
Nigerian Society of Engineers, Abuja, Nigeria. — November, 2023

(d) 3rd International Conference of the College of Engineering, Federal
University of Agriculture, Abeokuta. Nigeria. — May, 2021

(e) National Engineering Conference and Annual General Meeting, Nigerian Society of Engineers, Abuja, Nigeria. November, 2017

(f) 1st International Conference of the College of Engineering, Federal University of Agriculture, Abeokuta. Nigeria. March, 2016

(g) 3rd International Conference and Exhibition on Food Processing & Technology of the OMICS Group of Conferences, Las Vegas, USA. July, 2014

(h) 1st International Conference on Engineering Research & Development of the Faculty of Engineering, University of Benin, Benin-City, Nigeria. September, 2006

(i) 1st International Conference of the Faculty of Science, University of Abuja, Abuja. Nigeria. July, 2006

11 INFORMATION ON FELLOWSHIP, MASTER'S DISSERTATION AND PH.D THESIS SUPERVISED:

STUDENTS SUPERVISION

a. *Undergraduate Project* **137** (Completed)
b. *Postgraduate* **14** (Completed)

S/N	Title of Thesis	Name of Student	Date/Year of Commencement	Completed/ On-going	Sole/ Collaborative Supervision
1	Development of Predictive Control Scheme for Energy and Cost Optimization in Manufacturing Plant	AINA Adeola Oluwatosin	2022/2023	PhD Thesis (On-going	**Major**
2	Analysis of the Effect of Harmonics on Power Losses in an Electrical Distribution Network	OKUO Micheal Ozaweshe	2021/2022	M.Eng Dissertation **(Completed)**	Collaborative
3	Fault Analysis in Power System Network Using Symmetrical Component and Newton-Raphson Methods	APATA Abiodun Adesina	2021/2022	M.Eng Dissertation (On-going)	Collaborative
4	Automation and performance Evaluation of Greenhouse Farm Operations Using Artificial Intelligence	OYELADE Oladayo Oluwaseun	2021/2022	M.Eng Dissertation (On-going)	Collaborative
5	Development and Performance Analysis of a Microcontroller-Based Intelligent Traffic Controller System	ODIKAYOR Dickinson	2019/2020	PhD Thesis (On-going)	**Major**
6	Development of Internal Model Control Based Proportional Integral Derivative Controller for Three	OGUNTOYE Adelani	2019/2020	M.Eng. Dissertation. **(Completed)**	**Major**

	Phase Induction Motor Speed Control				
7	Power Loss Minimization and Voltage Profile Improvement of an Electrical Power Distribution Network Using Optimal Placed Photovoltaic Energy Source	FOLARANMI Kazeem Saula	2019/2020	M.Eng. Dissertation. **(Completed)**	**Major**
8	Comparative Evaluation of Selected Flexible Alternating Current Transmission Systems Controllers for Performance Enhancement of the Nigeria Electricity Grid	ADEKUNLE Saheed Hassan	2019/2020	M.Eng. Dissertation. **(Completed)**	**Major**
9	Power System Voltage Stabilization Using a Combination of Static Synchronous and Static Synchronous Series Compensators on the Nigerian 330 kV Power Grid	AKINULI Abimbola Anthony	2019/2020	M.Eng. Dissertation. **(Completed)**	**Major**
10	Speed Regulation of a Brushless Direct Current Motor Using Fuzzy Logic Tuned Proportional Integral Derivative Controller	FULANI David Ayo	2019/2020	M.Eng. Dissertation. **(Completed)**	**Major**
11	Analysis of Adaptively-Fed Maximal Ratio Combiner for Fading Mitigation Over Nakagami Channel	JOHNSON Tokunbo	2018/2019	M.Eng. Dissertation. **(Completed)**	**Major**
12	Development of an Electronic-Based Water Management System for Fish Pond	ADELOKUN Adebowale Paul	2018/2019	M.Eng. Dissertation. **(Completed)**	**Major**
13	Optimal design of Fuzzy-PID Controller for Fruits Storage System's Temperature	AJAYI Ayokunnumi Olusola	2018/2019	M.Eng. Dissertation. **(Completed)**	**Major**
14	Machine Learning Approach for Detection and Classification of Scoliosis in Human Bones From X-Ray Images	ADEYANJU Taoheed Adebayo	2017/2018	M.Eng. Dissertation. **(Completed)**	**Major**

15	Analysis of Harmonic Distortion in Renewable Photovoltaic Energy Source Using Active Filter-Based Least Mean Square Algorithm	GIZO Peter	2017/2018	M.Eng. Dissertation. **(Completed)**	**Major**
16	Facial Image Quality Assessment Using Colorferet Dataset and Deep Convolutional Neural Network Ensembled Models	OLABODE Atinuke Omolara	2017/2018	M.Sc. Dissertation. **(Completed)**	Collaborative
17	An Intelligent Generic Detection System for Malware	OLUWUMI Enoch Okikijesu	2016/2017	M.Eng. Dissertation. **(Completed)**	Collaborative
18	Analysis of Power Generation Spectrum in Nigeria: 2004-2020	OKOYE Cletus Uche	2009/2010	Ph.D Thesis **(Completed)**	**Major**

12 EXTRA CURRICULA ACTIVITIES

(i) Electronic Engineering Design, Consultancy, Agribusiness and Technopreneur
(ii) Reading, Listening to Music and Traveling.

13 REFEREES

(i) **Prof. M. A. Waheed**
Department of Mechanical Engineering
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Abeokuta, Nigeria.

(ii) **Prof. A. T. Akinwale**
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