

CURRICULUM VITAE

1. Biodata

- a. Name: **Engr. Olayiwola, Joy Oluwabukola**
- b. Present Position: Lecturer I
- c. Date of Last Promotion: 1st January, 2025
- d. Date and Place of Birth: 19th January 1982, Eruku, Kwara State
- e. Gender: Female
- f. State of Origin: Oyo State
- g. Nationality: Nigeria
- h. Marital Status: Married
- i. Religion: Christianity
- j. Contact address: Alh Gafar Street, Akowonjo, Ikosi, Ilaro, Ogun State
- k. Email address: oluwabukola.olayiwola@federalpolyilaro.edu.ng
- l. Telephone Number: 08063253042

2. Institutions attended with Dates:

- a. Ladoke Akintola University of Technology, Ogbomoso, Oyo St. 2024 – till date
- b. Covenant University Ota, Ogun State Feb 2021 - Mar 2023
- c. University of Ibadan, Ibadan, Oyo State Mar 2016 – Apr 2019
- d. Ladoke Akintola University of Technology, Ogbomoso, Oyo St. May 2001 – Oct 2006
- e. Aflon Computer Center, Abuja Aug 1999 – Nov 1999
- f. Anglican Girls' College Iludun-Oro, Kwara State Sept 1993 – Jun 1999
- g. Ansar-Ur-Deen Basic School, Onigambari, Oyo State Jan 1987 – Jun 1993

2. Academic Qualifications with Dates:

- a. Ph.D Computer Engineering In view
- b. M.Eng Computer Engineering 2023
- c. Cisco Networking Academy 2021
- d. Master of Information Science (M.Info.Sc.) 2019
- e. B.Tech Computer Science & Engineering 2006
- f. West Africa Senior Secondary School Certificate 2001
- g. West Africa Senior Secondary School Certificate 1999
- h. Primary School Leaving Certificate 1993

3. Professional Qualifications:

- a. Foundational concepts in Machine Learning and Artificial Intelligence: An Open-source

- Linux Framework for Applied Interdisciplinary Engineering Technology/ Research with LaTeX Documentation 2025
- b. Introduction to Cybersecurity 2021
- c. IT Essentials course 2021
- d. Enterprise Networking, Security and Automation 2020
- e. Switching, Routing and Wireless Essentials 2020
- f. Introduction to Networks 2020
- g. Microsoft Certified Technology Specialist (MTCS) 2009
- h. Microsoft Certified Professional (MCP) 2009
- i. Cisco Certified Network Administrator (CCNA) 2009

4. Membership of learned Societies and Professional Bodies:

- i. Council for the Regulation of Engineering in Nigeria (COREN) [R84116]
- ii. Nigerian Institute of Training & Development [A/5092]
- iii. Member, Nigerian Society of Engineers [65572]
- iv. Women in Technical Education and Development [WITED], Ilaro Chapter

5. Working Experience:

a. Academic Experience

Teaching experience

Lecturer I, The Federal Polytechnic, Ilaro Jan 2025 - till date

Lecturer II, The Federal Polytechnic, Ilaro Jan 2022 - Dec 2024

Lecturer III, The Federal Polytechnic, Ilaro April 2019 - Dec

2021 Assistance Lecturer, The Federal Polytechnic, Ilaro Jan 2019 - April

2019

b. Courses taught

- Software Engineering
- Computer Technology
- Data Structure
- Python Programming Language
- Research Methodology
- Computer Installation and Maintenance
- General Engineering Mathematics
- Computer System Maintenance
- Computer Programming (Assembly Language)

c. Research Interest

Machine Learning, Networking, Security, Social Media, Artificial Intelligence

d. Academic leadership positions

- Course Adviser ND I Part Time
- Examination Invigilator

e. Administrative experience

- Deanship of School / College / Faculty
- Headship of Department / unit
- Membership of Committees:
 - Publication/ Programme Sub-Committee, 4th International Conference of Federal Polytechnic, Ilaro
 - Member, Committee of Arc. Segun Aluko Annual Student Competition
 - Member, Planning Committee, Public lecture, induction & award presentation, The Nigerian Society of Engineers (NSE), Ilaro Branch
 - Publication/ Programme Sub-Committee, 3rd International Conference of Federal Polytechnic, Ilaro
 - Member, Committee on Quiz & Debate Competition, WITED
 - Secretary, Technical Committee, 5th Engineering Conference
 - Uploading of Staff Publications in the School of Engineering on FPI e- Repository
 - Secretary, Programme & Publicity Committee, 4th Engineering Conference
 - WITED, Empowerment Programme
 - Member, WITED Training and Development
 - Publication Sub-Committee, 2nd International Conference of Federal Polytechnic, Ilaro
 - School of Engineering Committee on Seminar, ICT Compliance and Academic Publications
 - Manuscript Editor of IJOWITED

6. Academic Publications:

- Journal Publications (Listed from the very recent and in APA style)
 - Atoyebi, T. O., **Olayiwola, J. O.**, Eru, A. N., Kolapo, R., & Kirubakaran, P. (2025). Gamification: An Educational Strategy to Increase Students' Motivation and Academic Performance. *Fudma Journal of Sciences*, 9(12), 36-41. <https://doi.org/10.33003/fjs-2025-0912-4164>
 - Aliu, O.H. and Olayiwola, J.O. (2025). Detection and Avoidance of Early Flood using Internet of Things (IoT). *International Journal of Women in Technical Education and Employment (IJOWITED)*. 6 (1); 31-37. ISSN:2811-1567, <http://fpiwitedjournal.federalpoylilaro.edu.ng>
 - **Olayiwola, J. O.**, Badejo, J. A., Okokpujie, K., & Morayo E. Awomoyi, M. E. (2023). Lung-Related Diseases Classification Using Deep Convolutional Neural Network. *Mathematical Modelling of Engineering Problems*, 10 (4), 1097-1104. <https://doi.org/10.18280/mmep.100401>.
 - Omotayo, F. O. & **Olayiwola, J. O.** (2023). Privacy and Security

Information Awareness and Disclosure of Private Information by Users of Online Social Media in the Ibadan Metropolis, Nigeria. The African Journal of Information Systems, 15(1), 3, 38-62. ISSN: 1936-0282. <https://digitalcommons.kennesaw.edu/ajis/vol15/iss1/3>

- **Olayiwola, J. O.** & Aliu, O. H. (2022). Cellphone Network Jammer Circuit Using NE555 Timer. International Journal of Women in Technical Education and Employment, 3(1), 164-171
 - **Olayiwola, J.O.** & Dahiru, D. (2022). Design and Construction of a Microcontroller Based Automatic Plant Watering Device for a Sustainable Environment. Iconic Research and Engineering Journals, 5(7): 353-356.
 - Olajide, A.A. & **Olayiwola, J.O.** (2021). Development of a Proposed Model for Online Social Media Users' Information Disclosure, International Journal for Information Security Research (IJISR), 11(1): 1002-1016.
 - Awolola O.O. & **Olayiwola, J.O.** (2021). Development of Technical Skills in Meeting the Challenges of Modern Automobiles in Nigeria. International Journal of Women in Technical Education and Employment (IJOWITED), 2(2): 39-46.
 - Bitrus, I., **Olayiwola, J.O.**, Adamu, D., Babarinde, F. (2020). Thermal Energy Conversion Model: A Case Study of Gas Turbine Power Plant Olorunsogo Phase I, Ogun State, Nigeria, International Journal of Advances in Engineering and Management (IJAEM), 2 (4): 620-624.
- b. Book chapters /Book Publications (listed from the very recent and in APA style)
Suleiman, A.D., Abdulhamid, I.G., Adamu, D., Fadare, S.A., Iduak, Obong & **Olayiwola J.O** (2024). "Basis of Electrical Workshop Practice". Femlight Publisher
- c. Conference Papers (listed from the very recent and in APA style):
- Aliu, O. H. & **Olayiwola, J. O.** (2026). Predicting Extreme Events Caused by Climate Change in Nigeria Using Machine Learning and Reanalysis of Climate Data. 15th International Zeugma Congress on Scientific Research, Gaziantep, Turkiye held on January 19 – 21, 2026.
 - **Olayiwola, J.O.** & Aliu, O. H. (2025). Prediction of fungal risk due to leaf wetness using machine learning algorithms. International Congress on Rangeland & Forage Crops-III, Aydin Adnan Menderes University, Didim, Turkiye. 12th-14th, September, 2025.
 - **Olayiwola, J.O.** & Dahiru, D. (2025). Machine Learning Classification Models for Early Plant Stress Detection. 5th International Conference, The Federal Polytechnic, Ilaro, Nigeria, in collaboration with L'École Polytechnique D'Abomey-Calavi, Cotonou, République du Bénin, 27th April – 1st May 2025.
 - Aliu, O. H. & **Olayiwola, J. O.** (2025). Evaluating the Effectiveness of Digital Teaching Methods on Student Academic Performance in Tertiary Institutions. International Scholarship of Teaching and Learning Congress, Istanbul, Turkiye. 18th - 20th April, 2025.
 - Aliu, O. H. & **Olayiwola, J.O.** (2025). Artificial Intelligence's Role In International Security and Crisis Management. 6th International Conference on Globalization and

International Relations, New York, USA. 3rd March, 2025.

- Aliu, O. H. & **Olayiwola, J.O.** (2025). AI-Driven Biochemical Carbon Sequenstration Strategies Using Deep Learning And Remote Sensing. EJONS 18th International Congress: Artificial Intelligence Trends: Theory to Practice, New Delhi. 10th -11th February, 2025.
- **Olayiwola, J. O.** & Aliu, O. H. (2023).Waste Management with the Application of Deep Learning. 6th School of Engineering National Conference 2023 on Enhancing Indigenous Engineering and Technological Innovations for National Development, 7- 9 August, 2023.
- **Olayiwola, J.O.**, & Adejoju, J.A. (2023). Maize (Corn) Leaf Disease Detection System Using Convolutional Neural Network (CNN). In: , et al. Computational Science and Its Applications – ICCSA 2023. ICCSA 2023. Lecture Notes in Computer Science, 13956. Springer, Cham. https://doi.org/10.1007/978-3-031-36805-9_21
- Salami, I. F., Kalimumbalo, D. M., Omotoye, A. K., Ewejobi, P. A., **Olayiwola, J. O.**, Nwokolo, I. O., Alao, A. B. & Samuel , I. (2022). "Design And Installation Of Wired Closed-Circuit Television (CCTV)," 2022 International Conference on Emerging Trends in Engineering and Medical Sciences (ICETEMS), Nagpur, India, 2022, 216-219, doi: 10.1109/ICETEMS56252.2022.10093280.
- **Olayiwola, J. O.**, Badejo, J. A., Omotoye, K. A., & Olasina, J. R. (2022). Classification of Chest x-Ray Images of Lung Diseases using Deep Convolutional Neural Network, A paper presented at 6th International ICONTECH Conference on Innovative Surveys in Positive Sciences, Rijeka, Croatia, held on December 4-5, 66.
- Adebesein, A. A. & **Olayiwola, J. O.** (2022). Observational and correlational studies on the effects of industrial cement dust on tertiary institution students' health status and academic output, A paper presented at Al-Farabi 11th International Conference on Social Sciences, Ataturk University, Erzurum, Türkiye held on August 19-20, 2022.
- Adetona, Z. A. & **Olayiwola, J. O.** (2022). Meeting the Challenge of Engineering Asset Maintenance in Nigeria through Asset Maintenance Engineering Education. A paper presented at 3rd International Conference, The Federal Polytechnic, Ilaro, 16th - 17th August, 2022.
- Aliu, O. H. & **Olayiwola, J. O.** (2022). Digital Marketing and its impact on society. A paper presented at 2nd National Conference, School of Communication & Information Technology, Federal Polytechnic, Ilaro, Ogun State between 19th – 20th July, 2022.
- Adebesein, A. A. & **Olayiwola, J. O.** (2021). Sustainable Environment and Air Pollution in a Cement Manufacturing Environment. A paper presented at the 5th National Conference, School of Engineering, Federal Polytechnic, Ilaro, Ogun State between 8th – 11th November 2021.
- **Olayiwola, J. O.** & Jegede, O. W. (2020). The Role of Social Media in

Advertising Product among Artisans in Ibadan Metropolis. A paper presented at 2nd International Conference (Virtual), The Federal Polytechnic, Ilaro, Ogun State between 10th – 11th November 2020.

- Eze, B. E., & **Olayiwola, J. O.** (2020). Efficiency of Smartphone Battery In Utilizing Today's Technology for Sustainability Development: A Review of Smartphone Battery and Energy Usage. A Paper presented at Nigerian Society of Engineers (NSE) Ilaro Branch 1st National Conference and Annual General Meeting (AGM), (Virtual) between 2nd – 3rd November 2020.
- **Olayiwola, J. O.** & Olasina, J. R. (2019). Advancing Engineering Innovations and Applications through Tools of Information and Communication Technology (ICT). A paper presented at the 4th National Conference, School of Engineering, Federal Polytechnic, Ilaro, Ogun State between 25th – 28th November 2019.
- **Olayiwola, J.O.** & Onwuasoanya, N.C. (2019). Low Level of Participation of Women in Engineering and Technology: Causes and Solutions. A paper presented at the 1st National Conference of WITED, Ilaro Chapter, Ogun State between 13th – 16th August 2019, 463 - 467.

d. Unpublished Project and Dissertation (if applicable)

- Information privacy and security awareness among users of social media in Ibadan metropolis Oyo State
- Design and construction of personal computer message display system

e. Major research undertaken (if applicable): Nil

8. **Workshops/ Training/ Seminars Attended:**

- a. Hands-On Training Session: Designed to equip educators with the Basic computer Literacy Skills to effectively use Moodle LMS for teaching and learning organized by The Center for Open Distance and Flexible e-Learning (CODFeL), in collaboration with The Center for Human Resource Development (CHRD). Awarded on 25th August 2025
- b. Four Day Training Workshop on Understanding and Implementing the UNESCO Guidance for Generative AI in Education and Research. Organized by National Open University of Nigeria (NOUN), in conjunction with UNESCO. October, 9th, 16th, 23rd & 30th, 2024.
- c. 5-Day International Workshop on An Introduction to Genomic Data Science: Identifying Biomarkers and Drug Targets from Pathogen and Host Networks Held at Bioinformatics Training and Research Laboratory, The Federal Polytechnic, Ilaro, Ogun State, Nigeria on May 15-19, 2023.
- d. Three (3)-Day Training Programme for Lecturers, Technologists and Instructors on Effective Questions Setting with Emphasis on Computer-Based Examinations organised by the Management, The Federal Polytechnic Ilaro at Raheem Oloyo International Conference Center, FPI, between 13th - 15th December, 2022.
- e. A 3 - Day Train-The-Trainers Autodesk Workshop and Training Organised by the

Generative CAD Services at PTFD Center, The Federal Polytechnic Ilaro (FPI), between 27th - 29th September, 2022.

- f. Facilitating Online Courses (FOC), Facilitated by Center for Open Distance and Flexible e- learning (CODFel), organised by YABA College of Technology, Lagos, Nigeria in Collaboration with Commonwealth of Learning, Canada, May 2022.
- g. Writing without Plagiarism & Proper Reference Citations using Mendeley at Covenant University - School of Postgraduate Studies, Presented by Khalid Shalan, Core Research Solutions Consultant on Tuesday 16 March 2021.
- h. National Workshop on Science Diplomacy Organized by National Centre for Technology Management on the 9th and 10th March, 2021 (Virtual) at NACETEM Headquarters.
- i. A Day Staff Development Seminar, 2021 organised by the School of Engineering for the Departmental Exam Officers, Class Advisers and Counsellors at ICT center, Federal Polytechnic Ilaro, 1st February 2021.
- j. Advanced Digital Appreciation Programme for Tertiary Institutions (ADAPTI): Statistical Package for Social Science training at The Federal Polytechnic, Ilaro, Ogun State from November 30 - December 4, 2020.
- k. Training of Reviewers - JOWITED, organised by Women in Technical Education and Empowerment (WITED), Ilaro Chapter, 17th September, 2020.
- l. Training on Teaching Methodology for some categories of Academic Staff, organised by the Management, The Federal Polytechnic Ilaro, 12th February, 2020
- m. Training on Website Management and Maintenance Sponsored by Tertiary Education Trust Fund (TETFUND), conducted by Amtec Global Consulting Nig. Ltd. At The Federal Polytechnic Ilaro between 6th - 10th January 2020
- n. A skill acquisition training programme in soap making organised by the Entrepreneurship Development Centre of the Federal Polytechnic Ilaro for WITED, Ilaro members
- o. A 1-day In-House training for the newly recruited staff organised by the Management, The Federal Polytechnic Ilaro (FPI), at International Conference Center (ICC), FPI, on 27th March, 2019

9. Community Service:

- Free computer training for some secondary school students

10. **Extra- Curricular activities:** Reading, Computing

11. Referees

Engr. O. O. Awolola Ph.D
Head of Department
Department of Mechatronics
Federal Polytechnic Ilaro

Dr. (Mrs) Jumoke SOYEMI

Director,
Centre of Information and Communication Technology
Federal Polytechnic Ilaro