

CURRICULUM VITAE

NAME: ENGR. OLAYINKA OLUWASEUN OLAIYA
DATE OF BIRTH: 26TH MAY, 1979
SEX: MALE
STATE OF ORIGIN: OGUN
LOCAL GOVT. AREA: ABEOKUTA SOUTH
NATIONALITY: NIGERIAN
MARITAL STATUS: MARRIED
NO. OF CHILDREN: NONE
RELIGION: CHRISTIANITY
POSTAL ADDRESS: COMPUTER ENGINEERING DEPARTMENT,
THE FEDERAL POLYTECHNIC, P.M.B. 50, ILARO,
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PRESENT POSITION: *LECTURER 2*
DATE OF LAST PROMOTION: *JANUARY 2021.*

INSTITUTIONS ATTENDED WITH DATES:

1. LAGOS STATE UNIVERSITY, LAGOS 2021-TO-DATE
2. LAGOS STATE UNIVERSITY, LAGOS 2004-2010
3. LAGOS STATE UNIVERSITY, LAGOS 2002-2004
4. LISABI GRAMMAR SCHOOL LDI ABA ABEOKUTA 1992-1996

ACADEMIC QUALIFICATIONS WITH DATES:

1. M.Sc. ELECTRONICS AND COMPUTER ENGINEERING- (IN VIEW)
2. B.Sc. ELECTRONICS AND COMPUTER ENGINEERING - 2010
3. DIPLOMA IN ELECTRONICS AND COMPUTER ENGINEERING – 2004
4. WEST AFRICAN EXAMINATION CERTIFICATE (WAEC) - 1996

ON-LINE BASED ACADEMIC QUALIFICATION WITH DATES (COURSERA)

1. HTML and CSS Building a Single-Page Website (9th April, 2020)
2. Researcher Management and Leadership Training (9th April, 2020)
3. Cybersecurity and the Internet of Things (16th Sept, 2020)
4. Safety in the Utility Industry (14th Oct, 2020)

PROFESSIONAL QUALIFICATIONS

1. *Member:* The Nigerian Society of Engineers (**NSE**) *ID: 53693*
2. *Member:* Council for the Regulation of Engineering in Nigeria (**COREN**).
ID: R51827
3. *Member:* International Association of Engineers (**IAENG**). *ID: 182181*
4. *Member:* The Society of Digital Information and Wireless Communication (**SDIWC**). *ID: 125*

WORKING EXPERIENCE:

PERIOD	2013-2014
ASST. LECTURER	GATEWAY POLYTECHNIC IGBESA OGUN STATE
PERIOD	2014- 2017
ASST. LECTURER	FEDERAL POLYTECHNIC, ILARO.
PERIOD	2018 -2021
LECTURER 3	FEDERAL POLYTECHNIC, ILARO.

PERIOD

2021 TO DATE

LECTURER 2

FEDERAL POLYTECHNIC,
ILARO.

TEACHING AREAS

1. Electronics and Telecommunication
2. Computer Troubleshooting
3. Operating System
4. Computer Hardware
5. Electrical Engineering Science
6. Electronic Prototyping
7. Computer Power System
8. Computer Architecture

RESEARCH INTEREST

1. Electronics and Telecommunication
2. Computer Networking

ADMINISTRATIVE EXPERIENCE

1. Secretary Computer Engineering Departmental Project and Seminar Committee, Federal Polytechnic Ilaro. (2015- Till Date)
2. Welfare Sub Committee of Nigeria Society of Engineers (NSE). Federal Polytechnic Ilaro, Ogun State. (2017)
3. Member, Time Table Committee, Federal Polytechnic Ilaro, Ogun State. (2015- Till Date)
4. School of Engineering Social Welfare. (2019- Till Date)

**MEMBERSHIP OF COMMITTEES IN THE FEDERAL POLYTECHNIC,
ILARO**

1. Member, Time Table Committee, Federal Polytechnic Ilaro, Ogun State. (2015-Till Date)
2. Member: Logistic and Venue. School of Engineering 4th National Conference. Federal Polytechnic Ilaro, Ogun State (2019)

SERVICES OUTSIDE THE FEDERAL POLYTECHNIC, ILARO

1. Member, Electricity Committee African Church Solution Ground, Sam Ewang Estate, Abeokuta, Ogun State
2. Member: Vigilante Group, Olorombo, Ijeun Titun, Abeokuta, Ogun State.

JOURNALS PUBLISHED WITH DATES:

1. **Olaiya O.O.**, Oduntan, O.E, and Frederick, O.E (2020). A Short Overview of Pipeline Monitoring Technologies for Vandalism Prevention with a Proposed Framework for a GSM Based System, *Journal of Engineering and Research Technology*. ISSN: 0428-3123.13(5), 175-188
2. Ehiagwina, F.O & **Olaiya, O.O.** (2020). An Insight into Deployments of Green Base Stations (GBSS) for an Environmentally Sustainable World, *International Research Journal of Modernization in Engineering Technology and Science*, e-ISSN: 2582-5208. 02(9), 621-635.
3. **Olaiya O.O.** and Eze, B.E (2020). Stand-alone Solar Power System for Small and Medium Scale Enterprises (SMEs) in Nigeria: Design and Analysis. *International Journal of Advances in Engineering and Management (IJAEM)*, ISSN: 2395-5252 2(6), 554-560.
4. Ehiagwina, F.O and **Olaiya, O.O.** (2020). Design of A Hybridized Security Door With Password Based Access and SMS Notification. <http://fepi-spas.com/spsajournal>, 2(2), 11-22
5. Afolabi, L. O. and **Olaiya O. O.** (2019). Effect of Metrological Parameters on Tropospheric Refractivity in Jos, North Central of Nigeria, *International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS)*, ISSN 2278-2540.VIII (XI), 77-82.
6. **Olaiya O.O.** and Eze, B.E (2019). The Tentative Model for Innovative Extenics Replications of the Mobile Robots, *IOSR Journal of Engineering (IOSRJEN)* ISSN (e): 2250-3021, ISSN (p): 2278-8719, 09(11), 09-15.

7. Afolabi, L. O. and **Olaiya O. O.** (2019). Speed Enhancement of a Mobile Car- Noisy Speech Using Spectral Subtraction Algorithm. *International Journal of Engineering Science and Computing (IJESC)*, 9(11), 24092- 24096
8. **Olaiya O.O.:** (2017). Cybernetic Organism: An Educative Note, *International Journal of Research*. e-ISSN: 2348-6848, p-ISSN: 2348-795X. 04 (10), 1858-1872
9. Joseph, E.A. & **Olaiya, O.O. (2017)**. Cohen – coon PID Tuning Method; A Better Option to Ziegler Nichols-PID Tuning Method, *International Journal of Recent Engineering Research and Development*, ISSN: 2455-8761. 02 (17), 141- 145
10. Eze B.E. & **Olaiya O.O. (2016)**. The Design & Implementation of an Environmentally – friendly Microcontroller Based Automatic Waste System Using Servo Computing, Information System, *Development Informatics & Allied Research Journal* 07(16), 95 102.
11. **Olaiya, O.O.** & Eze, B.E (2016). Innovation in Teaching & Learning in Nigeria Higher Institutions, *Advances in Multidisciplinary & Scientific Research* 02(4), 141-144.
12. Eze, B.E. & **Olaiya, O.O. (2016)**. A Review of Various Phishing Attacks & Anti –phishing Techniques, *Computing, Information System, Development Informatics & Allied Research Journal* 07 (4), 159 – 164
13. Joseph, E. A., Alausa, D.W.S., **Olaiya O. O.** & Olasina, J.R. (2016). Application of Renewable Energy to Power Generation in the Nigeria Environment. *Advances in Multidisciplinary & Scientific Research* 02(1), 109-116

CONFERENCES ATTENDED WITH PAPER PRESENTED

1. Fredrick, E.O. & **Olaiya, O.O.** (2020). Error Bounds of Selected Neural Network Training Algorithms using Spectrum Duty Cycle of 925-960MHZ. A paper Presented at the *1st International Conference of the Academic Staff Union of the Polytechnic*, Federal Polytechnic Offa, Kwara State. (13th – 15th Oct)
2. Adebessin, A.A. & **Olaiya, O.O.** (2020). E-Learning and COVID -19: Issues, Challenges and Observations. A Paper Presented at *Nigeria Society of Engineers (NSE) Ilaro Branch, 1st National Conference*. The Federal Polytechnic, Ilaro. (28th-30th Oct).
3. Olaniyan, A. & **Olaiya, O.O.** (2020). Construction of Microcontroller Based Combustible Gas Leakage Detector with Short Message Sent (SMS) Notification

- and Power Backup. A Proceedings of *the 2nd International Conference of the Federal Polytechnic Ilaro* (10th-11th Nov)
4. Ehiagwina, F.O & **Olaiya, O.O.** (2020). Development of a Password-Controlled Security Door with Short Messaging Service Based Notification System. A Presented at the *5th International Conference of School of Science, Yaba on Science, Technology and Innovation: Tools for Sustainable Development* (12th-13th Nov)
 5. Eze, B. E & **Olaiya, (2020).** Understanding the Role of Big Data Management during Crisis. A Paper Presented at *3rd International Science Technology, Education, Art, Management and Social Science (ISTEAMS) Multidisciplinary Conference on Democratizing Multidisciplinary Ecosystem for Global Impact*. Organized by the Society for Multidisciplinary and Advance Research Techniques (SMART) in Africa in Collaboration with the Computer Society of the Institute of Electrical and Electronics Engineers (IEEE), *Nigeria Section*. Spring- Summer2020
 6. Joseph, E. A. & **Olaiya, O.O** (2019). Innovative Light Traffic Control Technology for Effective Lagos State Traffic Management. A Paper Presented at *3rd International Conference on Science and Sustainable Development (ICSSD)*, College of Science and Technology, Covenant University, Ota, Nigeria (6th- 8th March)
 7. Joseph, E. A. & **Olaiya, O.O** (2019). Temperature Control System Model for Cement Kiln. A Paper Presented at *an International Inter-Tertiary Multidisciplinary Conference in Collaboration with Academic Staff Union of Polytechnic (ASUP) on Technological Renaissance for Innovations and Productivity (TRIP)*. Federal Polytechnic, Ilaro. (9th-11th June)
 8. Adedoyin, M.A. & **Olaiya, O.O.** (2019). Design and Evaluation of Radio Resource Management Algorithm for Millimeters Wave Based Ultra Dense Networks. Presented at the *4th National Engineering Conference on Growing the National Economy through Technological Advancement, Engineering, Innovation and Application*. School of Engineering, The Federal Polytechnic Ilaro, Ogun State (25th-28th Nov)
 9. Adegboye, O.J & **Olaiya, O.O** (2019). Memory Authorization in Networking: A Review. Book of Proceedings of *4th National Development Conference of the School of Pure and Applied Science* on Synergy between Industry and Academia: Panacea Scientific and Technological Advancement towards Technological Development. The Federal Polytechnic Ilaro, Ogun State, (2nd -5th Dec)
 10. Joseph, E.A. & **Olaiya, O.O.** (2018). Artificial Intelligence Application in Transportation System Control: An Effective Way to Minimize Global Warming Effect Society for Multidisciplinary and Advance Research Techniques in Africa

- (SMART). A Paper Presented at *11th Smart i-streams Conference, International Multidisciplinary Conference series in Collaboration with Academic Staff of Yaba College of Technology on Multidisciplinary Innovation for Infrastructure, National Development and Smart Cities*. Yaba College, Lagos (26th- 28th June)
11. Alausa, D.W.S & **Olaiya, O.O** (2018). Global Competitiveness Index : A Unique Measure for Higher Quality Education and Training. A Paper Presented *at the 1st International Conference on Knowledge & Technological Innovation for Global Competitiveness*. The Federal Polytechnic Ilaro, Ogun State (5th- 8th Nov)
 12. Joseph, E. A. & **Olaiya, O.O** (2017). Student Industrial Work Experience Scheme (SIWES); A Repository Scheme for Nigeria’s Economic Development. A Paper Presented *at the 11th Conference of School of Management Studies* held at the Federal Polytechnic, Ilaro.Ogun State (28th- 30th Nov)
 13. Joseph, E. A. & **Olaiya, O.O** (2017). Technical Manpower Development; An Imperative Economic Regeneration in Nigeria, A Paper Presented *at National Conference of School of Pure and Applied Science and Communication & Information Technology* held at the International Conference Centre of the Federal Polytechnic, Ilaro.Ogun State (4th- 7th Dec)
 14. Oyebola, B.O. & **Olaiya, O.O**.(2017) Printed Circuit Board Production (PCB) For Home Security System: A Catalyst for Mass Production, *3rd International Conference of the School on Engineering, Innovation & Technology Development*, held at School of Engineering Lecture Theatre, LASPOTECH, Ikorodu Lagos State (5th- 7th Dec)
 15. Alausa, D.W.S, **Olaiya, O.O** & Olasina, J. R. (2016). Innovation in Teaching and Learning, A paper presented at *3rd School of Engineering National Conference, the Federal Polytechnic, Ilaro. On Challenges of Energy, Transformation, Technical Education and Transfer of Technology on Sustainable Economic Growth in Nigeria*. (7th-10th March)
 16. Joseph, E.A., Alausa, D.W.S., **Olaiya, O.O** & Olasina, J.R. (2016). Renewable Energy and Its Use in Power Generation in Nigeria. Participated in *the International Science, Technology, Education, Arts, Management & Social Science iSTREAMS Cross Border Multidisciplinary Conference on Addressing Human-Centred Challenges Through Multidisciplinary Innovation & Inter-Tertiary Collaborations* (21st- 23rd March)

CONFERENCE/WORKSHOPS/SEMINAR ATTENDED WITH DATES

1. Actualizing Innovative Literacy and Creative Technology in Nigeria: Through and Beyond the Pandemic (13th – 15th Oct, 2020)

2. Research And Innovations Through Academia- Industry Synergy: Panacea For Technological And National Development in Post COVID- 19 Era (28th -30th Oct, 2020)
3. Emerging Trends in TVET As A Contributor To Economic Transformation For Global Competitiveness (10th – 11th Nov, 2020)
4. Growing the National Economy through Technological Advancement, Engineering Innovation And Application (25th -27th Nov, 2019)
5. Scalable Innovation Multidisciplinary Research for advancement & Economic Transformation. Held at Caleb University Imota, Lagos State (31st May – 2nd June, 2017).
6. The Nigerian Economic Recession Experience: Perspectives on leadership and Ethical behavior. Held at the Federal Polytechnic Ilaro (28th – 30th Nov, 2017).
7. Salvaging the Nigeria Economy from Recession through Science, Technology & Communication. Organized by the Federal Polytechnic Ilaro (4th– 7th Dec, 2017).
8. Science, Engineering and Technology: Imperative for Eco. Diversification (5th – 7th Dec, 2017).
9. Addressing Human – Centered challenges through Multidisciplinary Innovations & Inter – Tertiary Collaborations. Organized by the Federal Polytechnic Ilaro (21st – 23rd March, 2016).
10. Advanced Digital Appreciation Programme for Tertiary Institutions (ADAPTI). Organized by NCC in Collaboration with Digital Bridge Institute held at the Federal Polytechnic Ilaro, Ogun State (29th Aug – 2nd Sept, 2016).
11. Training Workshop on Intellectual Property Generation, Protection and Management for Academic Staff. held at the Federal Polytechnic Ilaro, Ogun State
12. Capacity Building workshop for academic staff. Organized by the Federal Polytechnic Ilaro (11th – 12th Feb 2015).
13. Professional Qualification and Ethics of Engineering Practices: A Compliance Challenge. Organized by the Federal Polytechnic Ilaro (8th Dec, 2015)

UNPUBLISHED RESEARCH WORK:

1. **Olaiya O. O.** (2010). Design and Construction of 3KA Inverter – Unpublished Dissertation Submitted in Partial Fulfillment for the Award of Bachelor Degree

- (B.Sc.) Electronics and Computer Engineering, Lagos State University. Lagos State, Nigeria
2. **Olaiya O. O.** (2011). Face detection and Recognition Attendance System based project using Open Computer Vision Technology
 3. **Olaiya O. O.** (2013). Over Speed Indication and Automatic Accident Avoiding System for Four Wheeler
 4. **Olaiya O. O.** (2014). Automatic Speed Controller for Fans and Coolers Using Current Sensor
 5. **Olaiya O. O.** (2015). Construction of Barrier Gate, Computer Engineering Department, The Federal Polytechnic, Ilaro
 6. **Olaiya O. O.** (2017). 5 in One Automatic Measurement System for Hospital Height, Temperature, Weight, Heart Beat, Blood Pressure Reading
 7. **Olaiya O. O.** (2019). Vehicle Anti Collision Using Ultrasonic Signals

CONTRIBUTIONS TO THE SOCIETY

1. Member, Nigerian Society of Engineering, Ilaro Chapter, (2018- Till Date)
2. Member, Electricity Committee African Church Solution Ground, Sam Ewang Estate, Abeokuta, Ogun State

EXTRA CURRICULAR ACTIVITIES: READING, TRAVELING, FOOT-BALLING AND LISTENING TO MUSIC

REFEREES:

1. **DR. M.A ADEDOYIN**
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