

# CURRICULUM VITAE

## 1. Biodata

- a. **Name:** Olalekan Obadele AWOLOLA
- b. **Date and Place of Birth:** June 28, 1969 & Ijara-Isin
- c. **Gender** Male
- d. **State of Origin** Kwara State
- e. **Nationality:** Nigerian
- f. **Marital Status:** Married to Mrs. Adepeju Valentina AWOLOLA-OBA
- g. **Number & ages of Children:** Three & 20, 18 and 16
- h. **Religion:** Christianity
- i. **Contact Address:** No. 10, Lekan Oyekunle Street, Ever Best Bus Stop,  
Meiran Road, Meiran, Lagos
- j. **E-mail Address:** [lekanoba2012@gmail.com](mailto:lekanoba2012@gmail.com)  
[olalekan.awolola@fedpolyilaro.edu.ng](mailto:olalekan.awolola@fedpolyilaro.edu.ng)
- k. **Telephone Number:** +234-802-795-5316
- l. **Present Position:** Chief Lecturer
- m. **Date of Last Promotion** January 1, 2022

## 2. Institution attended with dates:

University of Ilorin	--	2010 – 2018
University of Ilorin	--	2004 – 2008
University of Lagos	--	2000 – 2003
University of Ilorin	--	1988 – 1994
Cherubim & Seraphim College, Ilorin	--	1982 – 1987
Pake L. S. M. B. School, Ilorin, Kwara State	--	1979 – 1982
Baptist L. S. M. B. School, Ijara-Isin,	--	1978 – 1979
St. Mary R. C. M. School, Yekemi, Ile-Ife	--	1976 – 1978

## 3. Academic Qualifications with dates:

Doctor of Philosophy (Ph.D) Mechanical Engineering	--	2018
Master of Engineering (M.Eng.) Mechanical Engineering	--	2008
Master of Science (M.Sc.) Mechanical Engineering	--	2003
Bachelor of Engineering (B.Eng.) Mechanical Engineering	--	1994
General Certificate of Education O'Level	--	June, 1989
West African School Certificate (WASC)	--	June, 1987

First School Leaving certificate

-- June 1982

**4. Professional Qualifications:** Registered Engineer (COREN R19959) 2011

**5. Membership of learned societies & professional Bodies:** Member of Nigerian Society of Engineers (NSE) (Membership No. 23184), 2010

**6. Working Experience**

**a. Academic Experience**

**(i) Teaching Experience**

- Lecturer II, The Federal Polytechnic, Ilaro, June 2008 – December 2012
- Lecturer I, The Federal Polytechnic, Ilaro, January 2013 – December 2015
- Senior Lecturer, The Federal Polytechnic, Ilaro, January 2016 – 2018
- Principal Lecturer, The Federal Polytechnic, Ilaro, January 2019 – December 2021
- Chief Lecturer, The Federal Polytechnic, Ilaro, January 2022 – Date

My responsibilities include the following:

- Teaching and examining students
- Developing practical manuals in collaboration with the Technologist
- Supervising students' projects
- Carrying out project works/researches
- Participating in internal moderation of questions papers/answer scripts
- Coordinating the Department Students Industrial Work Experience Scheme (SIWES)

**(ii) Academic leadership positions**

- Departmental Level adviser (2008-2009)
- SIWES Coordinator (2009 – 2011)
- Examination Officer (2011 – 2017)
- Chairman, Departmental Research Committee (2020 – Date)

**b. Administrative Experience**

- (i) Head of Department – Mechatronics Engineering (2021 - Date)
- (ii) Coordinator – Mechatronics Engineering Programme (2017 - 2021)
- (iii) Head of Experimentation Unit
- (iv) Membership of Committees:
  - a. Member, Departmental Moderation Committee
  - b. Member, Departmental Project Defense Committee
  - c. Secretary, School of Engineering Retreat/ Conference Committee
  - d. Chairman, School of Engineering Welfare Committee 2016 - 2019
  - e. Member, Students' electoral committee – 2016-2019

- f. Member, Science Based Laboratory Committee – 2018
- g. Staff Adviser, National Association of Polytechnic Engineering Students, (NAPES) - 2012 - 2019

## 7. Service outside the Federal Polytechnic, Ilaro

**Nov 1996- May 2005**

### **Henley Industries Nigeria Limited, Agbara, Ogun State**

- (i) **Trainee Engineer (Nov. 96 – June '97):** I was exposed to workshop practice such as welding, gas cutting, maintenance procedures in glass industry and fabrication of conveyor for transporting sand.
- (ii) **Production Engineer (July '97 - Dec '98):** I was involved with the Planning & Implementation of the glass plant project; laying of pipes for and LPG pipelines, construction of air duct and venturimeter to measure the air flow. Installation of air receivers for compressed air.

Commissioning and operation of the forehearth/feeder (a glass forming machine), and routine maintenance of the same which include temperature monitoring

- (iii) **Production Engineer (Jan. '99 - May 2005):** I was involved with the production of liquid sodium silicate of various grades; operation and routine maintenance of production equipment such as boiler (steam generator), autoclave (digester), tanks, pipes and operating valves, expansion of the liquid Silicate Plant; which involved the construction of pipelines for transporting the liquid silicate to the storage tanks.

**June 1994 – June 1995**

### **Nigerian Gas Company Limited, Ekpan, Warri, Delta State,**

#### **National Youth Service Corps (NYSC) member**

Exposed to feasibility studies for gas supply for commercial, industrial, and domestic uses; Studies on improvement of existing gas system supply which include the determination of economic viability of the projects in study.

**Dec.'92 - Feb. '93**

### **Aero Motors Steel Construction Ltd. Ilorin, Kwara State**

Industrial Training Attachment

**Sept'91 - Mar. '92**

### **Federal Ministry of Works and Housing Lagos**

Industrial Training Attachment

## 8. Academic publications:

### **(a) Journal publications (listed from the very recent and in APA style)**

**Awolola, O. O.** and Olorunmaiye, J. A. (2019), Analysis of Weather Data for Humidity Control for Paper Storage and Printing Press in Abuja, Nigeria. Journal of Physics 1378 042042,1-8

- Awolola, O. O.** and Olorunmaiye, J. A. (2020), Cooling Degree Days for Estimating Energy Consumption in Air Conditioning Systems in Nigeria, *Journal of Clean Energy Technologies*, Vol. 8, No. 15-10
- Olorunmaiye, J. A. and **Awolola, O. O.** (2021), Statistical Analysis of Weather Data of Abuja with Respect to Air Conditioning Processes, *Uniabuja Journal of Engineering and Technology* Vol. 1(2), p. 1-17
- Awolola O. O.** and Sanni E.O (2021), Achieving Quality of Engineering and Training in Nigeria: The Federal Polytechnic, Ilaro as a Case Study. *Federal Polytechnic Ilaro Journal of Pure and Applied Sciences (FEPI-JOPAS)*, Vol 3 (1), 92-91.
- Awolola, O. O.** and 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)*, ISSN: 2811-1567, Vol 2(2), 30-37
- Olorunmaiye, J. A. and **Awolola, O. O.** (2018). Weather Statistics of Yola and Maiduguri, Nigeria and Cooling Systems. *Arid Zone Journal of Engineering, Technology and Environment*, 14(1), 72-84
- Olorunmaiye, J. A. and **Awolola, O. O.** (2017). Statistical Analysis of Hourly Dry Bulb Temperature and Relative Humidity Data of Bauchi and Jos, Nigeria for Air Conditioning Processes. *Nigerian Journal of Tropical Engineering*, 10(1 & 2), 10-22
- Olorunmaiye, J. A. and **Awolola, O. O.** (2017). Heating Degree-days for Estimating Energy Consumption in Poultry Houses and Incubators in Nigeria. *Energy Engineering*, 114(5), 18 - 32.
- Olorunmaiye, J. A. and **Awolola, O. O.** (2017). Development of Cumulative Distribution Function for Dry Bulb Temperature and Evaluation of Outside Design Condition for Eighteen Locations in Nigeria. *Nigerian Journal of Technological Research*, 12 (1), 5 - 11.
- Olorunmaiye, J. A. and **Awolola, O. O.** (2016). Models of Hourly Dry Bulb Temperature and Relative Humidity of Key Selected Areas in Nigeria for Engineering Applications. *Nigerian Journal of Technology*, 35(2), 360 - 369.
- Olorunmaiye, J. A, **Awolola, O. O.** (2016). Evidence of Global Warming in Nigeria and Recommended Response. *Advances in Multidisciplinary and Scientific(AIMS) Research Journal*, 2(2), 191-200
- Awolola, O. O.** and Olorunmaiye, J. A. (2015), Climate Change and Its Implication on Energy Consumption for Refrigeration Systems (Ilorin as a Case Study). *Aims Research Journal*. Vol 1, No. 1 Pp 61 -70.
- Olorunmaiye, J.A. and **Awolola, O. O.** (2015) "Evaluation of outside Air Design Dry and Wet bulb Temperature for Air Conditioning Systems in Nigeria", *NSE Technical Transactions*, Vol. 49, No. 2, April – June, pp. 54 - 66.
- Olorunmaiye, J. A., Ariyo, D. O., **Awolola, O. O.**, and Omolehin, I. S. (2015) " Models of Dry-Bulb Temperature and Relative Humidity for Ilorin and Ikeja Suitable for Engineering Applications", *Journal of Engineering Research* Vol. 20, No. 1, pp. 81 – 93.
- Awolola, O.O.**, Olagoke, S.A, and Omoregbee, H. O (2014), Investigating the Effect of Road Condition on Maintenance Profile of Tricycle in Nigeria: case study of Lagos Metropolis, *West African Journal of Building and Road Research* Vol 1 (1) pp 64 - 68

- Olorunmaiye, J.A., and **Awolola O. O.** (2013) “Study of Energy Consumption for Optimum Poultry Yield in Nigeria: NEFRADAY Farm Ltd Ilorin as a Case Study”. NSE Technical Transactions, Vol. 47, No. 2, pp. 63-71
- Olorunmaiye, J. A and **Awolola, O. O.** (2012), “Study of Energy Consumption for Optimum Poultry Yield in Nigeria: NEFRADAY Farm Ltd Ilorin as A Case Study” Accepted for publication in Nigerian Society of Engineers Technical Transaction.
- Olorunmaiye, J.A., **Awolola, O. O.** and Opadiji, J.F. (2012), “Experimental Investigation of the Effect of Change in Ambient Air Temperature on Power Consumption of Domestic Refrigerators.” Nigerian Journal of Technological Development, Vol. 9, No.2, pp 96 – 105.
- Olagoke, S. A and **Awolola, O. O.**, (2008), Human Development Index: Need for Women Empowerment in Nigeria, JOURNAL of Research in Engineering, Volume 5 No. 4 pgs 139-143

**(b) Book chapter/Book Publications (listed from the very recent and in APA style)**

- Awolola, O. O.**, (2020), A Handbook of Plant Services and Maintenance for Industrial Applications, published by Vickomon communications. ISBN: 978-978-969-696-3
- Awolola, O. O.**, (2021), Solving Problems in Basic Engineering Thermodynamics, *A Tutorial Handbook*, published by Vickomon communications. ISBN: 978-978-997-959-2
- Awolola, O. O.** and Joseph, O. O., (2021), Maintenance Management, published by Fintech Ventures ISBN: 978-978-998-226-4
- Awolola, O. O.**, (2018), Fundamentals of Fluid Power Engineering, published by Vickomon communications. ISBN: 978-978-969-697-0
- Owodolu, O. O., **Awolola, O. O.** et al (2013), Basic Principles and Useful Information for Becoming a Successful Entrepreneur for Vocational and Tertiary Instructions, published by WSO publishers, Ilaro

My contributory chapters are:

**Chapter 19:** Factory and Factories Layout

**Chapter 20:** Quality Control, Quality Assurance and Maintenance Management

**(c) Conference papers (listed from the very recent and in APA style)**

- Fasasi, T. A. and **Awolola, O. O.** Investigating the Performance Analysis of a Machine Shop for Training Students. 4th National Engineering Conference (25th-28th, 2019).
- Fakeye A.B. and **Awolola O. O.** Critical Assessment of Infrastructure Systems in Public Tertiary Institutions in Nigeria: A Case Study of the Federal Polytechnic, Ilaro. National Engineering Conference of the Nigeria Society of Engineers (NSE), pp 532-538. (25th - 29th November, 2019).
- Awolola O. O.** and Fasasi T. A. Relevance of Technical and Vocational Education on Employability Factor in Nigeria. *2<sup>nd</sup> International Conference, The Federal Polytechnic, Ilaro, Ogun State, Nigeria 10<sup>th</sup> – 11<sup>th</sup> November, 2021*).
- Awolola O. O.** and Samuel O. Using Communication for Rural Development (Comdev) Model to Bridge the Gap in Educational Development During Covid-19 Pandemic in Nigeria. *The Nigerian Society of Engineers, Ilaro Branch. (2<sup>nd</sup> – 3<sup>rd</sup> November, 2020)*.
- Awolola O. O.** and Ademola A., Building for Human Comfort and Green Environment. 8<sup>th</sup>

*National Conference of Environmental Studies, (13<sup>th</sup> – 15<sup>th</sup> July, 2021).*

- Awolola O. O.** and Enemona S., Investigating the Effects of Energy Metering on the Economy of Users and Sustainability of Electricity in Meiran, Lagos, Nigeria. 2021 National Engineering Conference (6<sup>th</sup> -10<sup>th</sup> December, 2021).
- Awolola, O. O.** and Fasasi, T. A. (2021), Waste Management Model for Quality Environment to Achieve Sustainable Development Goals in Lagos, Nigeria. 5<sup>th</sup> National Conference of School of Engineering (Virtual) (8<sup>th</sup> -10<sup>th</sup> November, 2021)
- Awolola, O. O.** Certificate of Participation , Association of Technical Universities and Polytechnics in Africa International Conference (CAPA-ATUPA) (30<sup>th</sup> – 31<sup>st</sup> August, 2021)
- Awolola, O. O.** and Olorunmaiye, J. A. (2018) Statistical Investigation of Meteorological Data of Enugu and Owerri for Air-Comfort and Storage for Economic Development. *1<sup>st</sup> International Conference, University of Nigeria, Nsukka, Nigeria* (April 25 – 28, 2018).
- Awolola, O. O.** and Olorunmaiye, J. A. (2018) Comfort Air Conditioning Design Temperature for Selected Locations in Nigeria Using Two Methods of Analysis. *1<sup>st</sup> International Conference, The Federal Polytechnic, Ilaro, Nigeria* (November 5-8, 2018).
- Awolola, O. O.** and Olorunmaiye, J. A. (2018) Feasibility of Evaporative Cooler for Economic Development of Rural Areas in Nigeria. *Nigeria Society of Engineers, National Conference, Kaduna* (November 30, 2018).
- Awolola, O. O.** and Olorunmaiye, J. A. (2017). Relevance of Thermal Environment of Selected Nigerian Locations to Dairy Cattle and Appropriate Engineering Approach for Economic Diversification. *Nigerian Society of Engineers, National Conference, Abuja* (November 26, 2017).
- Olorunmaiye, J.A. and **Awolola, O. O.** (2016). Evidence of Global Warming From Fourteen Locations In Nigeria. *International Science, Technology, Education, Arts, Management & Social Sciences (iSTEAMS) Multidisciplinary Cross-Border Conference, University of Professional Studies Accra (UPSA), Series 9, Vol. 1(463 – 470) , (March 21-23, 2016).*
- Awolola, O. O.** and Olorunmaiye, J. A. (2016), Study of Climatic Condition of Ibadan and Ondo (South West) Nigeria and Its Impact on Human Comfort. *3<sup>rd</sup> National Engineering Conference, School of Engineering, The Federal Polytechnic, Ilaro* (March 7-10, 2016).
- Olorunmaiye, J.A. and **Awolola, O.O.** (2015), “Ilorin Climate and its Implication on Energy Consumption for Refrigeration Systems”, Book of Proceedings of the International Conference of Science, Technology, Education, Arts, Management and Social Sciences (iStearns Research Nexus) pp 775-780.
- Olorunmaiye, J.A. and **Awolola, O.O.**, (2014), “Estimation of Energy Consumption in Hatchery Operation in Nigeria”, Book of Proceedings of International Science, Technology, Education, Arts, Management & Social Sciences (iSTEAMS), Research Nexus Conference, held at Afe Babalola University, Ado-Ekiti, 29<sup>th</sup> – 31<sup>st</sup> May, 2014, pp. 717 – 722.
- Awolola, O. O.**, and Olorunmaiye, J. A. (2013), “Statistical Analysis of Hourly Relative Humidity Data of Sokoto and Port Harcourt in Nigeria and its Implication on Agriculture”, Proceedings of 2013 International Engineering Conference of the Nigerian Society of

Engineers on “Strategies for Transforming the Agriculture and Water Resources Sectors of the Nigerian Economy”, International Conference Centre, Abuja, 9<sup>th</sup>-13<sup>th</sup> December.

- Olorunmaiye, J.A., Ariyo, D.O., **Awolola, O.O.**, and Omolehin, I.S., (2012) “Models of Dry-bulb Temperature and Relative Humidity for Ilorin and Ikeja Suitable for Engineering Application”, paper presented at Joint International Conference on Science and Technology for Development in Africa, Cape Peninsula University of Technology, Cape Town, 26 – 28<sup>th</sup> June, 2012.
- Olorunmaiye, J. A and **Awolola, O. O.**, (2011) “Study of Energy Consumption for Optimum Poultry Yield in Nigeria: NEFRADAY Farm Ltd Ilorin as A Case Study” Book of Proceeding of 11th International Conference of the Nigerian Institution of Agricultural Engineers (NIAE)
- Olagoke, S.A, **Awolola, O.O.**, and Omoregbee, H. O (2011), Investigating the Effect of Road Condition on Maintenance Profile of Tricycle in Some Locations in Lagos Metropolis, “Book of Proceeding of International Conference of the Nigerian Society of Engineer at Calabar.
- Olorunmaiye, J. A, **Awolola, O. O.** and Opadiji, J. F. (2011) Experimental Investigation of the Effect of Climate Change on Power Consumption of Refrigerators: Book of proceedings of 2nd Joint International Conference of University of Ilorin, Ilorin, Nigeria and University of Cape Coast, Cape Coast, Ghana.
- Olagoke, S. A and **Awolola, O. O.**, (2010), “Entrepreneurship Development in the Nigerian Natural Gas Industry”, Book of Reading of the 3rd National Engineering Conference of the Institute of Technology, Kwara State Polytechnic, Ilorin, Kwara State
- Olagoke, S.A and **Awolola, O. O.**, (2010) Entrepreneurship Development in the Nigerian Natural Gas Industry: Book of Reading of the 3rd National Engineering Conference of the Institute of Technology, Kwara State Polytechnic, Ilorin, Kwara State
- Olagoke, S.A., **Awolola, O.O.**, Balogun, M. O. (2010), “The Effect of Environmental Layout on Degree-Days”, 2010 International Conference of the Nigerian Society of Engineers.
- Odunlami, S. A, **Awolola, O. O** and Adebesein, A. A (2008), ‘Degree Awarding Status: The importance of Modern Teaching and Learning Aids in Nigerian Polytechnic Education, Book of Reading of the 3rd Ilaro ASUP National conference pgs 112-118.
- Ogunyemi, J. and **Awolola, O. O.** (2008) The implication of Degree Awarding Status of Polytechnics on Engineering Profession, Book of Reading of the 3rd Ilaro ASUP National conference pgs 119-125
- Olagoke, S.A, **Awolola, O.O.**, Balogun, M. O. (2008), Degree Awarding Status and the Challenges of Polytechnic Education for Technological Development. Book of Reading of the 3rd Ilaro ASUP National conference pgs 126-131