CURRICULUM VITAE

01. PERSONAL

(i) Full Name: NUGA Olubusola Olufunke

(ii) Date of Birth: May 30, 1980

(iii) Place of Birth: Abeokuta

(iv) Age: 45 Years

(v) Sex: Female

(vi) Marital Status: Single

(vii) Nationality: Nigerian

(viii) Town and State of Origin: Ijebu-Ode and Ogun State

(ix) Contact Address: Department of Electrical and Electronic Engineering, College of Engineering, Federal University of Agriculture, Abeokuta, Nigeria

(x) Phone Number: +2349121810417

(xi) Email Address: nugaoo@funaab.edu.ng

02. EDUCATIONAL BACKGROUND

(i) Educational Institutions Attended with Dates

1. The University of Manchester, United Kingdom 2015 to 2019
2. University of Lagos, Akoka, Lagos State 2008 to 2010
3. Ladoke Akintola University of Technology, Ogbomoso, Oyo State 2000 to 2005
4. Abeokuta Girls' Grammar School, Abeokuta, Ogun State 1991 to 1997

(ii) Academic & Professional Qualifications with Dates

1. Ph.D. Electrical and Electronic Engineering (Control Systems Engineering) 2019
2. Registered Engineer, COREN (R.23,113) 2012
3. M.Sc. Electrical Electronics Engineering (Control Systems Engineering) 2010
4. B. Tech Electronic and Electrical Engineering (2nd Class Upper Division) 2006
5. Senior School Certificate 1997

(iii) Prizes, Award and Honours

1. Year 2017 & 2024 TETFund IBR Intervention Grant (FUNAAB/DRIP/40) 2025
2. TETFund NRF Grant for Development of an odour detection device for African giant rat olfactory receptors (TET/ES/DR&DCE/NRF2021/CC/STI/00053/VOL1). 2023

03. WORK EXPERIENCE, POSITION WITH DATES AND RESPONSIBILITIES

(a) Work Experience within the University

S/N	Employer	Designation	Nature of Duty	Date
1	Federal University of Agriculture, Abeokuta, Nigeria	Senior Lecturer	Teaching, Research and Community Service	Oct. 1, 2022 to date
2	Federal University of Agriculture, Abeokuta, Nigeria	Lecturer I	Teaching, Research and Community Service	Oct. 1, 2017 to Sept. 30 2022
3	Federal University of Agriculture, Abeokuta, Nigeria	Lecturer II	Teaching, Research and Community Service	Nov. 6, 2012 to Sept. 30, 2017

4	Federal University of Agriculture, Abeokuta, Nigeria	Assistant Lecturer	Teaching, Research and Community Service	June 29, 2011 to November 6, 2012

04. TRAINING PROGRAMME ATTENDED

1. 1-day Workshop on blending in ICSS by CENTS at FUNAAB, July 2025
2. 2-days Capacity Building Workshop for Academic Staff at FUNAAB, June 2024

05. COMMENDATION: Nil

06. MEMBERSHIP OF PROFESSIONAL BODIES

1	Member, The Institution of Engineering and Technology (IET), UK	2008
2	Member, The Nigerian Society of Engineers (NSE) (No: 26536)	2011
3	Member, Institute of Electrical Electronics Engineers, USA (No: 92653318)	2013

07. RESEARCH INTEREST

(a) Researches in progress

i. Development of controlled solar central powered cooling system
ii. Development of a roust model for chronic kidney diseases prediction using Machine learning techniques
iii. Control of Systems of Linear and non-linear Systems
iv. Modelling of a battery charger for electric vehicle
v. Development of machine learning based application interface for diagnosing livestock diseases
vi. Electroencephalogram based signal modelling of olfactory perception in African giant rats
vii. Development of a mobile stunning device for livestock animals
viii. Development of a mobile application for an electric vehicle battery management system with machine learning
ix. Multi-lingual contextual audio transcription and translation to selected native languages

08. SELECTED PUBLICATIONS

1. Amusa**,** K.A., Erinosho, T.C., **Nuga, O.O.,** & Omotoso, A.O. **(2025).** YorubaAI: Bridging Language Barrier with Advanced Language Models. ***Journal of Applied Artificial Intelligence***, 6:39–52, Published by Saba.
2. Erinosho T. C., Amusa K. A., **Nuga O. O.** & Kolawole S.T. **(2025).** Development of a Chatbot for Technical Manual Information Retrieval**.** ***Journal of Engineering for Development,*** 17(1), Published by the Faculty of Engineering, University of Benin, Benin City, Nigeria.
3. Olanipekun A.J.**, Nuga O.O.,** Matthew S., John O.M., Onabanjo P.O. & Olamiju O.O. **(2025).** Development of a Voltage Controlled Battery Multi-Charging System. ***APWEN Journal of Engineering Science and Technology,*** 8(1). Published by Association of Professional Women Engineers of Nigeria (APWEN).
4. **Nuga O. O.**, Olanipekun A.J., Amusa K.A., Adebisi O.I., Akinola O.A., Matthew S., Adedokun 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 (AJEST)***, 8(1): I-XII. Published by Association of Professional Women Engineers of Nigeria (APWEN).
5. Akinola T.Y. **Nuga O.O.** & Akinyokun K.O. **(2025).** An Ensemble Machine Learning Approach for the Prediction of Vulnerabilities Leading to DOS – Attacks on Cloud applications.

Advancement of Computer Technology and its Applications, 8(3): 41-49, Published by Zendo Academic Publishing, New York, USA.

6. Olanipekun A.J., **Nuga O.O.**, Matthew S. & Olamiju O.O. (2024). Development of a Voice Controlled Robotic Vehicle to Enhance Human-robot Interaction. ***APWEN Journal of Engineering Science and Technology (AJEST),*** 7(1): 111-121. Published by Association of Professional Women Engineers of Nigeria (APWEN).
7. Adebayo L.O., Amusa, K.A. **Nuga O.O** & Aborisade, D.O. **(2024).** Gender classification based on facial information using Efficient-Net. ***APWEN Journal of Engineering, Science and Technology,*** 7(1):29-40. Published by Association of Professional Women Engineers, A Division of the Nigeria Society of Engineers. https://apwen.org.ng/ajest.
8. **Nuga, O.O.,** Amusa, K.A., Olanipekun, A.J. & Matthew, S. **(2024)**. Quantized consensus of finite-level multi-agent networked Systems. ***International Journal of Advances in Applied Sciences***. 13(1):148-159. Published by Published by Institute of Advanced Engineering and Science, Indonesia. doi: 0.11591/ijaas.v13.i1.pp148-159. [.
9. Anyanwu B.U., Olamide O.O., Owoeye S.O., Adekunle N.O., Durodola F.O., **Nuga O.O.,** Ismaila S.O. & Aiyedun P.O. **(2023).** Performance Evalution of Seleceted Animal and Vegetable Oil Based Cutting Fluids in Mild Steel Turning Operation ***Journal of Engineering Research (JER),*** 28(1): 1-12.
10. **Nuga O.O.**, Olanipekun A.J., Nwaorgu O.G.F., Matthew S., Anyanwu B.U. & Amusa K.A. **(2023).** Ethics: An obligation for Engineering and Scientific Societies. ***International Journal of Basic Science and Technology (IJBST),*** 9(2):122-117. Published by Faculty of Science, Federal University, Otuoke, Bayelsa State.
11. Olanipekun A.J., Akinboro F.G., **Nuga O.O.**, Matthew S. & Egberinde O.G. **(2022).** Development of a Demand Side Smart Energy Control Meter**.** ***International Journal of Basic Science and Technology (IJBST),*** 8(3):233-242. Published by Faculty of Science, Federal University, Otuoke, Bayelsa State.
12. Olanipekun A.J., Amusa K.A., **Nuga O.O.** & Matthew S. & Aikulola B.O. **(2022).** Bus Pass System Development using Radio Frequency Identification (RFID). ***International Journal of Basic Science and Technology (IJBST)***, 8(3):224-232. Published by Faculty of Science, Federal University, Otuoke, Bayelsa State.
13. Ofusori T.J., Obikoya G.D., Udoh C.O., **Nuga O.O.** & Babarinde A.K. **(2018).** Design and Implementation of a Cost-Effective Real-Time Vehicle Tracking System Using Telit GM862. ***Journal of Engineering and Technology,*** 3 (1) 2579-0617 Published by Federal University Oye-Ekiti Ekiti.
14. Amusa K.A., Opeodu F.A., Adewusi A. & **Nuga O.O. (2018)** Automatic Temperature Control System ***FULafia Journal of Science & Technology*** 4: 17-22 Special Edition, Published by Faculty of Science and Technology, Federal University of Lafia, Nigeria. [University Journal]
15. **Nuga O.O.,** Amusa K.A. & Olanipekun A.J. **(2017)** GSM Based Gas Leakage Security Alert System. ***ABUAD Journal of Engineering Research and Development:*** 1(1) 100-104.