

CURRICULUM VITAE (ACADEMICS)

A. GENERAL INFORMATION

1. Name: ADEAGBO Funmilola Margaret
2. Date and Place of Birth: 13th July, 1986. Lagos
3. Gender: Female
4. Nationality: Nigerian
5. State of Origin: Osun
6. Local Government Area: Ilesa West
7. Marital Status: Married
8. Name and Ages of Children: ADEAGBO Ireoluwa (8 years old)
ADEAGBO Iremide (5 years old)
9. Name and Relationship of Next of kin: Engr. Dr. Ayooluwa Peter Adeagbo (Husband)
with Telephone Number: 07037117446.
10. Permanent Address: No. 1 Adeagbo close, Elerumoke Street, Aji a,
Junction, Ibadan, Oyo State.
11. Email Address: funmilola.adeagbo@uniosun.edu.ng
12. Registration with research gates: Yes
13. Link: <https://www.researchgate.net/profile/Adeagbo-Funmilola>
14. If No why: N/A
15. Registration with Google Scholar: Yes
16. Link: <https://scholar.google.com/citations?hl=en&user=id5YoMUAAAAJ>
17. If No Why: N/A
18. Cell Phone Number: 08068688228
19. College: Science, Engineering and Technology
20. Faculty: Engineering

21. Department:	Electrical and Electronics Engineering
22. Date and Position on First Appointment:	January, 08, 2024 /Lecturer II
23. Present position and Salary:	Lecturer I, CONUASS 4 step 2
24. Date of Present Position (Promotion):	1 st September, 2025/Promotion
25. Is your appointment confirmed?	Yes
26. Date of Confirmation of Appointment:	10 th Febuary, 2025

B. EDUCATIONAL BACKGROUND

1. Educational Institutions Attended with Dates:

(i)	Osun State University Osogbo, Osun State	2022–2025
(ii)	Osun State University Osogbo, Osun State	2019–2022
(iii)	Ladoke Akintola University of Technology, Ogbomoso	2006–2010
(iv)	The Federal Polytechnic Ede, Osun State	2003–2005
(v)	Obokun High School Ilesa	1999–2001
(vi)	Jehovah Nissi Primary School Ilesa	1992–1996

2. Academic and professional Qualification with Dates/Issuing Authority and Class of Degree/Grade Level must be indicated:

i.	Ph.D. (Electrical & Electronics Engineering) UNIOSUN, Distinction)	2025
ii.	Masters of Engineering UNIOSUN (M. Eng., Distinction)	2022
iii.	Registered Engineer with COREN (R60174)	2021
iv.	Bachelor of Technology in Electronic and Electrical Engineering LAUTECH (B. Tech, Second Class Lower Division)	2010
v.	National Diploma Certificate Federal Polytechnic Ede (Upper Credit)	2005
vi.	Senior Secondary School Certificate NECO	2001
vii	West African Senior School Certificate WAEC	1991

3. Other Relevant Qualifications

COREN Registered Engineer (Electrical) (R60174)	2021
NSE Registered Engineer (Electrical) 50621	2019

4. Honors, Awards and Qualifications

(i) Award of Excellence, Women Fellowship BBC (National)	2025
(ii) Award of Excellence, Young women Fellowship BBC	2025
(iii) Most Distinguished Service Award, Elerumoke Executive Association	2017
(iv) Best female graduating student, Federal Polytechnic Ede, Osun State	2005

5. Research Fellowship with dates: Nil

C. WORK EXPERIENCE OUTSIDE THE UNIVERSITY SYSTEM

(i) West African Examination Council WAEC (Examiner)	2015 - 2024
(ii) National Examination Council NECO (Examiner)	2015 - 2024
(iii) Seed of Grace International College Afao Rd., Ado-Ekiti, Ekiti State	2016–2018
(iv) Holy Vessels International College, Oke – Opo, Ilesa, Osun State	2013–2014
(v) Starcomms Nigeria Limited, Ibrahim Taiwo Rd., Ilorin (NYSC)	2011–2012
(vi) De-shalom Pharmaceutical Company Ilesa, Osun State (B. Tech I.T)	2009
(vii) Nigerian Telecommunication (NITEL) Ilesa, Osun State (N.D. SIWES)	2004

D. WORK EXPERIENCE IN OTHER UNIVERSITY: Nil

E. WORK EXPERIENCE IN OSUN STATE UNIVERSITY

i. Lecturer I 05/01/2026 – Till date

F. CO-CURRICULAR PROFESSIONAL EXPERIENCE

- (i) Actively participating in all the professional sessions of the Nigerian Society of Engineers, at the Osogbo branch and at the National level.
- (ii) Actively participating in all the professional sessions of the Nigerian Institute of Electrical and Electronics Engineers, at the Osogbo branch and at the National level.
- (iii) Involve actively in all the activities of the Institute of Electrical and Electronics Engineers, at the Osogbo branch and at the National Level.

G. MEMBERSHIP OF PROFESSIONAL BODIES**1. National**

- i. Council for the regulation of Engineering in Nigeria, COREN, (*Member*)
- ii. Nigerian Society of Engineers (NSE) (*Member*)
- iii. Institute of Electrical and Electronics Engineers (IEEE) (*Member*)
- iv. Nigerian Institute of Electrical and Electronics Engineers (NIEEE) (*Member*)

2. International

- i. Institute of Electrical and Electronics Engineers (Member)

H. SERVICE**1. OSUN STATE UNIVERSITY:****a) Department of Electrical and Electronic Engineering**

- | | | |
|------|---|----------------|
| i. | Member, departmental financial committee | 2025 till date |
| ii. | Departmental final year project coordinator | 2025 till date |
| iii. | Member, departmental Accreditation review committee | 2015 till date |
| iv. | Departmental Entrepreneurship Coordinator | 2024 till date |
| v. | Departmental Welfare Officer | 2024 till date |
| vi. | Students' Workshop and presentation Welfare Coordinator | 2024 till date |

b) Faculty of Engineering

- | | | |
|------|--|----------------|
| ii. | Member, Faculty Academic Board | 2024 till date |
| iii. | Member, Committee for International Conference (ICEES) | 2024 till date |

2. COMMUNITY

- i. Member, Elerumoke Development Forum, Ibadan, Oyo State 2020 till date
- ii. Member, Elerumoke Welfare Forum, Ibadan, Oyo State 2020 till date

iii. Secretary Elecru smoke Landlord and Landlady forum, Ibadan, Oyo State 2020 till date

3. NATIONAL

i. National Youth Service Corps 2011–2012

4. INTERNATIONAL Nil

I. COURSE TAUGHT DURING CURRENT ACADEMIC SESSION:

A. COURSES TAUGHT DURING THE CURRENT ACADEMIC SESSION

	Code	Title	Units
i.	EEE 313	Electronic Circuit I	3
ii.	EEE 319	Mini Project I	2
iii.	EEE 501	Students' Project I	3
iv.	EEE 529	Personal and Mobile Communications	3
v.	EEE 502	Students' Project II	3
vi.	EEE 621	Electronic Device and System	3
vii.	EEE 626	Digital Electronics	3
viii.	EEE 611	Electrical Circuit I	3
ix.	EEE 615	Electromagnetic Field and Waves	3
x.	EEE 705	Computational Intelligence	3

J. GRADUATE STUDIES SUPERVISION:

Undergraduate

- a. Adebiyi Oluwaferanmi Michael ,2020/30423. Investigation On 5g Modulation Scheme for Underwater Signal Transmission – *Completed*
- b. Ashaolu Olumide Toluwalase, 2020/30439. Investigation On 5g Modulation Scheme for Underwater Signal Transmission- *Completed*
- c. Ayantola Abayomi Sulaimon, 2020/30442. Investigation on Fading Channel for Underwater Signal Transmission – *On-going*
- d. Olateju Faruq Olaide, 2021/36229. Performance Analysis Of 5g Protocols for Underwater Signal Transmission– *On-going*

- e. Akinlolu Stephen Oluwadarasimi, 2020/30436. Investigation on Fading Channel for Underwater Signal Transmission. – *On-going*

K. PUBLICATIONS

- | | | |
|------|--------------------------------------|-----|
| i. | Books (authored/co-authored): | Nil |
| ii. | Books (edited/co-edited) | Nil |
| iii. | Monographs | Nil |
| iv. | Chapters in books | Nil |
| v. | Articles in learned journals: | |

1. **Funmilola Adeagbo**, Hammed Lasisi, Fatimat Aderinkola, Mubarak Asafa, Olla Moses, Kehinde Alawode, Tolulope Awofolaju, Abdulsemiu Olawuyi (2025): Seasonal Impact of Water Parameters Variation on Signal Propagation in Underwater Communication Systems. *Journal of Science and Technology [JST]* 17(2), 39-47. URL: <https://publisher.uthm.edu.my/ojs/index.php/JST/article/view/21173/7824>.
[Published by: Penerbit University (UTHM), Malaysia] (Offshore).
2. **Funmilola M. ADEAGBO**, Hammed O. LASISI, Fatimat B. ADERINKOLA, Mubarak O. ASAFA, Olakunle OLUKAYODE, Olatunde OLADEPO1, Tolulope T. AWOFO LAJU, Abdulsemiu A. OLAWUYI (2025); Analysis on the Impact of Water Parameters Variation for Underwater Communication System: *OAUSTECH Journal of Engineering and Intelligent Technology*, Vol. 1(1): 168-175
https://www.journals.oaustech.edu.ng/det/publication/10-36108_ojeit_5202-10-0181.pdf DOI: 10.36108/ojeit/5202.10.0181.
<https://journals.oaustech.edu.ng/article?articleid=7H9IQJ> **[Publisher: Olusegun Agagu University of Science and Technology, Nigeria] [Onshore]**
3. Hammed Oyebamiji Lasisi, Oyetunji Babatunde Okedere, Modupe Ester Osisanya, **Adeagbo Funmilola Margret (2024)**; Comparative Analysis of Power consumption and Emission Characteristics of Co-Located and Stand-Alone Base Transceiver Stations; Osun State, Nigeria as a case Study: *Adeleke University Journal of Engineering and*

Technology (AUJET), Vol. 7(1): 214 - 221. ISSN: 2714-2450.

<https://aujet.adelekeuniversity.edu.ng/index.php/aujet/article/view/412> [Publisher: Adeleke University, Nigeria] [Onshore]

4. Awofolaju, T.T., Lasisi, H.O., Ajewole, T.O., Adebayo, S., Olawuyi, A.A., **Adeagbo, F.M.** and Asafa, M.O. (2024). Validation of Key Performance Indicators of Mobile Telecommunication Operators Using Ensemble Models and Artificial Neural Networks with Nigerian Communication Commission's Thresholds. *UNIOSUN Journal of Engineering and Environmental Sciences (UJEES)*, 6(1): 61 – 71. https://ujees.com.ng/publication/vol_6/issue_1/Article_6.pdf DOI: 10.36108/ujees/4202.60.0160 [Publisher: Faculty of Engineering and Environmental science, Osun State University, Nigeria] [Onshore].
5. **Adeagbo, F.M.**, Lasisi, H. O., Aderinkola, B. F., Asafa, M.O. (2024). The Efficient Performance Of Generalized Selective Combining Techniques on Rayleigh Fading Channel Using Hybridized Modulation Scheme. *UNIOSUN Journal of Engineering and Environmental Sciences (UJEES)*, 6(1): 73 – 83. https://ujees.com.ng/publication/vol_6/issue_1/Article_7.pdf DOI: 10.36108/ujees/4202.60.0170. [Publisher: Faculty of Engineering and Environmental science, Osun State University, Nigeria] [Onshore]
6. Hammed Lasisi, **Funmilola Adeagbo.**, and Bolatito Aderinkola. (2022); Enhancement of Generalised Selective Combiner Using Combined Modulation Schemes over Rayleigh Fading Channel: *Journal of Engineering Studies and Research, JESR*. 28(4): 71-77. <https://jesr.ub.ro/journal/article/view/353/335> <http://jesr.ub.ro/1/issue/archive>. [Publisher: University of Bacau, Romania] [Offshore].
7. Lasisi H. O., Aderinkola B. F., and **Adeagbo F. M.** (2022); Spectrum Occupancy Measurement And Analysis At Osun State University Campus, Osogbo, Nigeria: *Journal of Engineering Studies and Research, JESR*. 28(1): 59-66. <https://jesr.ub.ro/journal/article/view/318/293> <http://jesr.ub.ro/1/issue/archive>. [Publisher: University of Bacau, Romania] [Offshore].
8. Lasisi H. O., Boyejo A. D., Aderinkola B. F., and **Adeagbo F. M.** (2021). Analysis of Variation in Electromagnetic Radiations across Selected Service Providers and Mobile Equipment in

Osogbo, Nigeria. *Premier Journal of Engineering and Applied Sciences (PJEAS)*, 2(2): 8-14. ISSN: 2734 – 3170. <http://www.nseibadan.org.ng/journal>. [Publisher: Nigerian Society of Engineers, Nigeria] [Onshore].

(vi) **Review Articles:**

1. Hammed Oyebamiji Lasisi, Olaoluwa Adeyemi Adeyemo, **Funmilola Margaret Adeagbo** (2024); Development of an Unmanned Aerial Vehicle to Ground Communication Devoid Eavesdropping: A Review: *Adeleke University Journal of Engineering and Technology (AUJET)*, Vol. 7(1): 259 - 268. ISSN: 2714-2450. <https://aujet.adelekeuniversity.edu.ng/index.php/aujet/article/view/425/308> www.aujet.adelekeuniversity.edu.ng. [Publisher: Adeleke University, Nigeria] [Onshore]
2. H. O. Lasisi, B. F. Aderinkola and **F. M. Adeagbo** (2021). A Review of Spectrum Utilization and TV White Space Detection. *Premier Journal of Engineering and Applied Sciences (PJEAS)*, 2(2):31-40.ISSN:2734 – 3170. <http://www.nseibadan.org.ng/journal>. [Publisher: Nigerian Society of Engineers, Nigeria] [Onshore].
3. Lasisi H. O., **Adeagbo F. M.** and Aderinkola B. F. (2021). Enhancement of GSC using OFDM and QAM over Rayleigh Fading Channel: A Review. *Journal of Engineering Research and Reports*, 20(11), 108 – 114. [Ofshore]
4. Lasisi H. O., Aderinkola B. F. and **Adeagbo F. M.** (2021). A Review of Spectrum Utilization and TV White Space Detection. *Premier Journal of Engineering and Applied Sciences*. 2(2), 31 – 40. [Onshore]

(vii) **Refereed Conference Proceedings:**

5. Aderinkola, B. F; **Lasisi, H. O**; Olawoyin, L. A; **Adeagbo, M. F**; Asafa, M. O. (2024). Quantitative Assessment of Television White Space Spectrum Availability in Osun State, Nigeria: *Proceedings of the 3RD International Conference on Engineering And Environmental Sciences (ICEES), 2024 Organized By Faculties Of Engineering And Environmental Sciences Osun State University (UNIOSUN), Osogbo, Nigeria*. pp. 158 – 166 <https://journals.uniosun.edu.ng/ujees/issue/view/16/1> **Publisher: Faculties Of Engineering, UNIOSUN, Nigeria.** [Onshore]. <https://journals.uniosun.edu.ng/ujees/>

(viii)	Un-refereed Conference Proceedings:	Nil
(ix)	Book Reviews:	Nil
(x)	Technical Reports:	Nil
(xi)	Patents and Inventions:	Nil
(xii)	Online journal articles:	Nil

L. CURRENT RESEARCH ACTIVITIES

Analysis of various communication systems' performance

(a) Funded Research:

(b) Non-funded/Self-sponsored Research:

M. CONFERENCES ATTENDED (indicating titles of papers presented, if any)

- i. 1st International Conference on Engineering and Environmental Sciences, ICEES) (2021)), Faculty of Engineering and Environmental Sciences, Osun State University, Osogbo.
- ii. 1st International Conference on Engineering and Environmental Sciences, ICEES) (2021)), Faculty of Engineering and Environmental Sciences, Osun State University, Osogbo.
- iii. 30th COREN Engineering Assembly, International Conference Centre, Abuja, 8th – 10th August, 2022.
- iv. 30th COREN Engineering Assembly, Dome centre, Abuja, 8th – 10th August, 2022.
- v. OAUTEKCONF 2022, Faculty of Technology, Obafemi Awolowo University, Ile-Ife, 6th – 9th February, 2022.
- vi. Seminar on Teaching Methodology in the University System, organized by the College of Science, Engineering and Technology, Osun State University, Osogbo.

N. EXTRA-CURRICULAR ACTIVITIES:

Reading, Listening to Music, Travelling, and Cooking.

O. ANY OTHER RELEVANT INFORMATION:

Nil

P. SUMMARY OF CONTRIBUTION TO KNOWLEDGE

Papers [5] and [18], Spectrum utilization was investigated based on energy detection measurement technique. Measurements, spanning from frequency band 470 MHz to 870 MHz, were conducted at six different locations in Osun State University main campus, Osogbo at the busiest hours of the day. From the findings, typical percentage occupancy of the UHF TV spectrum varies from 11.9% to 23.1% with location 2 highly underutilized while location 4 is slightly utilized. Only 17.9% of the spectrum is used on average across all locations, according to the average duty cycle. This means that the spectrum is not

being used effectively at the time and place of measurement. As a result of the low consumption shown by low occupancy, a major portion of the spectrum is underutilized as at the time of the measurement, and so there is ample opportunity for the deployment of new wireless technology applications in the examined band.

Paper [12] quantitatively examined the economic advantage of the BTS co-location scheme over the standalone system in terms of energy conservation, environmental preservation, and cost per BTS reduction via facility optimization. A survey study, measurement, and evaluation were conducted around the study area to measure and evaluate the benefits of BTS co-location over the standalone system in terms of energy conservation, environmental safety, and economic benefits. Results revealed that about 50% of power was conserved through co-location; the average emission per BTS in the co-located scheme is far below than is obtainable in the standalone system, and the average cost per BTS is significantly optimized as unnecessary duplication of some site facilities is eliminated. It is thus concluded that co-location scheme conserves energy, saves costs, and serves as a means of avoiding unnecessary duplication of infrastructure and proliferation of BTS. This work, therefore, recommends implementation of BTS co-location anywhere it is feasible.

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Funmilola Margaret ADEAGBO

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Date