



CURRICULUM VITAE

1. **POST APPLIED FOR:**
2. **FULL NAMES:** SHOEWU, OLUWAGBEMIGA OMOTAYO
3. **DATE OF BIRTH and PLACE OF BIRTH:** 20TH JUNE, 1966, Lagos Island
4. **NATIONALITY:** NIGERIA
5. **STATE OF ORIGIN:** LAGOS
6. **MARITAL STATUS:** MARRIED (Four Children)
7. **NUMBER and AGES OF CHILDREN:** (Four Children) 17, 15, 11, 8
8. **PERMANENT ADDRESS:** FLAT A50, LASU STAFF QUARTERS,
EPE CAMPUS, EPE, LAGOS. NIGERIA
9. **CURRENT POSTAL ADDRESS:** P.O.BOX 1920, YABA, LAGOS.

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10. SCHOOL ATTENDED WITH DATES

C.M.S. GRAMMAR SCHOOL, BARIGA	1980-1985
LAGOS STATE UNIVERSITY, OJO	1986-1991
UNIVERSITY OF LAGOS AKOKA	1994-1995
OLABISI ONABANJO UNIVERSITY, AGO IWOYE	2007 – 2008
MICHAEL OKPARA UNIVERSITY OF AGRICULTURE, UMUDIKE	2016 - 2021

11. ACADEMIC QUALIFICATIONS WITH DATES

WEST AFRICAN SCHOOL CERTIFICATE	1985
BACHELOR OF SCIENCE DEGREE ENGINEERING	1991
MASTER OF SCIENCE DEGREE ENGINEERING	1995
POSTGRADUATE DIPLOMA IN EDUCATION	2009
DOCTOR OF PHILOSOPHY	2021

12. RESEARCH IN PROGRESS

1. MICROPROCESSOR BASED C-CAUTION
2. MICROPROCESSOR BASED WISP DEVICE
3. DEVELOPMENT OF A MICROCONTROLLER BASED AUTOMATIC GATE
4. PERFORMANCE EFFICIENCY OF BROADCASTING TRANSMITTER PARAMETERS
5. A CRYPTOGRAPHIC SOLUTION TO CAMPUS ELECTION PROBLEMS
6. AN IMPROVED CRYPTOGRAPHIC VOTING PROTOCOL
7. A RELIABILITY ASSESSMENT OF BROADCAST TRANSMITTER (VON AS CASE STUDY)
8. STATISTICAL ANALYSIS OF PATHLOSS DATA OVER LAGOS METROPOLIES
9. MOBILE COMMUNICATION NETWORKS: THE JOURNEY SO FAR

10. SOVING CONGESTION PROBLEMS IN A DEVELOPING ECONOMY
11. TELETRAFFIC ANALYSIS FOR GSM SYSTEMS IN LAGOS STATE
12. MODELLING AND MEASUREMENTS OF GSM SIGNAL PROPAGATION IN METROPOLITAN LAGOS
13. PROPAGATION PATHLOSS CHARACTERISATION FOR LAGOS CELLULAR COMMUNICATIONC ENVIRONMENT
14. CELLULAR MOBILE PATHLOSS DEVELOPMENT USING FUZZY LOGIC
15. APPLICATION OF OKUMURA-HATA PROPAGATION MODEL IN LAGOS SUBURBAN ENVIRONMENT
16. HEURISTIC PATHLOSS PREDICTION IN DEVELOPING WIRELESS COMMUNICATION
17. PATHLOSS CORRECTION FACTOR IN FRINGE AREA OF EJINRIN IN LAGOS
18. MEASUREMENTS AND ANALYSIS FOR GSM SIGNALS THROUGH NIGERIAN VEGETATION AT 1.8GHZ
19. EFFECT OF RADIO WAVE PROPAGATION IN RURAL AND SUBURBAN AREAS
20. A SIMPLIFIED PREDICTIVE PATHLOSS MODEL IN MACROCELLULAR ENVIRONMENT
21. PREDICTION OF SEASONAL PATHLOSS MODELS FOR LAGOS NIGERIA
22. A NEW APPROACH TO PATHLOSS DETERMINATION IN LAGOS STATE
23. STATISTICAL VERIFICATION OF PERFORMANCE OF GSM SIGNALS IN SUBURBAN ENVIRONMENT
24. LINEAR REGRESSION ANALYSIS OF OUTGOING CALL QUALITY IN EPE AREA
25. TRANSMODIFICATION OF GSM SIGNALS INTO ELECTRIC CURRENT
26. A CRITICAL APPRAISAL OF PATHLOSS IN DEVELOPING ENVIRONMENT
27. SIMULATION MODEL FOR THE AUTOMATIC GATE
28. A FUZZY BASED AUTOMATIC GATE
29. MONTE CARLO SIMULATION OF PATHLOSS IN SUBURBAN AREAS
30. TRISECTOR CELL ANALYSIS FOR NIGERIAN CDMA CELLULAR MOBILE COMMUNICATION
31. A SIMPLE EXPERIMENTAL PATHLOSS MODEL FOR GSM 900MHZ
32. SPATIAL ANALYSIS OF GSM SIGNAL STRENGHT IN WIRELESS COMMUNICATIONS
33. MODELLING DISMEMBERED GSM SIGNALS IN SUBURBAN AREAS
34. FUZZY REGRESSION PATHLOSS MODEL FOR 1.8GHZ MOBILE COMMUNICATION
35. PARAMETRIC ANALYSIS OF CDMA BASED WIRELESS COMMUNICATION IN A MACROCELLULAR ENVIRONMENT
36. CELLULAR DROPPED CALL PROBABILITY IN SUBURBAN AREAS
37. ON THE VALIDITY OF PATHLOSS MODEL USING FUZZY ANALYSIS
38. PERMISSIBLE FUZZY INFERENCE RULE PATH LOSS DEVELOPMENT IN MTROPOLITAN ENVIRONMENT
39. TERRAIN ANALYSIS FOR PATH LOSS IN MOBILE COMMUNICATIONS
40. SIAMESE PATH LOSS DEVELOPMENT IN METROPOLITAN TERRAIN
41. MODERN PATH LOSS DEVELOPMENT USING ANFIS
42. FUZZY-LIKE PATH LOSS MODELS IN METROPOLITAN LAGOS
43. PATH LOSS COMPUTATION IN CLUSTER BASE STATIONS
44. EFFECTIVE AND ACCURATE PATH LOSS MODEL DEVELOPMENT FOR LAGOS CITY ENVIRONS
45. COMPARATIVE EVALUATION OF PATH LOSS MODELS IN METROPOLITAN ENVIRONMENT
46. A FUZZY ANALYSIS OF PATH LOSS IN WIRELESS COMMUNICATION
47. EFFECT OF RMSE ON PATH LOSS IN LAGOS METROPOLIS
48. COMPARATIVE STUDIES OF PATHLOSS IN SEVEN IDENTIFIED URBAN NETWORKS
49. FUZZY BASED PATHLOSS DETERMINATION IN DENSELY POPULATED ENVIRONMENT

50. RADIO COVERAGE PREDICTION FOR GSM SIGNAL PROPAGATION IN VEGETATIVE REGIONS OF LAGOS
51. ACCURATE EVALUATION ANALYSIS OF FUZZY BASED PATHLOSS IN METROPOLITAN LAGOS
52. ROBUST AND EFFICIENT DEVELOPMENT OF A STANDALONE FINGERPRINT ATTENDANCE DEVICE
53. AD-INITIO AND FIRST PRINCIPLES DETERMINATION OF PATHLOSS IN MOBILE COMMUNICATION.
54. RECENT RESULTS ON ADAPTIVE FUZZY LOGIC ANALYSIS OF PATHLOSS
55. A REVIEW OF RECENT RESULTS ON 4GLTE NETWORKS IN LAGOS NIGERIA
56. THREE-DIMENSIONAL ANALYSIS OF PATHLOSS MEASUREMENTS IN 4GLTE NETWORKS
57. EXPERIMENTAL PATHLOSS MODELS FOR GSM-2100 PERFORMANCE IN METROPOLITAN LAGOS.
58. ROBUST REGRESSION COMPUTATION IN A GSM ENVIRONMENT
59. GENERALISED ADDITIVE MODEL FOR WIRELESS COMMUNICATIONS
60. SEMIPARAMETRIC REGRESSION OF HANDOVER IN A CLASSIFIED TERRAIN
61. SIAMESE PATH LOSS DEVELOPMENT IN METROPOLITAN TERRAIN
62. EFFECTIVE AND ACCURATE PATH LOSS MODEL DEVELOPMENT FOR LAGOS CITY ENVIRONS
63. FUZZY-LIKE PATH LOSS MODELS FOR METROPOLITAN LAGOS
64. THE ANALYSIS OF WIRELESS CELLULAR NETWORKS USING DIFFERENT METHODS

PROJECTS AND PUBLICATIONS

PROJECTS

DESIGN AND CONSTRUCTION OF WINDSPEED AND DIRECTION METER

(B.SC PROJECT, LASU 1991)

DESIGN OF A STANDALONE WISP MEASURING DEVICE (M.SC MINI-PROJECT, UNIVERSITY OF LAGOS, 1995)

ANALYSIS OF THE SPIRAL WIRE ANTENNA USING METHOD OF MOMENTS (M.SC RESEARCH PROJECT, UNIVERSITY OF LAGOS, 1995)

DEVELOPMENT OF PATH LOSS PREDICTION MODELS IN OUTDOOR ENVIRONMENTS FOR ENHANCED WIRELESS NETWORK COVERAGE PhD Dissertation, 2021

PUBLICATIONS

1. **O. Shoewu** and F.O. Edeko(1999) "A Heuristic approach for Symmetrizing Generalized Impedance Matrix" **Annals of Engineering Analysis** Vol. 1, No. 1, 37 – 45
2. **O. Shoewu**(2003) "The Fuzziness of fuzzy systems", **Nigerian Journal of Engineering Management**, Vol. 4, No. 2, 13 – 18
3. **O. Shoewu** (2003) "Recent Advances in Bluetooth Technology", **Nigerian Journal of Engineering Management** Vol. 4, No. 4, 39 – 48
4. **O. Shoewu**, (2003) "A Critical Survey of the Short Message service within GSM" **Nigeria Society of Engineers, 2003, National Conference of the Electrical Division, 2nd October – 3rd October, 2003 pg S7 – S15**
5. **O. Shoewu** (2004) "Cyberchurch Technology", **Journal of Engineering Applications**, Vol. 4, No. 1, 44 – 51
6. **O. Shoewu and L.I. Oborkhale** (2005) "A Heuristic Electronic Voting protocol" **Nigerian Journal of Engineering Management**, Vol. 6, No. 4, 39 – 41
7. **O. Shoewu and O. Badejo** (2005) "Effective Deployment of Biometric Technology and its Economic Importance", **Compendium of Engineering Monographs**, Vol. 2, No. 3, 10 - 16
8. **O. Shoewu, A. Adelekan and A. Oladipupo** (2005) "Ethernet Voice and Data Transmission" **Journal of Engineering Research and Development**, Vol. 2, No. 1, 13 -20

9. **O. Shoewu and O. T Baruwa (2005)** “Development of a microprocessor based Automatic Gate”[Nigerian Journal of Industries and Systems Studies, Vol. 4, No. 3, 36 - 52](#)
10. **O. Shoewu and O. T Baruwa (2005)** “Design of a microprocessor based Automatic Gate”[Pacific Journal of Science and Technology, Vol. 7, No. 1, 31 – 44](#)
11. **O. Shoewu and O. Badejo (2006)** “Radio Frequency Identification Technology; Development, Application and Security Issues”[Pacific Journal of Science and Technology, Vol. 7, No. 2, 144 – 152](#)
12. **O. Shoewu and A.K. Arolu (2006)** “Cryptographic Voting Protocol for Campus Elections”[Pacific Journal of Science and Technology, Vol. 7, No. 2, 137 – 143](#)
13. **O. Shoewu and O. Badejo (2006)** “Wireless LAN Technology, deployment and Security Issues”[Compendium of Engineering Monographs, Vol. 3, No. 2, 19 – 27](#)
14. **O. Shoewu, O. Badejo, O. T Baruwa and F.O. Edeko (2006)** “Browsing Through the Fourth Generation Mobile Networks”[Compendium of Engineering Monographs, Vol. 3, No. 2, 35 – 40](#)
15. **O. Shoewu, A Adenekan and A. Oladipupo (2006)** “Ethernet Voice and Data Transmission”[Journal of Science and Technology Research, Vol. 5, No. 2, 12 – 19](#)
16. **L.I. Oborhkhale, O. Shoewu, Ojuola, A.O. (2006)** “The Impact of Information and Telecommunication Technology on Effective Education System”[LASU Education Review, Vol. 2, pp 164 – 172](#)
17. **O. Shoewu (2007)** “Evolution of the Fourth Generation Mobile Networks: Trends and Tendencies”[Pacific Journal of Science and Technology, Vol. 8, No. 2, 392 – 397](#)
18. **L.I. Oborkhale and O. Shoewu (2007)** “Power Line Communication Technology”[Pacific Journal of Science and Technology, No. 2, 398 – 404](#)
19. **D.W.S. Alausa and O. Shoewu (2007)** “Requirements for Multimedia Service Quality in Developing Telecommunication Environment”[Proceedings of the Nigerian society of Engineers International Conference, Pg. 271 – 277](#)
20. **O. Shoewu, Olaniyi, O.M, Olaniyan, O.M. and Alausa, D.W.S (2008)** “Reliable Satellite Communications Using Signalling System (SS7)”[Proceedings of Conference at Federal Polytechnic Ilaro, 2008](#)
21. **D.W.S. Alausa, O, Shoewu, Olaniyi, O.M, and Olaniyan, O.M. (2008)** “Factors Affecting GSM Grade of Service in Nigeria”[Proceedings of Conference at Federal Polytechnic Ilaro, 2008](#)
22. **O. Shoewu, Olaniyi, O.M, Olaniyan, O.M. and Alausa, D.W.S (2008)** “A Review of Generations of Mobile Wireless Networks”[Proceedings of Conference at Federal Polytechnic Ilaro, 2008](#)
23. **O. Shoewu (2008)** “Evolution of 4G Mobile Networks: Trends and Tendencies” [Review of Communications, Vol. 61, IEC](#)
24. **O. Shoewu, and O. Ipinnimo (2009)** “Multimedia Communication Systems and Quality of Service Provisions in Telecommunication Networks” [Proceedings of the 3rdInternational Conference on Power and Telecommunications, pg. 88 – 90](#)
25. **O. Shoewu (2009)** “Service Delivery in Multimedia Traffic Communications” [Pacific Journal of Science and Technology, Vol 321 – 325](#)
26. **O. Shoewu (2009)** “Problem Solving Using Programming Language” [Pacific Journal of Science and Technology, Vol. 10, No. 412](#)
27. **O. Shoewu and A. Adedipe (2010)** “Investigation of Radio Wave Propagation models in Nigerian Rural and Suburban Areas” [Journal of Scientific and Industrial Research, Vol 2, No. 1, Sept 2010](#)
28. **O. Shoewu, O.M. Olaniyi and O.M. Ogunleye (2011)** “Design and Development of an Intelligent Variable Power Supply Device” [Journal of Science and Technology, Vol. 12, No. 1, 30 – 37](#)
29. **O. Shoewu and A. Adedipe and F.O. Edeko (2011)** “CDMA network coverage optimization in South-Eastern Nigeria” [American Journal of Scientific and Industrial Research, Vol 2, No. 3, June 2011, pg. 346 - 351](#)

30. **O. Shoewu and F.O. Edeko (2011)** “Microwave Signal Attenuation at 7.2GHz in Rain and Harmattan Weather” **American Journal of Scientific and Industrial Research, Vol 2, No. 3, June 2011, pg. 332 - 345**
31. **O. Shoewu and F.O. Edeko (2011)** “Outgoing Call Quality evaluation of GSM network services in Epe, Lagos State” **American Journal of Scientific and Industrial Research, Vol 2, No. 3, June 2011, pg. 409 - 417**
32. **O. Shoewu and F.O. Edeko (2011)** “Analysis of radio wave propagation in Lagos Environs” **American Journal of Scientific and Industrial Research, Vol 2, No. 3, June 2011, pg. 438 - 455**
33. **O. Shoewu and F.O. Edeko (2011) “Correlation Analysis of outgoing call quality of GSM 900MHz Network Services in Epe, Lagos State” American Journal of Scientific Research, Issue 20, July 2011 pg. 14 – 26**
34. **O. Shoewu and F.O. Edeko (2011)** “Outgoing call quality evaluation of GSM Network Services in Epe, Lagos State” **Global Journal of Engineering and Technology, Vol. 4, No. 2, pg. 267 – 276**
35. **O. Shoewu, O.M. Olaniyi and A. Lawson (2011) “Embedded Computer Based Lecture Attendance Management System” African Journal of Computing and ICT Vol. 4, No. 3, pg. 27 – 36**
36. **O.M. Olaniyi, D.O. Adewunmi, O. Shoewu and O.W. Sanda (2012) “Lecture Attendance system using Radio frequency Identification and Facial Recognition” Computing, Information System and Development Informatics Journal, Vol. 3, No. 2, May, 2012**
37. **O. Shoewu and O.A. Idowu (2012)** “Development of Attendance Management System Using Biometrics” **Pacific Journal of Science and Technology, Vol. 13, No. 1, pg. 300 – 307, May 2012**
38. **O. Shoewu and L.A. Akinyemi (2012) “Service Network Bars in a Campus Environment” Pacific Journal of Science and Technology, Vol. 13, No. 2, pg. 192 – 196, November 2012**
39. **A.A. Ajasa and O. Shoewu (2012) “Exploiting VoIP Telephony in IP-Pbx Solution” Pacific Journal of Science and Technology, Vol. 13, No. 2, pg. 212 – 222, November 2012**
40. **K. Ayanlowo, O. Shoewu, S.O. Olatinwo, T.S. Fadiji and S. Adeyanju (2012) “Conceptual Design and Implementation of a Cloud Computing Platform Paradigm” Journal of Computer Engineering and Intelligent Systems, Vol. 3, No.12, pg. 41 – 52, December 2012**
41. **K. Ayanlowo, O. Shoewu and S.O. Olatinwo (2013) “Automation of Health Record Management Using Some Selected Hospitals in Western Nigeria as a Case Study” International Journal of Computer Science and Engineering Technology, Vol. 4, No.1, pg. 1-10, January 2013**
42. **S.O. Olatinwo, K. Ayanlowo, O. Shoewu, T.S. Fadiji, O.O. Ajani and O. Owolabi (2013) “Development of secured security system for an Automobile Using GSM Technology and Electronic Circuit” International Journal of Electronics and Computer science Engineering, Vol. 2, No.1, pg. 346 – 352**
43. **S.O. Olatinwo, O. Shoewu, O.M. Ishola (2013) “Design and Implementation of a Remote Control Based Automatic Changeover System for a Traffic Light” International Journal of Science and Engineering, Vol. 1, No.1, pg. 9 – 15**
44. **Ishola, O.M., Shoewu, O. and Olatinwo, S.O. (2013) “A Conceptual Design of Analytical Hierarchical Process Model to the Boko Haram Crisis in Nigeria” Information and Knowledge Management Journal, Vol. 3, No.3**
45. **O. Shoewu and S.O. Olatinwo (2013) “Design and Implementation of a Microcontroller Based Automatic Gate” IEEE African Journal of Computing and ICT, Vol. 6 No.1, pg. 21 – 32**
46. **S.O. Olatinwo and O. Shoewu (2013) “Development of an Automated Parking Lot Management System” IEEE African Journal of Computing and ICT, Vol. 6 No.1, pg. 95 – 108**
47. **L.A.O. Akinyemi and O. Shoewu (2013) “Pathloss Models for Vegetational areas in Lagos Environs” International Journal of Engineering research and Technology, Vol. 2, Issue 4, pg. 1041 – 1049**
48. **O. Shoewu and L.A. Akinyemi (2013)** “Reliable Mobility Management in Future Communication Networks” **Research Journal of Computer Systems Engineering, Vol. 4 No.3, pg. 466 – 470**
49. **O. Shoewu and L.A. Akinyemi(2013)** “The Effect of Climate Change on GSM Signal Propagation” **Research Journal of Computer Systems Engineering, Vol. 4 No.3, pg. 471 – 478**

50. [O. Shoewu, L.A. Akinyemi, K.A. Ayanlowo, S.O. Olatinwo and N.T. Makanjuola \(2013\) "Development of a microcontroller Alarm System for Pipeline Vandals Detection" *Journal of Science and Engineering*, Vol. 1, No.2, pg. 133 – 142](#)
51. [O. Shoewu and S.O. Olatinwo\(2013\) "Securing Text Messages Using Elliptic Curve Cryptography and Orthogonal Frequency Multiplexing" *The Journal of Science and Technology*, Vol. 14, No.2, pg. 220 – 227](#)
52. [S.O. Olatinwo, O. Shoewu and O.O. Omitola \(2013\) "Iris Recognition Technology: Implementation, Application and security consideration" *The Journal of Science and Technology*, Vol. 14, No.2, pg. 228 – 233](#)
53. [O. Shoewu, L.A. Akinyemi and N.T. Makanjuola \(2013\) "Design, Development and Simulation of a 2.4GHz Yagi-Uda Antenn" *International Journal of Engineering Science Invention*, Vol. 2, Issue 5, pg. 31– 37](#)
54. [I.O. Awinle, O. Shoewu,L.A. Akinyemi and N.T. Makanjuola \(2013\) "Barriers to Successful Implementation of Shopping Cart Marketing Tool by Livestock farmers in Nigeria" *International Journal of Engineering Science Invention*, Vol. 2, Issue 5, pg. 31– 37](#)
55. [O. Shoewu, O.M. Ishola and S.O. Olatinwo \(2013\) "Empirical Development of a Mobile Health Self System" *Journal of Science and Engineering* Vol. 2, No. 1, pg. 39 – 48](#)
56. [A.A. Ajasa, L.A. Akinyemi, O. Shoewu and A.A. Adenowo \(2014\) "Exploitation of Artificial Neural Networks Approach to Predict Thermal conductivity of Food Products in Nigeria" *American Journal of engineering Research*, Vol. 3, Issue 3, pg. 22 – 29](#)
57. [T. Awode, O. Shoewu, O.M. Ishola and S.O. Olatinwo \(2014\) "Development of a Networked Thumb Print-based Staff Attendance Management System" *American Journal of Engineering Research*, Vol. 3, Issue.3, pg. 121 – 126](#)
58. [O. Shoewu, S.O. Olatinwo and O.O. Omitola \(2014\) "Development of an Electronic Commerce WEB Application" *Journal of Computation in Biosciences and Engineering*, Vol. 1, Issue 1, pg. 1 – 5](#)
59. [O. Shoewu, N.T. Makanjuola and S.O. Olatinwo \(2014\) "Biometric-Based Attendance System: LASU Epe Campus as Case Study" *American Journal of Computing Research Repository*, Vol. 2, No.1, pg. 8 – 14](#)
60. [L.A. Akinyemi, O. Shoewu, N.T. Makanjuola, A.A. Ajasa and C.O. Folorunsho \(2014\) "Design and Development of an Automatic Home Control System Using Mobile Phone" *World Journal of Control Science and Engineering*, Vol. 2, No.1, pg. 6 – 11](#)
61. [M.A. Adedoyin, O.L. Olopade, O. Shoewu and A.O. Ogunlewe \(2014\) "Design and Implementation of Microcontroller Based Calculator" *Journal of Computation in Biosciences and Engineering*, Vol. 1, Issue 2, pg. 1 – 4](#)
62. [O. Shoewu and F.O.Edeko \(2014\) "Propagation Loss Determination in Cluster Based GSM Base Stations in Lagos Environs" *International Transaction of Electrical and Computer Engineers System*, Vol. 2, No.1, pg. 28 – 33](#)
63. [O. Shoewu and S.O. Olatinwo \(2014\) "Investigation of Call Quality in CDMA: Case Study of Two Network Operators in Epe Town, Nigeria" *Journal of Computer Networks*, Vol. 2, No.1, pg. 1– 5](#)
64. [R.A. Ganiyu, O. Shoewu, S.O. Olatinwo and O.O. Omitola \(2014\) "Development of a Microcontroller Based Motor Speed Control System Using Intel 8051" *Journal of Advancement in Engineering and Technology*, Vol. 1, Issue 2, pg. 1 – 6](#)
65. [L.A. Akinyemi, N.T. Makanjuola, O. Shoewu and F.O.Edeko \(2014\) "Evaluation and Analysis of 3G Network in Lagos Metropolitan Area, Nigeria" *International Transaction of Electrical and Computer Engineers System*, Vol. 2, No.3, pg. 81 – 87](#)
66. [S.O. Olatinwo, O. Shoewu and N.T. Makanjuola \(2014\) "Radio Wave Signal Attenuation in a GSM Network \(Epe as a Case Study\)" *The Pacific Journal of Science and Technology*, Vol. 15, No.1, pg. 114 – 124](#)
67. [O.O. Omitola, S.O. Olatinwo and O. Shoewu \(2014\) "Evaluation and Investigation of Throughput and Delay on Ethernet and IP over SD-WAN Technologies using OPNET" *The Pacific Journal of Science and Technology*, Vol. 15, No.1, pg. 125 – 129](#)
68. [O. Shoewu, O.O. Omitola and S.O. Olatinwo \(2014\) "Empirical Study of Discrete Cosine Transform on Image Compression" *Pacific Journal of Science and Technology*, Vol. 15, No.1, pg. 130 – 140](#)
69. [L.A. Akinyemi, N.T. Makanjuola, O. Shoewu and F.O. Edeko \(2014\) "Comparative Analysis of Base Transceiver station \(BTS\) Power Transmission Lines Effects on the Human Body in the Lagos Environs" *IEEE African Journal of Computing and ICT*, Vol. 2, No.2, pg. 33 – 42](#)

70. [L.A. Akinyemi, O. Shoewu, N.T. Makanjuola, A.A. Ajasa, C.O. Folorunso and F.O. Edeko \(2014\) "Design and Development of a Radio Frequency Identification \(RFID\) Based Library Books Security System" IEEE African Journal of Computing and ICT, No.2, pg. 85 – 92](#)
71. [L.A. Akinyemi, O. Shoewu, N.T. Makanjuola, A.A. Ajasa, C.O. Folorunso and F.O. Edeko \(2014\) "Design and Development of a Superheterodyne Frequency Modulation Radio Receiver Using TDA 7000IC \(88MHz – 108MHz\)" IEEE African Journal of Computing and ICT, Vol. 7 No.2, pg. 165 – 172](#)
72. [K. Ayanlowo, O. Shoewu, S.O. Olatinwo, O.O. Omitola, and D.D. Babalola \(2014\) "Development of an Automated Hostel Fee Management System" Journal of Science and Engineering, Vol. 5 No.1, pg. 1 – 10](#)
73. [L.A. Akinyemi, O.O. Shoewu, N.T. Makanjuola, A.A. Ajasa, C.O. Folorunso and R.A. Omogbolahan \(2014\) "Effects and Impacts of Wireless Signal Loss for Subscribers in Lagos State" American Journal of Networks and Communications, Vol. 3 No. 1, pg. 67 – 72](#)
74. [O.J. Ayangbekun, A.S. Olowookere, and O. Shoewu \(2014\) "Two Way Mobile Authentication Security Mechanisms For an E-Service System" SSRG International Journal of Computer Science and Engineering, Vol. 1 No.8, pg. 27 – 31](#)
75. [A.A. Ajasa, O. Shoewu, and P.O. Nwamina \(2014\) "Design and Development of a Mobile Phone Signal Detector" The Pacific Journal of Science and Technology, Vol. 15, No.2, pg. 167 – 172](#)
76. [L.A. Akinyemi, O. Shoewu, O.A. Pinposu, J.O. Emagbetere and F.O. Edeko \(2014\) "Effect of Base Transceiver Station \(BTS\) on Humans in Ikeja Area of Lagos State" The Pacific Journal of Science and Technology, Vol. 15, No.2, pg. 173 – 179](#)
77. [O. Shoewu, L.A. Akinyemi, J.O. Emagbetere and F.O. Edeko \(2014\) "Path Loss in Nigerian Rural Vegetation Area: A Case Study of Igbaraoke, Ondo State" The Pacific Journal of Science and Technology, Vol. 15, No.2, pg. 180 – 187](#)
78. [L.A. Akinyemi, O. Shoewu, N.T. Makanjuola, A.A. Ajasa and C.O. Folorunso \(2014\) "Path Loss Models Analysis For Rural Vegetational Cases in Lagos Environs" Computing, Information Systems, Development Informatics and Allied Research Journal, Vol. 5, No.4, pg. 47 – 60](#)
79. [O. Shoewu, L.A. Akinyemi, and F.O. Edeko \(2014\) "Effect of Climatic Change on GSM Signal in Lagos Metropolitan Terrain" Environment and Earth science, Vol. 1, No.3, pg. 46 – 61](#)
80. [O. Duduyemi, O.O. Shoewu, A.A. Yussouff, and R. Hunyibo \(2015\) "Evaluation of Electricity Generation from Animal Based Microbial Fuel Cell" International Journal of Scientific and Technology Research, Vol. 4, Issue 4, pg. 85 – 90](#)
81. [N.T. Makanjuola, L.A. Akinyemi, O.O. Shoewu and F.O. Ojeyemi \(2015\) "Analysis of Diffraction Losses Using the Geometric Theory of Diffraction \(GTD\) Over Varying Heights" The Pacific Journal of Science and Technology, Vol. 16, No.13, pg. 139 – 146](#)
82. [N.T. Makanjuola, O. Shoewu, L.A. Akinyemi, and A.A. Ajasa \(2015\) "Design and Development of a Microcontroller Based Wattmeter \(MIDIWAT\)" The Pacific Journal of Science and Technology, Vol. 16, No.13, pg. 147 – 158](#)
83. [N.T. Makanjuola, O.O. Shoewu, L.A. Akinyemi, and A.A. Ajasa \(2015\) "Comparative Analysis of GSM Network and IS-95 Network Using Signal Strength" The Pacific Journal of Science and Technology, Vol. 16, No.13, pg. 159 – 172](#)
84. [N.T. Makanjuola, O.O. Shoewu, L.A. Akinyemi, and A.A. Ajasa \(2015\) "Design and Development of Microcontroller Based Level Detector With Graphical Output" The Pacific Journal of Science and Technology, Vol. 16, No.13, pg. 173 – 181](#)
85. [O. Shoewu, O. Duduyemi, and J. Samuel \(2015\) "Design and Development of Microcontroller Based Stadiometer" Journal of Advancement in Engineering and Technology, Vol. 3, Issue 1, pg. 1 – 4](#)
86. [O. Shoewu, A.A. Ajasa, and O.A. Idowu \(2015\) "Development of a BAMS Model for an Academic Institution" Journal of Advancement in Engineering and Technology, Vol. 3, Issue 3, pg. 1 – 5](#)
87. [O. Shoewu, N.T. Makanjuola, A.A. Ajasa, and O.J. Ayangbekun \(2015\) "Design and Implementation of an RFID Based Automatic Students Attendance System R-BASAS" Journal of Advancement in Engineering and Technology, Vol. 3, Issue 2, pg. 1 – 6](#)
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121. **O.O. Shoewu, N.T. Makanjuola, L.A Akinyemi (2018)** "Smart Attendance Management System (SAMSYS) for an Academic Institution" *Data Research* vol 2, pg 120-131.
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141. **O.O. Shoewu, O.J Ayangbekun and I.S. Lamina (2021)** *"Design and Implementation of Health-Based Emergency Reporting Mobile Application"* Engineering and Technology Research Journal, Vol. 6. Issue 1, pg. 9 – 21
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CONFERENCES ATTENDED WITH CONFERENCE PAPERS

1. **O. Shoewu**, “A Critical Survey of the Short Message service within GSM” **Nigeria Society of Engineers, 2003, National Conference of the Electrical Division, 2nd October – 3rd October, 2003 pg S7 – S15**
2. **O. Shoewu and D.W.S. Alausa** “Browsing through the Fourth Generation Mobile Networks” **International conference and workshop on “Third Generation (3G) GSM and Mobile Computing: An emerging growth engine for national Development at the Covenant University, Ota, in Collaboration with NCC and Huawei Technologifies Co. Nigeria Limited, 29 – 31, January, 2007**
3. **O. Shoewu, Olaniyi, O.M, Olaniyan, O.M. and Alausa, D.W.S (2008)** “Reliable Satellite Communications Using Signalling S (SS7)”**Proceedings of Conference at Federal Polytechnic Ilaro, 2008**
4. **D.W.S. Alausa, Shoewu, Olaniyi, O.M, and Olaniyan, O.M. (2008)** “Factors Affecting GSM Grade of Service in Nigeria”**Pro Conference at Federal Polytechnic Ilaro, 2008**
5. **O. Shoewu, Olaniyi, O.M, Olaniyan, O.M. and Alausa, D.W.S (2008)** “A Review of Generations of Mobile Wireless Networks”**Proceedings of Conference at Federal Polytechnic Ilaro, 2008**
6. **O. Shoewu, and O. Ipinnimo (2009)** “Multimedia Communication Systems and Quality of Service Provisions in Telecommunic Networks” **Proceedings of the 3rdInternationl Conference on Power and Telecommunications, pg. 88 – 90**
7. **Segun O. Olatinwo, A. O. Okewale, Kola Ayanlowo, Joseph Odiete, O. Shoewu**, “Towards the Development of a Robust Fac System for Internet Transaction”, **presented at the First National Conference of Engineering, MoshoodAbiola Polytechnic, Nigeria, November 6-8, 2012.**
8. **A.O. Okewale, Joseph Odiete, SegunOlatinwo, O. Shoewu, Kola Ayanlowo**, “Motor Speed Control Based System using Microcontroller”, **presented at the First National Conference of Engineering, MoshoodAbiola Polytechnic, Abeokuta, Nigeria, November 6-8, 2012.**
9. **Shoewu, O. and Olatinwo, Segun O.**, “Development of an Automatic Lecture Attendance Management System”, **presented at the First National Conference of Engineering, MoshoodAbiola Polytechnic, Abeokuta, Nigeria, November 6-8, 2012.**
10. **Kola Ayanlowo, O. Shoewu, SegunOlatinwo, Joseph Odiete, A. O. Okewale**, “Towards Improving fall in Academic Standar Engineering Education in Nigerian Polytechnics”, **presented at the First National Conference of Engineering, MoshoodAbiol Polytechnic, Abeokuta, Nigeria, November 6-8, 2012**
11. **O.M. Ishola, O.Shoewu, and S.O. Olatinwo (2013)** “Conflict resolution Using Analytical Hierarchical Process”**Proceedings of 1stInternationl Conference on iSTEAMS Research NEXUS Conference, University of Ibadan, May 30th – June 1st, 2013 pg**
12. **L.A. Akinyemi, N.T. Makanjuola, O. Shoewu and F.O. Edeko (2014)** “Analysis of Base Transceiver Station (BTS) and Powe Transmission Lines Effects on the Human Body in Lagos Environs”**Proceedings of the Internationl Conference on iSTEAMS NEXUS Conference, AFE BABALOLA University, May 29th – May 31st, 2014 pg. 737 - 748**

BOOKS PUBLISHED

1. FUNDAMENTALS OF ELECTROMAGNETIC THEORY
2. UNDERSTANDING COMPUTER GRAPHICS
3. INTRODUCTION TO COMPUTER STUDIES
4. INTRODUCTION TO COMPUTER APPLICATIONS
5. FUNDAMENTALS OF ELECTRICAL ENGINEERING

13. PRESENT/PREVIOUS WORKING EXPERIENCE WITH DATES

KADUNA STATE POLYTECHNIC (LECTURER 11)	1992-1993
KADUNA POLYTECHNIC (PART-TIME LECTURE)	1992-1993

RELIANCE SYSTEMS LIMITED (COMPUTER ENGR.)	1993-1994
DATA SOLUTIONS LIMITED (SNR COMPUTER ENGR)	1995-1996
LAGOS STATE UNIVERSITY (ASST. LECTURER)	1997- 2000
LAGOS STATE UNIVERSITY (LECTURER 11)	2000-2004
LAGOS STATE UNIVERSITY (LECTURER 1)	2004-2019
LAGOS STATE UNIVERSITY (SENIOR LECTURER)	2021- DATE

14. EXTRA CURRICULUM ACTIVITIES

- (a) Reading
- (b) Footballing

EXTERNAL ASSIGNMENTS

A. EXTERNAL EXAMINER TO THE FOLLOWING INSTITUTIONS

1. DEPARTMENT OF ELECTRICAL ENGINEERING,
FEDERAL POLYTECHNIC, ILARO
2. DEPARTMENT OF COMPUTER ENGINEERING,
GATEWAY ICT POLYTECHNIC,
ERUKU, ITORI-EWEKORO
3. DEPARTMENT OF COMPUTER ENGINEERING,
GATEWAY ICT POLYTECHNIC,
IJEBU IGBO, OGUN STATE
4. DEPARTMENT OF COMPUTER ENGINEERING,
OGUN STATE INSTITUTE OF TECHNOLOGY,
IGBESA, OGUN STATE
5. DEPARTMENT OF COMPUTER ENGINEERING,
LAGOS STATE POLYTECHNIC,
IKORODU, LAGOS STATE.

B. JOURNAL REVIEWER

1. IET ELECTRONIC LETTERS
2. AMERICAN JOURNAL OF SCIENTIFIC AND IND. RESEARCH

COURSES LECTURED

1.	ECE 824	(M.Sc Course)	COMPUTER GRAPHICS
2.	ECE 705	(PGD Course)	ENGINEERS N THE DEV. OF THE SOCIETY
3.	ECE 711	(PGD Course)	ELECTROMAGNETIC THEORY
4.	ECE 528	UNDERGRADUATE	COMPUTER ASSISTED APPLICATIONS
5.	ECE 526	UNDERGRADUATE	IMAGE PROCESSING
6.	ECE 517	UNDERGRADUATE	OPTIC FIBRE TECHNOLOGY
7.	ECE 514	UNDERGRADAUTE	RELIABILITY AND MAINTENANCE

8.	ECE 412	UNDERGRADUATE	COMPUTER GRAPHICS
9.	CSC 414	UNDERGRADUATE	SYSTEM ENGINEERING
10.	CSC 410	UNDERGRADUATE	OPERATING SYSTEM 2
11.	CSC 310	UNDERGRADUATE	OPERATING SYSTEM 1
12.	ECE 324	UNDERGRADUATE	ELECTROMAGNETIC THEORY & WAVES
13.	ECE 328	UNDERGRADUATE	ELECTRICAL MACHINES
14.	ECE 317	UNDERGRADUATE	COMPUTER ARCHITECTURE
15.	ECE 312	UNDERGRADUATE	ELECTRIC CIRCUIT THEORY
16.	ECE 212	UNDERGRADUATE	FUNDAMENTALS OF ELECTRICAL ENGRG
17.	ECE 211	UNDERGRADUATE	PROGRAMMING LANGUAGES
18.	ECE 121	UNDERGRADUATE	INTRODUCTION TO COMPUTER STUDIES
19.	DCT 214	DIPLOMA	COMPUTER REPAIRS AND MAINTENANCE
20.	DCT 217	DIPLOMA	INTRODUCTION TO TELECOMMUNICATIONS
21.	ECE 214	UNDERGRADUATE	ELECTRICAL DRAWING & DRAFTING
22.	CSC 522	UNDERGRADUATE	SOFTWARE ENGINEERING
23.	ECE 708	POSTGRADUATE	CONTROL ENGINEERING
24.	ECE 722	POSTGRADUATE	ENTREPRENEUSHIP, MANAGEMENT & LAW
25.	ACC 706	POSTGRADUATE	MANAGEMENTINFORMATION SYSTEM
26.	ECE 811	POSTGRADUATE	ADV. COMPUTATIONAL TECHNIQUES

COURSES LECTURED OUTSIDE THE UNIVERSITY

INTRODUCTION TO TELECOMMUNICATIONS (FEDERAL UNIVERSITY OF TECHNOLOGY AKURE PGD PROGRAMME)

PROJECT SUPERVISION

I HAVE COORDINATED THE POSTGRADUATE PROGRAMMES (PGD AND M.Sc) AT THE DEPARTMENT OF ELECTRONIC AND COMPUTER ENGINEERING LAGOS STATE UNIVERSITY. I SUPERVISE PROJECTS AT THE DIPLOMA, UNDERGRADUATE, POSTGRADUATE DIPLOMA AND MASTERS LEVEL, AND ALL HAS BEEN SUCCESSFUL. ALSO HOD, COMPUTER SCIENCE PROGRAM LASU PART-TIME PROGRAM LEKKI CAMPUS AND COMPUTER SCIENCE PROGRAM LASU PART-TIME PROGRAM IKORODU CAMPUS

ADMINISTRATIVE RESPONSIBILITY

I WAS EXAMINATION OFFICER FOR THE ELECTRONIC AND COMPUTER DEPARTMENT FOR FIVE YEARS AND ALSO A MEMBER OF VARIOUS COMMITTEES. I WAS ACTING HEAD OF DEPARTMENT IN 2015/2016 ACADEMIC SESSION.

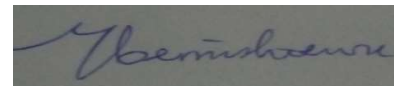
PROFESSIONAL QUALIFICATION

MEMBER NIGERIAN SOCIETY OF ENGINEERS	(9036)
MEMBER COMPUTER ASSOCIATION OF NIGERIA	(001345)
MEMBER, INST. OF ELECT.AND TECHNOLOGICAL ENGINEERS	(34948130)
MEMBER, INST. OF ELECTRICAL AND ELECTRONICS ENGINEERS	(90386741)
MEMBER, NIGERIAN INSTITUTION OF ENGINEERING MANAGEMENT	(0218)

MEMBER, NIGERIAN INSTITUTION OF MANAGEMENT	(31917)
MEMBER, INTERNATIONAL ASSOCIATION OF ENGINEERS	(64339)
MEMBER, INTER. SOCIETY FOR DEV. AND SUSTAINABILITY	(140200)
MEMBER, COMPUTER PROFESSIONALS OF NIGERIA	(640)
MEMBER, INTERNATIONAL COMPUTER SCIENCE & ENRG SOCIETY	(1748)
MEMBER, INTER. ASSOC. OF COMPUTER SCIENCE & INFO. TECH.	(80348977)
MEMBER, SOCIETY OF DIGITAL INFORMATION & WIRELESS COMM.	(21915)
MEMBER, MIDDLE EAST ASSOC. OF COMPUTER SCI. & ENGINEERING	(2340)
REGISTERED ENGINEER, COREN	(9222)

16. REFEREES

- 1. ENGR. PROFESSOR L.I. OBORKHALE**
DEPARTMENT OF ELECTRICAL/ELECTRONICS ENGINEERING,
FACULTY OF ENGINEERING, FEDERAL UNIVERSITY OF AGRICULTURE, UMUDIKE.
- 2. ENGR. PROFESSOR N.A. RAJI**
DEPARTMENT OF MECHANICAL ENGINEERING,
LAGOS STATE UNIVERSITY, EPE CAMPUS, LAGOS STATE.
- 3. ENGR. (Dr) O. DUDUYEMI**
Associate Professor
DEPARTMENT OF CHEMICAL AND POLYMER ENGINEERING
LAGOS STATE UNIVERSITY, EPE CAMPUS, LAGOS STATE.



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Signature