**I. PERSONAL DATA**

(a) **NAME:** OYELAKIN, Akinyemi Moruff

(b) **DATE OF BIRTH:** 22nd February, 1980

(c) **CURRENT PSOTAL ADDRESS:** Department of Computer Science, Al-Hikmah University, Ilorin, Nigeria.

(d) **MARITAL STATUS**: Married

(e) **TEL. AND EMAIL ADDRESS**: +2348062748520, moyelakin80@gmail.com

(f)  **DATE OF FIRST APPOINTMENT:** 26th October, 2015

(g) **DATE OF CONFIRMATION OF APPOINTMENT:** 27th November, 2017

(h) **STATUS OF FIRST APPOINTMENT:** Regular

(i) **DATE OF LAST PROMOTION:** 1stOctober, 2018

(j) **PRESENT STATUS AND INSTITUTION**: Lecturer II, Al-Hikmah University, Ilorin

(k) **POST APPLIED FOR**: Senior Lecturer

(l) **DEPARTMENT/UNIT**: Computer Science

(l) **FACULTY**: Natural and Applied Sciences

(m) **RESEARCH** **LINKs**: (i) <https://www.researchgate.net/profile/Akinyemi_Oyelakin>

(ii) <https://orcid.org/0000-0003-2844-4837>

(iii)

**II. INSTITUTIONS ATTENDED WITH DATES**

1. University of Ilorin, Ilorin Oct. 2016- 2021
2. Al-Hikmah University, Ilorin 2016-2017
3. University of Lagos, Akoka, Lagos 2011-2014
4. University of Ilorin, Ilorin 2003-2006
5. Federal Polytechnic, Offa 1999-2002
6. Basorun Ojoo High School, Ibadan 1991-1996

**III. ACADEMIC AND PROFESSIONAL QUALIIFICATIONS (**with dates and granting bodies):

|  |  |  |  |
| --- | --- | --- | --- |
| **S/N** | **QUALIFICATION** | **DATE** | **GRANTING BODIES** |
| a | PhD Computer Science | Oct., 2016 – 28th Sep. 2021 | University of Ilorin, Ilorin, Nigeria |
| b. | Post Graduate Diploma in Education (PGDE) | September, 2017 | Al-Hikmah University, Ilorin, Nigeria |
| c. | Master of Science (M.Sc.) | June, 2014 | University of Lagos, Akoka, Nigeria |
| d. | Bachelor of Science (B.Sc.) (Second Class Upper) | September, 2006 | University of Ilorin, Ilorin, Nigeria |
| e. | IBM Master of Application Security | July 2017 | IBM West Africa |
| f. | Microsoft Certified Server Administrator (MCSA) | 2010 | Microsoft Corporation, USA |
| g. | Microsoft Certified Professional (MCP) | 2009 | Microsoft Corporation, USA |
| h. | National Diploma in Computer Science (Distinction Classification) | 2002 | Federal Polytechnic, Offa, Nigeria |

**IV. SCHOLARSHIPS, PRIZE AND FELLOWSHIPS**

2019-2020Jim Ovia-NCS PhD Computer Science Scholarship Award Winner

2020 PhD Staff Development Grant, Al-Hikmah University, Ilorin, Nigeria

2019 PhD Staff Development Grant, Al-Hikmah University, Ilorin, Nigeria

2002 Best Graduating student in ND Computer Science (National Diploma-3.52/4.00)

Federal Polytechnic, Offa, Kwara State, Nigeria

**V. HONOURS, DISTINCTIONS AND MEMBERSHIP OF LEARNED SOCIETIES**

Member, Nigeria Computer Society (NCS) - **MEMBERSHIP NUMBER**: 10171

Member, International Association of Engineers- **MEMBERSHIP NUMBER**: 288056

Member, Internet Society-**MEMBERSHIP NUMBER**: 2240745

Certificate of Merit Award, Muslim Corpers’ Association of Nigeria (MCAN), Bayelsa State Branch, February 2008

Certificate of Service and Merit Award, Federation of Ibadan Students’ Union (FIBSU), University of Ilorin Chapter, August 2006

**VI. LENGTH OF TEACHING:** 13 Years

**VII. EXPEREINCE SINCE BASIC QUALIFICATION:** 13 years

1. **Centre for Open and Distance Learning, University of Ilorin, Ilorin Nigeria.**  January, 2021 – Date (Part Time)
2. **Department of Computer Science, Al-Hikmah University, Ilorin, Nigeria.**  January, 2020 – Date (Full Time)
3. **Computer Science Unit, Department of Science Education, Al-Hikmah University, Ilorin, Nigeria.**  October, 2015 – January 2020 (Full Time)
4. Adjunct Lecturer, SandwichProgramme**, Department of Science Education, Al-Hikmah University, Ilorin, Nigeria.**  July 2017- Date
5. **Institute of Education, University of Ilorin, Ilorin** B.Sc. (Ed) Computer Science Sandwich Programme 2017-Date (Part Time)
6. **Allover Central Polytechnic, Ota, Ogun State, Nigeria**  (Full Time)

Ag. HOD/Senior Lecturer, Department of Computer Science, 2014 –2015

Faculty of Science and Technology

1. **Abraham Adesanya Polytechnic**, Iyana Ipaja Study Centre, Lagos 2012-2014 (Part Time)
2. **Institute of Aviation and Maritime Studies,** LagosApril2008- March 2012 (Part Time)
3. **Dana Airlines, Ltd, Ikeja, Lagos,** IT and Solutions Support Officer2009-2012
4. **GPR Oil Servicing Limited, Ilupeju Lagos-** IT Desk OfficerSep2008-2009
5. **Arek Technologies, Adeniyi Jones Avenue, Ikeja, Lagos** Software Support OfficerApril 2008-Aug 2008
6. Computer Science Unit, **Planning Research and Statistics Department, Bayelsa UBE Board, Okolobiri-Yenagoa**  2007-2008

**VIII. RESEARCH INTERESTS:** Information Security, Mobile Computing and Data Analytics

1. **COURSES TAUGHT** (In the last four years)
2. **At the undergraduate Level**

|  |  |  |  |
| --- | --- | --- | --- |
| S/N | Session | Course Code | Course Title |
| 1. |  | CMP201, CYB305, CYB309  CYB403 | Computer Programming I(3)  Biometric Security(2)  Systems Security(2)  Vulnerability Assessment and Penetration Testing (3) |
| 2 | 2020/2021 | CMP201, CYB305, CYB309  CYB403  CYB417  CMP102  SEN102  CMP204  CMP332 | Computer Programming I(3)  Biometric Security(2)  Systems Security(2)  Vulnerability Assessment and Penetration Testing (3)  Strategies for securing Web Applications and Social networks (2)  Introduction to Problem Solving (3)  Principles of Programming I (3)  Fundamentals of Data Structure (3)  Survey of Programming Languages (2) |
| 3 | 2019/2020 | CMP 101  CMP 102  SEN 102  SEN 204  CMP 332  CMP 205  CMP401  CMP411 | Introduction to Computer Science (3)  Problem Solving (3) 2018/2019  Principles of Programming I (3)  Logic and its Applications in Computer Science (2)  Survey of Programming Languages (2) 2019/2020  Operating System I (3)  Organisation of Programming Languages(3)  Artificial Intelligence |
| 3 | 2018/2019 | CMP102  CMP202  CMP201  CMP208  CMP301  CMP401 | Problem Solving (3)  Computer Programming II (3)  Computer Programming I (3)  Discrete Structures (3)  Structured Programming (3)  Organisation of Programming Languages(3) |

1. **At the Post Graduate Level :**
2. Teaching Assistant, University of Ilorin, Ilorin, Nigeria PDC 709- Set, Logic and Algebra 2017-2020
3. Al-Hikmah University, Ilorin, Nigeria – CMP 705- Operating System

2020- Date

**X PUBLICATIONS**

1. **THESES/PROJECTS**
2. Improved Ensemble Machine Learning-Based Models for Botnet Classification in High Imbalance Real-Life Netflow Traces, an unpublished Thesis submitted for the award of Ph.D Degree in Computer Science, University of Ilorin, Ilorin, Nigeria, 2021
3. Optimizing GSM Network Planning Using Particle Swarm Optimization, an unpublished Thesis submitted for the award of M.Sc. Degree in Computer Science, University of Lagos, Akoka, Lagos, Nigeria, 2014
4. Design and Implementation of a custom Geographical Information System (GIS) for University of Ilorin, an unpublished Project for the award of B.Sc. Degree in Computer Science, University of Ilorin, Ilorin, Nigeria, 2006
5. Design and Implementation of Stock Management System using Vita Foam, Lagos as a case study, an unpublished Project for the award of National Diploma in Computer Science, Federal Polytechnic, Offa, Nigeria, 2002
6. **AUTHORED AND CO-AUTHORED BOOKS:** None
7. **EDITED AND CO-EDITED BOOKS:** None
8. **PUBLISHED JOURNAL ARTCLES**
9. **Oyelakin A. M**., Olatinwo I. S., Rilwan D. M.,Azeez R. D. & Obiwusi Y. K (2021). Investigation into the Performances of Supervised Learning Algorithms in different Phishing Datasets, *Pakistan Journal of Engineering Technology and Science (PJETS),* 9(2), 24-32
10. **Oyelakin A. M**., Alimi M. O., Mustapha I.O. & Ajiboye I. K. (2021). Analysis of Single and Ensemble Machine Learning Classifiers for Phishing Attacks Detection (2021). *International Journal of Software Engineering and Computer Systems*, [View of ANALYSIS OF SINGLE AND ENSEMBLE MACHINE LEARNING CLASSIFIERS FOR PHISHING ATTACKS DETECTION (ump.edu.my)](https://journal.ump.edu.my/ijsecs/article/view/6453/1578), 7(2), 44-49
11. **Oyelakin A. M.,** Muhammad-Thani S., Salau-Ibrahim T. T., Rilwan D. M. (2021). Performance Analysis of Selected Machine Learning Algorithms for the Detection of Cervical Cancer Based on Behavioral Risk Dataset, *International Journal of Information Security, Privacy and Digital Forensics (IJIS), a Journal of Nigeria Computer Society* , available at: https://library.ncs.org.ng/journal-of-information-security-privacy-and-digital-forensic-volume-5-no-1-june-2021/
12. **Oyelakin A.M.** & Jimoh R.G. (2021), A Survey of Feature Extraction and Feature Selection Techniques Used in Machine Learning-Based Botnet Detection Schemes, VAWKUM Transactions on Computer Sciences, 9 (2021),1-7, available at https://vfast.org/journals/index.php/VTCS/article/view/604/658
13. **Oyelakin A. M**., Agboola R.O., Abdullah F. and Yusuf S.A. (2021). Students’ Perception Towards the Design of Custom Computer Aided Instruction Solution for Teaching and Learning of Undergraduate Physics, *Amity Journal of Computational Sciences*, *Amity University, India*, 4(2) , available at https://amity.edu/UserFiles/aijem/1432.pdf
14. **Oyelakin A. Moruff** (2021). A Random Forest Classifier for the Classification of Breast Cancer, *Daffodil International University (DIUJST) Journal of Science and Technology*, 16(2),1-5, available at [dspace.daffodilvarsity.edu.bd:8080/bitstream/handle/123456789/5936/DIUJST-137-FinalManuscript.pdf?sequence=1&isAllowed=y](http://dspace.daffodilvarsity.edu.bd:8080/bitstream/handle/123456789/5936/DIUJST-137-FinalManuscript.pdf?sequence=1&isAllowed=y)
15. Rilwan Dauda Magaji**, Oyelakin A. Moruff**, Usman Mohammed Abubakar (2021). Design and Implementation of a Custom, Web-Based Cooperative Loan Application Management System (A Case Study of ASCHIRT Cooperative), *Equity Journal of Science and Technology, a Tetfund-funded Journal of Kebbi State University, Aliero, Kebbi State, 8(1), 1-7, available at* [14-1608654091.pdf (ejmanager.com)](https://www.ejmanager.com/mnstemps/14/14-1608654091.pdf?t=1640347493)
16. **Oyelakin A. Moruff**, Alimi O. Maruf, & Abdulrauf Tosho (2020).Performance Analysis of Selected Machine Learning Algorithms for the Classification of Phishing URLs, *Journal of Computer Science and Control Systems*, 13(2), 16–19 , available at [https://electroinf.uoradea.ro/images/articles/CERCETARE/Reviste/JCSCS/JCSC\_V13\_N2\_oct2020/JCSCS VOL 13 NO 2 OCTOBER 2020 Oyelakin\_Performance.pdf](https://electroinf.uoradea.ro/images/articles/CERCETARE/Reviste/JCSCS/JCSC_V13_N2_oct2020/JCSCS%20VOL%2013%20NO%202%20OCTOBER%202020%20Oyelakin_Performance.pdf)
17. **Oyelakin A. M.** , Salau-Ibrahim T. T., Ogidan B. S., Azeez R. D, & Ajiboye I. K. (2020). Using Machine Learning Techniques for Predicting Covid-19 Cases-An Overview of Evolving Datasets and their Promising Features, *Anale. Seria Informatică. Vol. XVIII fasc. 2 – 2020*
18. **Oyelakin A.M.** & Jimoh R.G. (2020).The Paradigm Shift of Centralised Botnets to Decentralised DGA-Botnets in the Underground Cyber Economy: An Overview, *Journal of Computer Science and Control Systems*, Faculty of Engineering and Computer Science, Oredia University , Romania 13(1), 48-51, available at [https://electroinf.uoradea.ro/images/articles/CERCETARE/Reviste/JCSCS/JCSC\_V13\_N1\_may2020/JCSCS VOL 13 NO 1 MAY 2020 Oyelakin\_The\_Paradigm.pdf](https://electroinf.uoradea.ro/images/articles/CERCETARE/Reviste/JCSCS/JCSC_V13_N1_may2020/JCSCS%20VOL%2013%20NO%201%20MAY%202020%20Oyelakin_The_Paradigm.pdf)
19. **Oyelakin A. M.,** Agboola R. O., Abdullahi F., Yusuf S. A. (2020). A Study on the Comparative Analysis of Manet Routing Protocols in Nomadic Community Scenario, *Amity Journal of Computational Science, Amity University, India, 4 (1), available at* [118Paper 2.pdf (amity.edu)](https://amity.edu/UserFiles/aijem/118Paper%202.pdf)
20. **Oyelakin A.M.** & Jimoh R.G. (2020). Towards Building an Improved Botnet Detection Model in Highly Imbalance Botnet Dataset-A Methodological Framework, *Middle East Journal of Applied Science & Technology*, 3(1), January - March 2020, *available at* [*http://mejast.com/towards-building-an-improved-botnet-detection-model-in-highly-imbalance-botnet-dataset-a-methodological-framework.html*](http://mejast.com/towards-building-an-improved-botnet-detection-model-in-highly-imbalance-botnet-dataset-a-methodological-framework.html)
21. **Oyelakin A.M**., Salau-Ibrahim T.T., Ogidan B.S., Azeez R.D. & Ajiboye I.K. (2019).Peer-to-Peer Botnets: A Survey of Propagation, Detection and Detection Evasive Techniques, *Fulafia Journal of Science and Technology, a Tetfund-funded Journal of Federal University, Lafia, Nassarawa State, Nigeria, 5(3):13-18*
22. **Oyelakin A.M**. (2016). Implementation of ICT-Based Learning Tools in Nigerian Universities: Challenges and Prospects, *Al-Hikmah Journal of Education* 3(1):311-316
23. **Oyelakin A.M**. & Olanrewaju M.J. (2016). Towards a Secure Adoption of Bring Your Own Device (BYOD) Policy in Nigerian Corporate Organisations, *Computing, Information Systems, Development Informatics & Allied Research Journal* 7(3):1-6
24. **Oyelakin A.M**. (2016). Integration of Wireless Connectivity for Classroom Learning: Bluetooth Short Range Communication as an Enabler, *Al-Hikmah Journal of Education* 3(2):355-361
25. **ARTICLES IN CONFERENCE PROCEEDINGS**
26. **Oyelakin A.M. &** Jimoh R.G. (2019**).** A Review on the Identification Techniques for Detection-Evasive Botnet Malware, *in the Proceedings of Nigeria Computer Society (NCS), July 2019 International Conference*
27. **Oyelakin A.M. &** Jimoh R.G. (2018). An Investigation into Packet routing in Mobile Ad-hoc Network using a Nomadic Community Scenario, *in the proceedings of 1st International conference of Faculty of Communication and Information Sciences*, University of Ilorin, Ilorin, Nigeria, April 2018,647-657
28. **Oyelakin A.M.,** Jimoh R.G. (2018). Simulation of Mobile Ad-hoc Network and its Applicability in Academic Scenario, *in proceedings of 10th iSTEAM Multi Disciplinary Conference, February,2018 Conference*, Delta State Polytechnic, Ogwuashi-uku, Delta State, Nigeria,679-687
29. **Oyelakin A.M.,** Jimoh R.G. (2017).Towards Adopting Nomadic Computing to Promote Nomadic Education in Nigeria: An Overview of Technical Issues, *in the proceedings of 11th International Multi-Conference on ICT Applications (AICTTRA*),Obafemi Awolowo University, Ile-Ife, Osun State, Nigeria, AICTTRA 2017, 56-61
30. **Oyelakin A.M.,** Jimoh R.G. (2017). A Survey on Mobility Model, Application Scenario and Simulation of Mobile Ad-Hoc Networks, in the proceedings of *11th International Multi-Conference on ICT Applications (AICTTRA)*, Obafemi Awolowo University, Ile-Ife, Osun State, Nigeria, AICTTRA 2017, 128-134
31. **Oyelakin A. M.** (2014). Spear Phishing Email Attack on Nigerian Bank Account Holders: Online Awareness to the Rescue **,** *in the proceedings of ISTEAM Conference 2014*, Afe Babalola University, Ado Ekiti, Nigeria, 185-188
32. **PUBLISHED CHAPTERS IN EDITED BOOKS:**
33. Jimoh R.G.& **Oyelakin A.M**. (2017). Achieving Knowledge Management Functionalities in the emerging Technology-driven Society using Information Technology, in Abdulsalam N. and Abdulraheem A.M.O. (Eds.), History and Philosophy of Science**,** 165-175.
34. **MONOGRAPHS:** None
35. **TECHNICAL REPORTS:** None
36. **ARTCILES UNDER REVIEW:**

None

1. **JOURNAL ARTCILES AND BOOK CHAPTERS ACCEPTED FOR PUBLCATION**

None

1. **BOOK REVIEWS:** None

**XI. RESEARCH OUTPUT-CONFERENCES, SEMINARS & WORKSHOPS ATTENDED WITH DATES**

1. A-Day Training Workshop on Funding Research and Development, Centre for Research, Industrial Linkage and International Cooperation, Al-Hikmah University, December 2021
2. A-Day Training Workshop on Learning Materials Development, Centre for Open and Distance Learning, Al-Hikmah University, November 2021
3. A-Day Workshop on Instructional Video Production Centre for Open and Distance Learning, University of Ilorin, 2021
4. CRIIC, Al-Hikmah University International Conference, December 2020
5. CRIIC, Al-Hikmah University online webinar on Winning International Research Grants, August, 2020
6. CRIIC, Al-Hikmah University online webinar on Practical Approaches to Strategies on Winning International Research Grants, October, 2020
7. CRIIC, Al-Hikmah University online webinar on Strategies for Winning International Research Grants, September, 2020
8. CRIIC, Al-Hikmah University Workshop on Pedagogy November, 2020
9. A Five-Day Workshop on Courseware Writing, Centre for Open and Distance Learning, University of Ilorin, 2019
10. Faculty of Communication and Information Sciences, University of Ilorin, PhD Research workshop, 2019
11. 1st National Conference of Faculty of Education, Al-Hikmah University, Ilorin April-May 2019
12. 2019 Workshop on IT Research Grants/Business Proposal organized by Nigeria Computer Society-Kwara State Chapter April, 2019
13. 27th National Conference of Nigeria Computer Society (NCS), Ibadan, Nigeria July, 2018
14. 1st International Conference, Faculty of Communication and Information Science, University of Ilorin, Ilorin, Nigeria, April 2018
15. 10th iSTEAM Honour Conference, Delta State Polytechnic, Ogwuashi-uku, Delta State, Nigeria, February 2018
16. A Two-Day Workshop On Pedagogy, Measurement and Evaluation, Al-Hikmah University , Ilorin, February 2018
17. 11th International Multi-Conference on ICT Applications (AICTTRA), Obafemi Awolowo University, Ile-Ife, Osun State, Nigeria, November 2017
18. A 5-Day IBM Application Security Training, University of Ilorin, Ilorin July 2017
19. 26th National Conference of Nigeria Computer Society (NCS), Abuja, Nigeria July 2016
20. 3rd iSTEAM Conference, Afe Babalola University, Ado-Ekiti, Nigeria May, 2014
21. Technical Training on Airline Management System, Dana Airlines, Lagos 2011
22. Aviation Safety Course for Technical Staff-Dana Airlines Ltd, Lagos. 2011
23. NACOSS Information Technology for NEEDs Conference, University of Ilorin 2005

**XII.** **ADMINISTRATIVE DUTIES**/**COMMUNITY SERVICE**:

1. Sub-Dean, Post Graduate School, Al-Hikmah University, Ilorin, Nigeria, October 2021- Date
2. Post Graduate Coordinator, Department of Computer Science, Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin, Nigeria December, 2021- Date
3. Research Soft skills Facilitator , Centre for Research, International and Industrial Linkage,

Al-Hikmah University, Ilorin August 2021

1. CPE II Courseware Study Pack Developer, Computer Professional Registration Council of Nigeria August 2020- Date
2. Unit Coordinator, Software Engineering Programme, Department of Computer Science,

Al-Hikmah University, Ilorin, Nigeria May 2020- Date

1. Exam Officer, Department of Computer Science, Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin, Nigeria May 2020- 2021
2. Facilitator, e-learning Material Preparation Programme for Al-Hikmah University academic Staff, March 2020
3. Research Soft skills Facilitator , Centre for Research, International and Industrial Linkage,

Al-Hikmah University, Ilorin,October-November 2019

1. Chairman, Library Committee, Department of Computer Science, Al-Hikmah University, Ilorin, 2020-2021
2. Coordinator, B.Sc. (Ed) Computer Science Programme, Al-Hikmah University, Ilorin 2015-2020
3. Vice Chairman, Nigeria Computer Society (NCS), Kwara State Chapter, April 2018 – Date
4. Departmental SIWES Coordinator 2016- 2019, Al-Hikmah University, Ilorin
5. 300 Level Adviser, Al-Hikmah University, Ilorin, 2018/2019 Session
6. 200 Level Adviser , Al-Hikmah University, Ilorin 2017/2018 Session
7. 100Level Adviser, Al-Hikmah University, Ilorin 2016/2017 Session
8. Delivery of Lecture titled” **The Convergence of ICT tools and Applications in Organisations: Challenges and Opportunities for Computer Practitioners**” at the Career Programme of NACOSS, Allover Central Polytechnic, Ota Chapter July 2015
9. Development of Student Personal Record Management Systems (STUPREMS) for Allover Central Polytechnic, Ota (January 2015)
10. 2014- 2015 Member, Staff Disciplinary Committee, Allover Central Polytechnic, Ota, Ogun State
11. 2014 – 2015 Chairman, Admission Steering Committee, Allover Central Polytechnic, Ota
12. 2014 – 2015 Member, Academic Board, Allover Central Polytechnic, Ota, Ogun State
13. 2014 –2015 Member, Examination Malpractices Investigation Panel, Allover Central Polytechnic, Ota, Ogun State
14. 2014 –2015 Member, Monitoring Committee on Attendance at Lectures, Allover Central Polytechnic, Ota, Ogun State
15. 2014 –2015 Member, Student Industrial Training Coordinating unit Committee, Allover Central Polytechnic, Ota, Ogun state, Nigeria
16. 2014- 2015 Student advisor, Department of Computer Science, Allover Central Polytechnic, Ota, Ogun State, Nigeria
17. 2014 -2015 Coordinator, ICT Centre, Allover Central Polytechnic, Ota, Ogun State, Nigeria

**XIII**  **EXTRA-CURRICULAR ACTIVITIES**: Surfing the internet, Travelling and watching movies

**XIV. NAMES AND ADDRESSES OF THREE REFEREES**

**Prof. R.G. Jimoh,**

Department of Computer Science,

University of Ilorin, Ilorin,

Kwara State, Nigeria.

GSM: +2348168421369,

E-mail ID: [jimoh\_rasheed@unilorin.edu.ng](mailto:jimoh_rasheed@unilorin.edu.ng)

**Prof. C.O. Uwadia**

Department of Computer Sciences

Faculty of Science,

University of Lagos,

Akoka, Lagos,Nigeria.

GSM: +2348023367333, Email ID: [couwadia@unilag.edu.ng](mailto:couwadia@unilag.edu.ng)

**Dr. O.M. Alimi**

Department of Computer Science

Faculty of Natural and Applied Sciences,

Al-Hikmah University,

Ilorin, Nigeria.

GSM: +2348035879918, Email ID: omalimi@alhikmah.edu.ng

…………………………………………… 5th January, 2022