CURRICULUM VITAE

01. PERSONAL

(i)	**NAME IN FULL:**	ABAYOMI-ALLI Adebayo
(ii)	**DATE OF BIRTH:**	September 7, 1981
(iii)	**PLACE OF BIRTH:**	Oshodi, Lagos State
(iv)	**AGE:**	40 years
(v)	**SEX:**	Male
(vi)	**MARITAL STATUS:**	Married
(vii)	**NATIONALITY:**	Nigerian
(viii)	**TOWN AND STATE OF ORIGIN:**	Owo, Ondo State
(ix)	**CONTACT ADDRESS:**	Department of Computer Science, Federal University of Agriculture, Abeokuta, Ogun State, Nigeria
(x)	**PHONE NUMBER:**	07030672420
(xi)	**E-MAIL ADDRESS:**	abayomiallia@funaab.edu.ng
(xii)	**PRESENT POST AND SALARY**	Senior Lecturer (CONUASS 5/3) (₦3,333,638.00 per annum)
(xiii)	**POST ON PROMOTION**	Reader in Computer Science

02. EDUCATIONAL BACKGROUND

(i) EDUCATION INSTITUTIONS ATTENDED WITH DATES

a)	Ladoke Akintola University of Technology, Ogbomoso, Oyo State.	2010 – 2015
b)	University of Ibadan, Ibadan, Oyo State.	2007 – 2009
c)	Ladoke Akintola University of Technology, Ogbomoso, Oyo State.	1999 – 2005

(ii) ACADEMIC AND PROFESSIONAL QUALIFICATIONS WITH DATES

a)	Ph.D. (Computer Science)	2015
b)	M.Sc. (Computer Science)	2009
c)	B.Tech (Computer Engineering)	2005

(iii) PRIZES, HONOURS, SCHOLARSHIP, NATIONAL AND INTERNATIONAL RECOGNITION

a) **Travels grant award,** by SAP SE, Germany to attend the 6th Heidelberg Laureate Forum (HLF) at Heidelberg, Germany. September, 2018.

b) **Young Researcher**, 6th Heidelberg Laureate Forum (HLF), organized by the Heidelberg Laureate Forum Foundation (HLFF), Heidelberg, Germany on the 22nd-28th September 2018.

c) **Co-Investigator,** a mobile intelligent Animal Tracking and Management system based on GPS/GSM (MINTRACK), 2015-2016 merged TETFund Research Grant, by Tertiary Education Trust Fund (TETFund), Award Sum: ₦1,486,170   July, 2018 – June, 2019

d) **Co-Investigator,** Design, Deployment and Adoption of an Intelligent Animal Monitoring and Tracking System for Pasture and Range Management. Reference Number:

AN2019_03 by the German Scholars Organization, Berlin, Germany. Award Sum: €6800.
July, 2019 – June, 2020.

e) **Best paper award,** 3rd International Conference on Information and Communication Technology and Applications (ICTA 2020) Proceedings, Federal University of Technology, Minna, Nigeria.   23rd-27th November, 2020.

f) **Co-Investigator,** A Microservice-Based Social-Media Centric Instant Messaging Mobile Application (SCIMMA) for Library Services Delivery, 2017-2018 merged Tetfund Research Grant, by Tertiary Education Trust Fund (TETFund), Award Sum: ₦ 1,486,170
July, 2021 – June, 2022.

g) **Co-Investigator,** Pushing for Modern Disruptive Innovation in Aquaculture Monitoring and Controlling Systems Using IoT and Cloud analysis, 2020 TETFund National Research Fund (NRF), by Tertiary Education Trust Fund (TETFund), Award Sum:
₦ 34,899,900   October, 2021 – September, 2023

03. WORK EXPERIENCE

(i) TEACHING AND RESEARCH WITHIN THE UNIVERSITY SYSTEM
a) Senior Lecturer, Federal University of Agriculture, Abeokuta.   October 2018 - Till date
b) Lecturer I, Federal University of Agriculture, Abeokuta. October 2015 - September, 2018
c) Lecturer II, Federal University of Agriculture, Abeokuta.
December, 2011- September, 2015
d) Assistant Lecturer, Igbinedion University, Okada.   May, 2010 - December, 2011
e) Graduate Assistant, Igbinedion University, Okada.   February, 2007 - May, 2010

(ii) COURSES TAUGHT IN THE LAST THREE (3) SESSIONS
2019/2020 Session

Course Code	Description	Credit Unit	No. of Registered students	Contact Hours	No. of Lecturers
Undergraduate					
CSC203	Computer Programming I	3	600	39	3
CSC209	Computer Hardware and Digital Logic	2	90	39	1
CSC218	Foundations of Sequential Programming	3	90	39	3
CSC311	Software Engineering	4	100	39	1
CSC392	Industrial Training/Field Work	4	90	39	12
CSC394	Inspection/Visitation	4	90	39	12
CSC396	SIWES Report	4	90	39	12
CSC398	SIWES Seminar	4	90	39	12
CSC420	Statistical Computing and Datamining	3	20	39	1
CSC491	Seminar	2	75	78	12
CSC436	Computer Applications	3	75	78	7
CSC499	Final Year Project	6	6	78	1
Post Graduate Diploma (PGD)					
ARD707	Computer Applications in Agriculture	3	7	39	1

Course Code	Description				
CSC709	Data Communication and Networking	3	15	39	2
CSC710	System Engineering	3	15	39	2
Masters in Information and Communication Technology (MICT)					
CST807	Network Design	3	15	39	2
CST813	Introduction to Telecommunication	3	15	39	2
CST804	Computer System Engineering	3	15	39	1
Masters of Science in Computer Science (MSc.)					
CSC817	Software Engineering	3	18	39	1
CSC804	Network Programming	3	28	39	2

2018/2019 Session

Course Code	Description	Credit Unit	No. of Registered students	Contact Hours	No. of Lecturers
Undergraduate					
CSC203	Computer Programming I	3	600	39	3
CSC209	Computer Hardware and Digital Logic	2	90	39	1
CSC218	Foundations of Sequential Programming	3	90	39	3
CSC337	Computer Architecture	3	90	39	1
CSC392	Industrial Training/Field Work	4	90	39	12
CSC394	Inspection/Visitation	4	90	39	12
CSC396	SIWES Report	4	90	39	12
CSC398	SIWES Seminar	4	90	39	12
CSC420	Statistical Computing	3	75	39	1
CSC491	Seminar	2	75	78	12
CSC436	Computer Applications	3	75	78	7
CSC499	Final Year Project	6	6	78	1
Post Graduate Diploma (PGD)					
ARD707	Computer Applications in Agriculture	3	10	39	1
CSC709	Data Communication and Networking	3	15	39	2
CSC710	System Engineering	3	15	39	2
Masters in Information and Communication Technology (MICT)					
CST807	Network Design	3	15	39	2
CST813	Introduction to Telecommunication	3	15	39	2
CST804	Computer System Engineering	3	15	39	1
Masters of Science in Computer Science (MSc.)					
CSC821	Advanced Computer Architecture	3	28	39	1
CSC804	Network Programming	3	28	39	2

2017/2018 Session

Course Code	Description	Credit Unit	No. of Registered students	Contact Hours	No. of Lecturers
Undergraduate					
CSC203	Computer Programming I	3	600	39	3
CSC209	Computer Hardware and Digital Logic	2	90	39	1
CSC218	Foundations of Sequential Programming	3	90	39	1
CSC303	Computer Architecture	3	90	39	2
CSC392	Industrial Training/Field Work	4	80	39	12
CSC394	Inspection/Visitation	4	80	39	12
CSC396	SIWES Report	4	80	39	12
CSC398	SIWES Seminar	4	80	39	12
CSC420	Statistical Computing	3	80	39	1
CSC491	Seminar	2	85	78	12
CSC417	Information and Communication Theory	3	85	39	1
CSC436	Computer Applications	3	85	78	7
CSC499	Final Year Project	6	5	78	1
Post Graduate Diploma (PGD)					
ARD707	Computer Applications in Agriculture	3	12	39	1
CSC709	Data Communication and Networking	3	13	39	2
CSC710	System Engineering	3	13	39	2
Masters in Information and Communication Technology (MICT)					
CST807	Network Design	3	15	39	2
CST813	Introduction to Telecommunication	3	15	39	2
CST804	Computer System Engineering	3	15	39	1
Master of Science in Computer Science (MSc.)					
CSC821	Advanced Computer Architecture	3	26	39	1
CSC804	Network Programming	3	26	39	2

04. SPECIAL ASSIGNMENT/COMMUNITY SERVICE

(i) ADMINISTRATIVE/TECHNICAL EXPERIENCE

a) **Postgraduate Coordinator**, Department of Computer Science, Federal University of Agriculture, Abeokuta.   April, 2020 **-** Till date.

b) **Examination/Result Processing Officer**, Department of Computer Science, Federal University of Agriculture, Abeokuta.   July, 2015 **-** April, 2020.

(ii) **COMMITTEES SERVED**
   a)   **University Committee**
   (1) **Member,** University Library Committee, Federal University of Agriculture, Abeokuta.
                                                                                   March, 2021 - Till date.

   (2) **Member,** Independent Corrupt Practices, and other Related Offences Commission (ICPC): Anti-Corruption and Transparency Monitoring Unit (ACTU), FUNAAB Chapter, Federal University of Agriculture, Abeokuta.   January, 2021 - Till date.

   (3) **Member,** Committee on Implementation of the Upgraded Admon Bursary Payroll and Audit.Net Software, Federal University of Agriculture, Abeokuta.   September, 2019
   (4) **Member,** University SIWES Committee, Federal University of Agriculture, Abeokuta.
                                                                                   April, 2018 - March, 2021.

   b) **College Committee**
   (1) **Member,** College Postgraduate Board, College of Physical Sciences, Federal University of Agriculture, Abeokuta.   April, 2020 - Till date.

   (2) **Member,** College Committee on Examination and Results (COCER), College of Physical Sciences, Federal University of Agriculture, Abeokuta.   October, 2017 - Till date.

   (3) **Member,** College Board of Studies, College of Physical Sciences, Federal University of Agriculture, Abeokuta.   June, 2014 - Till date.

   c) **Departmental Committee**
   (1) **Member,** Departmental Postgraduate Board, Department of Computer Science, Federal University of Agriculture, Abeokuta.   October, 2015 - Till date.

   (2) **Member,** Departmental Board of Studies, Department of Computer Science, Federal University of Agriculture, Abeokuta.   December, 2011 - Till date.

(iii) **COMMUNITY SERVICE**
   a)   **Secretary,** Academic Staff Union of Universities (ASUU), UNAAB Chapter, Federal University of Agriculture, Abeokuta, Nigeria.   April, 2021 – Till date.

   b)   **Secretary,** Committee on Technology-Based Agriculture (AgriTech), Nigeria Computer Society (NCS).   October, 2020 – Till date.

   c)   **Chairman,** Education and Conference Committee, Nigerian Computer Society (NCS), Ogun State Chapter.   December, 2019 - Till date.

   d)   **Course Material Developer**, Computer Forensics II (CEN 104), Computer Professionals (Registration Council) of Nigeria (CPN), Lagos, Nigeria.   August, 2020.

e) **Course Material Developer**, Machine Learning II (ATI 804) and Natural Language Processing (ATI 802), African Centre of Excellence on Technology Enhanced Learning (ACETEL), National Open University of Nigeria (NOUN), Abuja, Nigeria. August, 2019.

f) **Local Government Area (LGA) Collation Officer,** Governorship and State House of Assembly election in Ogun State, Egbado North Local Government Area, Independent National Electoral Commission (INEC), Magbon, Ogun State, Nigeria. 9th March, 2019.

g) **Collation Officer,** Presidential, Senate, and House of Representatives general election, Ward 07, Ijaye/Idi Aba, Abeokuta South Local Government Area, Independent National Electoral Commission (INEC), Ogun State, Nigeria.   23rd February, 2019.

h) **Investment Officer,** Academic Staff Union of Universities (ASUU), UNAAB Chapter, Federal University of Agriculture, Abeokuta, Nigeria.   March, 2018 - March, 2021.

i) **Head**, Technical Unit, Living Faith Church (Winners Chapel), Obantoko, Abeokuta, Ogun State.   December, 2017 - March, 2019.

j) **Facilitator,** Computer Investigation and Forensics, Executive Registration Programme, Computer Professional Registration Council of Nigeria (CPN).   2016 - Till date.

05. TRAINING PROGRAMME ATTENDED WITH DATES

(i) One-day Webinar on Introduction to Artificial Intelligence (AI) Methods Using MATLAB, organized by the Nigerian Institute of Electrical and Electronic Engineers (NIEEE), Abeokuta Chapter, Ogun State, Nigeria on the 15th May, 2021.

(ii) One-day Webinar on Artificial Intelligence/Machine Learning Challenges and Opportunities, organized by the Nigerian Academy of Engineering, Nigeria on the 16th June, 2021.

(iii) One day sensitization workshop in Intelligent Animal tracking and pasture Management, organised by SmartAgro-AlumNode group, Department of Computer Science, Federal University of Agriculture, Abeokuta on 14th February, 2020.

06. COMMENDATION
-NIL-

07. MEMBERSHIP OF PROFESSIONAL BODIES

(i) **Member,** Nigeria Computer Society (NCS), Membership No.: 09594
(ii) **Registered Computer Engineer**, Council for the Regulation of Engineering in Nigeria (COREN), Registration No.: R20,880
(iii) **Member,** Computer Professional Registration Council of Nigeria (CPN), Membership No.: 002456/2008
(iv) **Member**, International Association of Engineers (IAENG), Hong Kong, Membership No.: 143607

08. RESEARCH INTEREST OR COMMISSIONED PROJECTS

(i) **Research Completed but not yet Published**

a) Development of deep learning models for early detection of foetal anomaly.

(ii) **Research in Progress**

a) Development of robust image database for automatic detection and classification of cassava leaf diseases.

b) Comparative analysis of Traditional machine learning algorithms and deep convolution neural network for ovarian cyst detection.

09. PUBLICATION(S)

(i) Project/Dissertation/Thesis

(1) **Abayomi-Alli A.** (2005). Data Acquisition System for Meteorological Applications, B.Tech Computer Engineering, Ladoke Akintola University of Technology, Ogbomoso, Nigeria.

(2) **Abayomi-Alli A.** (2009). Content Analysis of Fraudulent Nigeria Electronic Mails to Enhance E-mail Classification Using e-SCAT, M.Sc. Dissertation in Computer Science, University of Ibadan, Nigeria.

(3) **Abayomi-Alli A.** (2015). Image Verification and Quality Assessment Models for Predicting Facial Recognition System Performance, Ph.D. Thesis in Computer Science, Ladoke Akintola University of Technology, Ogbomoso, Nigeria.

(ii) Journal Articles in Print

(1) Raji, N. A., **Abayomi-Alli, A.,** Ogie, N., Egbune, D. O. and Mirhewe, J. (2010): Control System Design and Manufacture for the Automation of Bottle Hydraulic Jack, *NSE Technical Transactions,* Published by Nigeria Society of Engineers (NSE), Nigeria, 45(3);15-25.

(2) **Abayomi-Alli, A.,** Ezomo, P. I., Etuk, D. J., Oghogho, I. and Izilein, F. (2011): Performance Evaluation of GSM Service Providers Around Igbinedion University Campuses, *Advanced Materials Research, Published by Trans Tech Publications, Switzerland,* 367(2011);177-184. Available online at doi:10.4028/www.scientific.net/amr.367.177 **(Indexed in Scopus)**

(3) **Abayomi-Alli, A.,** Omidiora, E. O., Olabiyisi, S. O. and Ojo, J. A. (2012): Enhanced E-banking System with Match-on-Card Fingerprint Authentication and Multi-account ATM Card, *Journal of Computer Science and Its Application (IJCA),* 19 (2);14-22, Published by the Nigeria Computer Society (NCS), Nigeria. Available online at doi:10.4314/jcsia.v19i2.2

(4) Omidiora, E. O., Olabiyisi, S. O., Ojo, J. A., **Abayomi-Alli, A.,** Abayomi-Alli, O. and Erameh, K. B. (2013): Facial Image Verification and Quality Assessment System FaceIVQA, *International Journal of Electrical and Computer Engineering (IJECE),* 3(6);863-874, Published by Institute of Advanced Engineering and Science (IAES), Malaysia, Available online at doi:10.11591/ijece.v3i6.5034 **(Indexed in Scopus)**

(5)   **Abayomi-Alli, A. A.,** Ikuomola, A. J., Aliyu, O. A. and Abayomi-Alli, O. O. (2014): Development of a Mobile Remote Health Monitoring System-MRHMS, *African Journal of Computing and Information Communication Technology (AJOCICT),* 7(4);15-22, Published by the Institute of Electrical and Electronics Engineers (IEEE) Nigeria Section, Nigeria. Available online at https://afrjcict.net/wp-content/uploads/2017/08/vol-7-no-4-october-2014.pdf

(6)   **Abayomi-Alli, A**., Omidiora, E. O., Olabiyisi, S. O., and Ojo, J. A. (2015): Adaptive Regression Splines Models for Predicting Facial Image Verification and Quality Assessment Scores, *Balkan Journal of Electrical and Computer Engineering (BAJECE)*, 3(1);17-26, Published by Kirklareli University, Turkey. Available online at http://www.bajece.com/file/download/1274241031/4--a-a--abayomi-alli--e-o--omidiora--s-o--olabiyisi-and-j-a--ojo--adaptive-regression-splines-models-for-predicting-facial-image-verification-and-quality-assessment-scores.pdf

(7)   Akinola, O. A., **Abayomi-Alli, A.,** Ezeofor, C. E. and Iloanusi, C. V. (2015): Development of a Microcontroller Based Automatic Storage Chamber for Orange Fruit (*Citrus Sinensis*), *African Journal of Computing and ICT (AJOCICT),* 8(2);45-52, Published by the Institute of Electrical and Electronics Engineers (IEEE) Nigeria Section, Nigeria. Available online at https://afrjcict.net/wp-content/uploads/2017/08/vol-8-no-2-issue-2-august-2015merged.pdf

(8)   Akinola, O. A., **Abayomi-Alli, A.,** and Adeniyi, R. A. (2015): Development of a Microcontroller Based Fingerprint Examination Access Control System, *African Journal of Computing and ICT (AJOCICT),* 8(2);161-168, Published by the Institute of Electrical and Electronics Engineers (IEEE) Nigeria Section, Nigeria. Available online at https://afrjcict.net/wp-content/uploads/2017/08/vol-8-no-2-issue-2-august-2015merged.pdf

(9)   Onashoga, S. A., **Abayomi-Alli, A.,** Idowu, O. and Okesola, J. O. (2016): A Hybrid Approach for Detecting Malicious Web Pages Using Decision Tree and Naïve Bayes Algorithms, *GESJ Journal of Computer Sciences and Telecommunications*, 48(2);9-17, Published by Georgian Technical University and Muskhelishvili Institute of Computational Mathematics, Georgia. Available online at http://gesj.internet-academy.org.ge/download.php?id=2734.pdf&t=1

(10)   **Abayomi-Alli, A.,** Omidiora, E. O., Olabiyisi, S. O., and Ojo, J. A. (2016): Blackface Surveillance Camera (BFSC) Database for Evaluating Face Recognition Algorithms in Low Quality Scenarios, *Journal of Natural Sciences, Engineering and Technology (JNSET),* 15(2);13-31, Published by Federal University of Agriculture, Abeokuta, Nigeria. Available online at: http://journal.unaab.edu.ng/index.php/JNSET/article/view/1668/1415

(11)   **Abayomi-Alli, A.,** Arogundade, O. T., Abayomi-Alli, O. O., Oyemade, S. V. and Sijuade, A. A. (2018): Automated Detection of Solanum Lycopersicum (Tomato) Sizes Using Image Processing Technique, *Nigerian Association of Mathematical Physics (NAMP Journal)*, 45(1);357-368, Published by Nigerian Association of Mathematical Physics (NAMP), Nigeria. Available online at http://e.nampjournals.org/product-info.php?pid3441.html

(12) **Abayomi-Alli, A.,** Arogundade, O. T., Abayomi-Alli, O. O., Adisa, A., Akingboye, A. Y. (2018): Decision Support System for Automatic Crop Fertilization Using Bag of Visual Words (Bows) Technique, *Nigerian Association of Mathematical Physics (NAMP Journal)*, 45(1);221-230, Published by Nigerian Association of Mathematical Physics (NAMP), Nigeria. Available online at http://e.nampjournals.org/product-info.php?pid3423.html

(13) Arogundade, O. T., **Abayomi-Alli, A.**, Fatoye, I., Adejuyigbe, C. O., Olowe, V. I. O. (2018): Development of an Android Based Mobile Application for the Production and Management of Organic Manure (MoAPOM), *Journal of Organic Agriculture and Environment (JOAEN)*, 6(2018);56-67, Published by Organic Agriculture Project in Tertiary Institutions in Nigeria (OAPTIN). Available online at http://oaptin.org/index.php/JOAEN/article/view/38/PDF

(14) **Abayomi-Alli, A**., Abayomi-Alli, O. O., Akingboye, A. Y., Odusami, M. (2018): Image Quality Assessment in Face Recognition: An Introductory Review, *Nigeria Journal of Engineering and Applied Sciences (NJEAS)*, 5(1);46-69, Published by School of Infrastructure, Process Engineering and Technology and School of Electrical Engineering Technology, Federal University of Technology, Minna, Nigeria.

(15) *Abayomi-Alli, O., Misra, S., **Abayomi-Alli, A.**, Odusami, M. (2019): A review of soft techniques for SMS spam classification: Methods, approaches and applications, *Engineering Applications of Artificial Intelligence*, 86(2019);197-212, Published by Elsevier Science Ltd, Oxford, England. Available online at doi:10.1016/j.engappai.2019.08.024 **(Indexed in Scopus)**

(16) *Okokpujie, K., **Abayomi-Alli, A.**, Abayomi-Alli, O., Odusami, M., Okokpujie, P., Akinola, O. A. (2020): Automated Energy Bill Metering System Based on GSM Technology, *Journal of Natural Sciences, Engineering and Technology (JNSET)*, 19(1&2);25-39, Published by Federal University of Agriculture, Abeokuta, Nigeria.

(17) *Ayo, F. E., Folorunso, O., **Abayomi-Alli, A.**, Olubiyi, A. C. (2020): Predicting Social Network Addiction Using Variant Sigmoid Transfer Feed-Forward Neural Networks (FNN-SNA), *Journal of Natural Sciences, Engineering and Technology (JNSET),* 19(1&2);131-148, Published by Federal University of Agriculture, Abeokuta, Nigeria.

(18) ***Abayomi-Alli, A.**, Misra, S., Fernández-Sanz, L., Abayomi-Alli, O., Edun, A. R. (2020): Genetic Algorithm and Tabu Search Memory with Course Sandwiching (GATS_CS) for University Examination Timetabling, *Intelligent Automation and Soft Computing (AUTOSOFT) Journal*, 26(3);385-396, Published by TSI Press, Texas, USA. Available online at doi:10.31209/2019.100000070 **(Indexed in Scopus)**

(19) *Arogundade, O. T., **Abayomi-Alli, A.**, Misra, S. (2020): An Ontology-Based Security Risk Management Model for Information Systems. *Arabian Journal for Science and Engineering,* 45; 6183–6198, Published by Springer Nature, Switzerland AG in cooperation with King Fahd University of Petroleum & Minerals, Saudi Arabia. Available online at doi:10.1007/s13369-020-04524-4 **(Indexed in Scopus)**

(20)   *Ayo, F. E., Folorunso, S. O., **Abayomi-Alli, A. A.**, Adekunle, A. O., Awotunde, J. B. (2020): Network intrusion detection based on deep learning model optimized with rule-based hybrid feature selection, *Information Security Journal: A Global Perspective*, 29(6);267-283, Published by Taylor & Francis, Philadelphia, USA. Available online at doi:10.1080/19393555.2020.1767240 **(Indexed in Scopus)**

(21)   *Arogundade, O. T., Akinola, O. S., Balogun, M., **Abayomi-Alli, A.**, Ikotun, A. M., Fadahunsi, I. G. and Abioye, T. E. (2021): A Mobile Application as a Supporting Tool for Weight Equalization in Animal Experiments. *Int. J. of Sustainable Agricultural Management and Informatics (IJSAMI)*, 7(1);44-66, Published by Inderscience Publishers, Geneva, Switzerland. Available online at doi:10.1504/IJSAMI.2021.10035209 **(Indexed in Scopus)**

(22)   ***Abayomi-Alli, A. A.**, Arogundade, O. T., Misra, S., Akala, M. O., Ikotun, A. M., Ojokoh, B. A. (2021): An Ontology-Based Information Extraction System for Organic Farming, *International Journal on Semantic Web and Information Systems (IJSWIS).* 17(2);79-99, Published by IGI Global Publishing, Pennsylvania, USA. Available online at doi:10.4018/IJSWIS.2021040105 **(Indexed in Scopus)**

(23)   *Ayo, F. E., Folorunso, O., Ibharalu, F. T., Osinuga, I. A., **Abayomi-Alli, A.** (2021): A Probabilistic Clustering Model for Hate Speech Classification in Twitter, *Expert Systems with Applications*, 173(114762), Published by Elsevier Science Ltd, Oxford, England. Available online at doi:10.1016/j.eswa.2021.114762 **(Indexed in Scopus)**

(24)   *Abayomi-Alli, O. O., Damasevicius, R., Misra, S., Maskeliunas, R., **Abayomi-Alli, A.** (2021): Malignant Skin Melanoma Detection using Image Augmentation by Oversampling in Non-Linear Lower-Dimensional Embedding Manifold, *Turkish Journal of Electrical Engineering and Computer Sciences*, 29(5),2600-2614, Published by Scientific and Technological Research Council of Turkey (TÜBİTAK), Turkey. Available online at doi:10.3906/elk-2101-133 **(Indexed in Scopus)**

(ii)   Journal Articles Accepted for Publication

(25)   ***Abayomi-Alli, A.**, Uzedu, F. O., Misra, S., Abayomi-Alli, O. O., Arogundade, O. T.: Hybrid Model of Genetic Algorithm and Tabu Search Memory for Highly Constrained Nurse Scheduling System. *International Journal of Service Science, Management, Engineering, and Technology (IJSSMET)*, 13(3), Published by IGI Global Publishing, Pennsylvania, USA. (Acceptance dated November 2, 2020). **(Indexed in Scopus)**

 (iii)   Books
            -NIL-

(iv)   Book Articles or Chapters
(26)   *Odusami, M., Abayomi-Alli, O., Misra, S., **Abayomi-Alli, A.,** Sharma, M. M. (2021): A Hybrid Machine Learning Model for Predicting Customer Churn in the Telecommunication Industry. In: Abraham A., Sasaki H., Rios R., Gandhi N., Singh U., Ma K. (Eds.). *Advances*

in Intelligent Systems and Computing, 1372;458-468. Springer Nature, Switzerland. Available online at doi:10.1007/978-3-030-73603-3_43

(27)   **Abayomi-Alli, A.**, Abayomi-Alli, O., Vipperman, J., Odusami, M., Misra, S. (2019): Multi-class Classification of Impulse and Non-impulse Sounds Using Deep Convolutional Neural Network (DCNN), In: Misra S. *et al.* (Eds.), *Lecture Notes in Computer Science*, 11623; 359-371. Springer Nature, Switzerland. Available online at doi:10.1007/978-3-030-24308-1_30

(v)   Edited Conference Proceedings

(28)   **Abayomi-Alli, A.**, Odusami, M. O., Abayomi-Alli, O., Misra, S., Ibeh, G. F. (2019): Long Short-Term Memory Model for Time Series Prediction and Forecast of Solar Radiation and other Weather Parameters. *In 2019 19ᵗʰ International Conference on Computational Science and Its Applications (ICCSA)*, Saint Petersburg, Russia, 1(2019);82-92. Published by IEEE, Available online at doi:10.1109/ICCSA.2019.00004

(29)   **Abayomi-Alli, A.,** Olabode, A., Onashoga, S. A., Misra, S., Arogundade, O. T., Abayomi-Alli, O. (2020): Facial Image Quality Assessment using an Ensemble of Pre-Trained Deep Learning Models (EFQnet), *2020 20ᵗʰ International Conference on Computational Science and Its Applications (ICCSA)*, Cagliari, Italy, 2020, pp. 1-8, doi:10.1109/ICCSA50381.2020.00013

(30)   *Abayomi-Alli, O., Damasevicius, R., Maskeliūnas, R., **Abayomi-Alli, A**. (2020): BiLSTM with Data Augmentation using Interpolation Methods to Improve Early Detection of Parkinson Disease. *In 2020 15ᵗʰ Conference on Computer Science and Information Systems (FedCSIS),* Sofia, Bulgaria, 2020, pp. 371-380, Published by IEEE, Available online at doi:10.15439/2020F188

* *Additional papers since last promotion.*

(v)   Technical Reports
(1) **Abayomi-Alli A.** (2011). Postgraduate Work Experience Report, Submitted to the Council for Regulation of Engineering in Nigeria (COREN), Abuja. April, 2011.

10. MAJOR CONFERENCES ATTENDED WITH PAPERS READ
(1) Wara S. T., **Abayomi-Alli A.** and Salau A. O. (2019). "Evaluation of the Dielectric Properties of Local Cereals in the Audio Frequency Range". *5ᵗʰ International Conference on Signal Processing, Computing and Control (ISPCC 2019)*, September 8-11, 2019. Solan, India, 2019, pp. 313-318, Published by IEEE, Available online at doi:10.1109/ISPCC48220.2019.8988329.

(2) Mustapha A. M., Arogundade O.'T., **Abayomi-Alli A.**, Adeniran O. J., Adesemowo K. and Alonge C. Y. (2020). A Systematic Method for Extracting and Analyzing Cloud-Based Compliance Requirements. *2020 International Conference in Mathematics, Computer Engineering and Computer Science (ICMCECS 2020)*, March, 18-21, 2020. Lagos, Nigeria. pp. 1–7. Published by IEEE, doi:10.1109/ICMCECS47690.2020.240839

(3) **Abayomi-Alli A.**, Misra S., Dada M., Alonge C. Y., Agbaegbu J. B., Arogundade O. T., Ahuja R. (2020). "A Mobile Based Market Information System", IoT and Applications Track, *5th international conference on Internet of Things and Connected Technologies (ICIoTCT 2020)*, July 3-5, 2020. Patna, India. *Advances in Intelligent Systems and Computing,* Vol. 1382, pp. 33-44, Springer AISC Series, doi:10.1007/978-3-030-76736-5_4.

(4) Adams A. A., Onashoga S. A., **Abayomi-Alli A.,** Omoyiola O. B. (2021). A Conceptual Hybrid Model of Deep Convolutional Neural Network (DCNN) and Long Short-Term Memory (LSTM) for Masquerade Attack Detection. *3rd International Conference in Information and Communication Technology and Applications (ICTA 2020)*. Minna, Nigeria, November 24–27, 2020, Communications in Computer and Information Science, Vol. 1350. Springer, Cham. doi:10.1007/978-3-030-69143-1_14

(5) Alfa A.A., Misra S., **Abayomi-Alli A.**, Arogundade O., Jonathan O., Ahuja R. (2021). Comparative Analysis of Intelligent Solutions Searching Algorithms of Particle Swarm Optimization and Ant Colony Optimization for Artificial Neural Networks Target Dataset. *2nd International Conference on Computing, Communications, and Cyber-Security (ICCC 2021)*. October 3-4, 2021, India. Lecture Notes in Networks and Systems, 203 (2021): 459-470. Springer, Singapore. doi:10.1007/978-981-16-0733-2_32

11. FELLOWSHIP, MASTER'S AND PH.D. THESIS SUPERVISED
(i) **FELLOWSHIP**
   a. **Visiting Research Scholar,** Sound System and Structures Laboratory, University of Pittsburgh, Pennsylvania, USA.   May, 2014 – April, 2015.

(ii) **STUDENTS SUPERVISION**
   a. **UNDERGRADUATE – 70 Completed**

   b. **POSTGRADUATE -**
   MICT: 8 Completed

   MSC. (Ongoing)
   (1) (a) Title of Thesis: Automated Fruit Size Classification Using Deep Convolutional Neural Network (DCNN)
      (b) Name of Student: NUBI Oludayo James
      (c) Date/Year of Commencement: 2018/2019
      (d) Ongoing (Anticipated date of completion): 2019/2020
      (e) Sole/Collaborative Supervision: Collaborative

   (2) (a) Title of Thesis: Geospatial Analysis of IOT Data for Real-Time Remote Monitoring of Extensive Aquaculture System Using a Distributed Network of Sensors.
      (b) Name of Student: OYEDIRAN Oyebiyi George
      (c) Date/Year of Commencement: 2018/2019
      (d) Ongoing (Anticipated date of completion): 2019/2020
      (e) Sole/Collaborative Supervision: Collaborative Supervision

(3) (a) Title of Thesis: A Microservice-Based Social-Media Centric Instant Messaging Mobile Application (SCIMMA) for Bibliotherapy Clinic for Depression and Library Services Delivery.
(b) Name of Student: AKERELE Olasunmibo Joel
(c) Date/Year of Commencement: 2018/2019
(d) Ongoing (Anticipated date of completion): 2019/2020
(e) Sole/Collaborative Supervision: Collaborative

(4) (a) Title of Thesis: Facial Image Quality Assessment using Augmented Dataset and Ensemble of Deep Convolutional Neural Network Models
(b) Name of Student: OLABODE Atinuke O.
(c) Date/Year of Commencement: 2017/2018
(d) Ongoing (Anticipated date of completion):
(e) Sole/Collaborative Supervision: Collaborative

MSc. (Completed)

(1) (a) Title of Thesis: An Improved Mobile Payment Security Scheme Using Elliptic Curve Cryptography
(b) Name of Student: OKEDIRAN Timothy M.
(c) Date/Year of Commencement: 2015/2016
(d) Completed/ Ongoing: Completed 2017/2018
(e) Sole/Collaborative Supervision: Collaborative

Ph.D. (Ongoing)

(1) (a) Title of Thesis: A Cloud-based Business Process Compliance Management System Using a User-centric Approach
(b) Name of Student: MUSTAPHA Abiodun Muyideen
(c) Date/Year of Commencement: 2017/2018
(d) Ongoing (Anticipated date of completion): 2019/2020
(e) Sole/Collaborative Supervision: Collaborative

(2) (a) Title of Thesis: A Cognitive Security for Electronic Payment Systems using ECC for IOT Devices
(b) Name of Student: OKEDIRAN Timothy M.
(c) Date/Year of Commencement: 2018/2019
(d) Completed/ Ongoing (Anticipated date of completion): 2020/2021
(e) Sole/Collaborative Supervision: Collaborative

12. EXTRA CURRICULA ACTIVITIES

Reading, Writing, Soccer, Athletics, and Social Entrepreneurship.

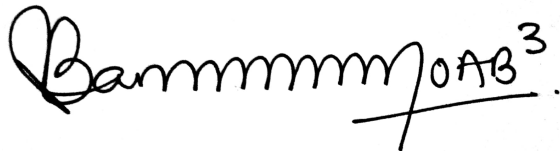## 13. NAMES AND ADDRESSES OF REFEREES

(1) Prof. A. T. Akinwale,
Department of Computer Science,
Federal University of Agriculture, Abeokuta,

Ogun State, Nigeria.
Email: akinwaleat@funaab.edu.ng

(2) Prof. A. S. Sodiya,
Department of Computer Science,
Federal University of Agriculture, Abeokuta,
Ogun State, Nigeria.
Email: sodiyaas@funaab.edu.ng

(3) Prof. O. S. Sowande
Department of Animal Production and Health,
Federal University of Agriculture, Abeokuta,
Ogun State, Nigeria.
Email: sowandeos@funaab.edu.ng

………………………………
Signature and Date