

# CURRICULUM VITAE

## 01. PERSONAL

(i)	Name in full:	AROGUNDADE Oluwasefunmi 'Tale
(ii)	Date of Birth:	11th January, 1973
(iii)	Place of Birth:	Ado– Ekiti, Ekiti State
(iv)	Age:	48 years
(v)	Sex:	Female
(vi)	Marital Status:	Married
(vii)	Nationality:	Nigerian
(viii)	Town and State of Origin	Are – Ekiti, Ekiti State
(ix)	Contact Address:	P.O. Box 28, FUNAAB P.O. Alabata, Abeokuta.
(x)	Phone Number:	07030700561
(xi)	E-mail Address:	<a href="mailto:arogundadeot@funaab.edu.ng">arogundadeot@funaab.edu.ng</a> , <a href="mailto:arogundadeot@amss.ac.cn">arogundadeot@amss.ac.cn</a>
(xii)	Present Post	Professor

## 02. EDUCATIONAL BACKGROUND

### (i) Educational Institutions Attended (with dates)

Graduate University Chinese Academy of Science (GUCAS), Beijing, China. (PhD)	2009 – 2012
University of Agriculture, Abeokuta, Nigeria. (M.Sc).	2000 – 2003
Ondo State University, Ado-Ekiti, Nigeria. (B.Sc). (Presently University of Ado-Ekiti)	1991 – 1996
Mary Immaculate Girls' Grammar School, Ado-Ekiti	1987– 1988
Are/Afao Comprehensive High School, Are/Afao Ekiti	1983 – 1987

### (ii) Academic and Professional Qualification (with dates)

Certified Associate (JUNIPER)	2016
Chartered IT Professional	2013
Doctor of Philosophy (PhD) Computer Software and Theory	2012
Master of Science (M.Sc.) <i>Computer Science</i>	2003
Bachelor of Science (B.Sc. Hons.) (Second Class Upper Division) <i>Computer Science</i> .	1996
Credit at O' Level West African School Certificate (WASC) in Sciences	1988

### (iii) Prizes, Honours, Scholarships, National and International Recognition

- A. **PI**, Pushing for Modern Disruptive Innovation in Aquaculture Monitoring and Controlling System Using IoT and Cloud Analytics funded by NRF-TETFund 2020
- b. **Co-PI**, A Micro service-Based Social Media Centric Instant Messaging Mobile Application (SCIMMA) for Library Services Delivery funded by IBR

Tetfund Research Grant 2020.

- c. **PI**, Deployment of Intelligent Animal Tracking System for Pasture and Range Management sponsored by AlumNode Research Grant, Germany 2019.
- d. Alumnus, Heidelberg Laureate Forum (HLF), Germany
- e. **PI**, A mobile Intelligent Animal Tracking System funded by IBR Tetfund Research Grant 2016.
- f. Tertiary Education Trust fund (TETfund) Conference attendance Grant 2014.
- g. TWAS-DFG Cooperation Research Postdoctoral fellowship, Technical University, Dortmund Germany. 2013/2014
- h. PhD Fellow, Organisation for Women in Science for the Developing World (OWSD) 2009-2012.
- i. Travel Grant for the Power of Excellence in Science – Enhancing Academic Capacities in Africa. Alexander Von Humboldt Colloquium Nairobi, Kenya, 6 - 8 March 2014.
- j. Travel Grant for American Association for the Advancement of Science – The World Academy of Science (AAAS-TWAS) Summer Course on Science and Diplomacy, 8-13 June 2014, Trieste, Italy.
- k. Travel grant for 3<sup>rd</sup> Heidelberg Laureate Forum (HLF), 23<sup>rd</sup>-28<sup>th</sup> August, 2015. Heidelberg Germany.
- l. Travel grant training Workshop on Technopreneurship for South Countries, 5-9 October 2015. Kuala Lumpur, Malaysia.
- m. Ida Smedley Maclean Award for Post graduate Study, funded by International Federation of University Women (IFUW) 2011-2012
- n. **Co-PI**, Impact of Public Access ICT across Cultures funded by Amy Mahan Research Grant and Fellowship 2010-2011.
- o. Association for Computing Machinery-Women (ACM-W) Conference attendance grant 2009
- p. Federal Government Scholarship for Postgraduate Students (2001/2002) Session

### 03. WORK EXPERIENCE

#### (a). i. University Teachings 2017/2018 Session

Course Code	Course Description	Course Unit	No of Students	Contact Hours	No Lecturers Involved	Individual contributions
CSC 211	Computer Programming for Agric. students	2	1400	60	6	15%
CSC 311	Software engineering	4	90	60	1	100%

CSC 411	Organization of Programming Language	3	70	60	2	50%
CSC 499	Final Year Project	6	80	-	12	8.3%
CSC 817	Software Engineering	3	25	60	1	100%
CSC 392	Industrial Training	4	75	-	8	10%
CSC 394	Inspection and Visitation	4	75		8	10%
CSC 396	SIWES Report	4	75		8	10%
CSC 398	Seminar	4	75		8	10%
CSC 804	Network Programming	2	25		2	50%

**ii. University Teachings 2018/2019 Session**

<b>Course Code</b>	<b>Course Description</b>	<b>Course Unit</b>	<b>No of Students</b>	<b>Contact Hours</b>	<b>No Lecturers Involved</b>	<b>Individual contributions</b>
CSC 211/221	Computer Programming for Agric. students	2	1400	60	6	15%
CSC 311	Software engineering	4	90	60	1	100%
CSC 499	Final Year Project	6	80	-	12	8.3%
CSC 817	Software Engineering	3	25	60	1	100%

CSC 392	Industrial Training	4	75	-	8	10%
CSC 394	Inspection and Visitation	4	75		8	10%
CSC 396	SIWES Report	4	75		8	10%
CSC 398	Seminar	4	75		8	10%
CSC 102	Introduction to Algorithm and programming	2	600		4	25%

**iii. University Teachings 2019/2020 Session (On Sabbatical Leave)**

**(b) Professional Experience**

<b>Employer</b>	<b>Designation</b>	<b>Date</b>
Federal University of Agriculture, Abeokuta	Reader	2017 till Date
Federal University of Agriculture Abeokuta	Senior Lecturer	2014 -2017
Federal University of Agriculture Abeokuta.	Lecturer I	2011 - 2014
University of Agriculture, Abeokuta, Nigeria	Lecturer II	2008 -- 2011
University of Agriculture, Abeokuta, Nigeria	Assistant Lecturer	2005 – 2008
Nigeria National Petroleum Corporation (NNPC), Warri	Programmer	1999
National Youth Service Corps (NYSC) at NOK Educational Service, Umudioka, Anambra State, Nigeria	Corp Member	1997-1998
M-System Nig. Ltd. Surulere, Lagos	Industrial Attaché	1996

**(c) Undergraduate Student Project Supervision**

17 Students (B.Sc. Computer Science) 2016/2017 - 2018/2019 Session

**(d) Postgraduate Student Thesis supervision**

13 Students (M.Sc. and Ph.D Computer Science) 2016/2017 - 2018/2019 Session

**(e) Academic Activities outside the University**

- i. Reviewer, Enterprise Information System Journal, Taylor and Francis, USA
- ii. Member, Programme Committee, I3E2020 The 19th IFIP Conference on e-Business, e-Services and e-Society

- iii. Reviewer, IEEE ACCESS Journal 2020
- iv. Reviewer, ICCSA Computational Science and Its Applications International Conference Proceedings 2019 till date
- v. Reviewer International Journal of Information and Communication Technology (IJICT), Inderscience.
- vi. Reviewer, International Journal of Information and Computer Security
- vii. Reviewer, International Journal of Human Capital and Information Technology Professionals, Info-Sci journal
- viii. Reviewer, Journal of Software: Evolution and Process, Wiley 2020

**04. SPECIAL ASSIGNMENTS/ COMMUNITY SERVICE**

- a. Faculty Sponsor, Association for Computing Machinery(ACM) FUNAAB Student Chapter 2021
- b. Chair, Association for Computing Machinery-Women (ACM-W) Ibadan Nigeria Professional Chapter, 2021
- c. Member Local Organizing Committee COLPHYS Conference, 2019
- d. Faculty Sponsor, Association for Computing Machinery-Women (ACM-W) FUNAAB Student Chapter 2015 till date
- e. Principal Investigator ICT for Agricultural Development project 2015 till date
- f. COLPHYS Rep. in Student Welfare and Hostel Management Committee (SWEHOMAC) 2014/2015 till date
- g. Departmental PG Coordinator 2017- 2020
- h. Departmental SIWES Coordinator 2014 - 2017
- i. Head, Departmental Exhibition Team for Convocation Ceremony 2009
- j. Student Adviser/Counsellor 2007 – 2009
- k. Departmental welfare Officer, Computer Science Department 2005 till date
- l. Women Leader, Deeper Christian Life Ministry, Nigeria 2000 till date

**05. TRAINING PROGRAMME ATTENDED (with dates)**

- a) System Specification And Model Checking Organized By International Institute For Software Technology, United Nations University, Macao, China. Held At University Of Lagos, Nigeria. July, 2007.
- b) Object Oriented Software Development With UML Organized by International Institute Of Software Technology, United Nations University, Macao, China. Held at Obafemi Awolowo University Ile-Ife. May, 2007.
- c) Formal modelling And Verification Organized by International Institute of Software Technology, United Nations University, Macao, China. Held At Obafemi Awolowo University Ile-Ife. May, 2007.

- d) Sensitization Seminar on the Relevance of GIS in Research. Organised by the GIS unit, Research and Development Centre, University of Agriculture, Abeokuta. 26<sup>th</sup> November, 2008.
- e) The Power of Excellence in Science – Enhancing Academic Capacities in Africa. Alexander Von Humboldt Colloquium Nairobi, Kenya, 6 - 8 March 2014.
- f) American Association for the Advancement of Science – The World Academy of Science (AAAS-TWAS) Summer Course on Science and Diplomacy, 8-13 June 2014, Trieste, Italy.
- g) 3<sup>rd</sup> Heidelberg Laureate Forum (HLF), 23<sup>rd</sup>-28<sup>th</sup> August, 2015. Heidelberg Germany.
- h) Training Workshop on Technopreneuership for South Countries, 5-9 October 2015. Kuala Lumpur, Malaysia.

**06. COMMENDATION:** Nil

**07. MEMBERSHIP OF PROFESSIONAL BODIES**

- a) Association for Computing Machinery (ACM) Membership No: 8820679
- b) International Association of Engineers (IAENG) Membership No:104134
- c) Organisation for Women in Science for the Developing World (OWSD) Membership No.: 4202
- d) Working Group on Automated Time Tabling (WATT)
- e) International Federation of University Women (IFUW) Membership No: 679
- f) ITHEA International Scientific Society (ISS)
- g) Institute of Electrical, Electronics Engineers (IEEE) Membership No: 92666467
- h) Computer Professional of Nigeria (CPN) Membership No: 004006/2013

**08. RESEARCH INTEREST OR COMMISIONED PROJECTS**

**(i) Research Interest**

My research interest is in Computer Software and theory with specific interest in Software Engineering, Security Modeling, Intelligent systems, Ontology and ICT4Development.

**(ii) Research completed but not yet published**

1. A Classification and Labelling Framework for Information Assets Security Risk Assessment Using Fuzzy Approach
2. Development of Ontology-Based Information Extraction System for Organic Farming Practice
3. Extending UMLsec for Software Security Risk Management at Design Time.
4. SCLAVOEM: Hyper Parameter Optimization Approach to Predictive Modelling of Covid-19 Infodemic Tweets Using Smote and Classifier Vote Ensemble

**(iii) Research in progress**

- a. Development of Modelling Language for Software Systems Safety, Compliance and Security.
- b. Resolving the gap between ICT potentials and the realization (ICT4Development)
- c. Development of Intelligent Systems for solving real life problems

**09 PUBLICATIONS**

**(i) Thesis and Dissertations**

- a. Computerization of Saving Account Systems in Pinnacle Commercial Bank Using FOXPRO. B.Sc. Dissertation. Ondo State University, Ado Ekiti Nigeria. (1997).
- b. Exploiting Semantic Schema Model for Query Transformation Using Mix-Fix Function. M.Sc. Thesis. Federal University of Agriculture, Abeokuta Nigeria (2003)
- c. Modelling and Managing Security and Safety Requirements. PhD Thesis. Graduate University Chinese Academy of Science, Beijing China. (2012)

**(ii) Journal Articles in Print**

1. Akinwale A. T., O.J. Adeniran & **Arogundade O.'T** (2003). Exploiting semantic schema model for interactive query transformation using mix fix function. *ASSET Journal*, 2 (1):73 – 82. Federal University of Agriculture, Abeokuta.
2. **Arogundade O.'T. &** Akinwale A. T (2007) The use of conceptual query processing in live- stock management system *Asian journal of information Technology*, 6: 170 – 176.
3. Akinwale, A. T., **Arogundade O.'T.**, & Adekoya, A. F. (2009): Translated Nigeria Stock Market Reports using Artificial Neural Network for effective prediction. *Journal of Theoretical and Applied Information Technology*, 9 (1); 36-43.
4. **Arogundade O.'T** Akinwale, A.T., Adekoya A.F. & Awe O.G (2009): A 0-1 Model for Fire and Emergency Service Facility Location Selection: A Case Study in Nigeria. *Journal of Theoretical and Applied Information Technology*, 9 (1): 50-59.
5. A.T. Akinwale, **Arogundade O.'T** & H. Obianugha (2009). A Way Forward to Improving Functionalities of Open Database System, *Journal of Theoretical and Applied Information Technology*, 7(1): 001-007.
6. **Arogundade O.'T**, Adewumi Adediran & Ikotun A. Motunrayo (2010): A Proposed Usage-Centered Model for a Web Based Application: Digital Library.

- CiiT International Journal of Software Engineering and Technology*, 2(10); 270-274. Coimbatore Institute of Information Technology, India. Available at <http://www.ciitresearch.org/seoctober2010.html>
7. **Arogundade O.’T** & Akinwale Adio Taofiki (2010): Usage-centered Software Engineering: An Approach to Developing Business Information System. *International journal of research and reviews in Applied Sciences* 2 (3); 306-315.
  8. **Arogundade O.’T**, Ikotun A.Motunrayo, Akinwale A. Taofik & Ogunnowo Olubunmi (2011): Optimizing Deployment Scheme System Using the Concept of Bin Packing Algorithm *CiiT International Journal of Software Engineering and Technology* 3(1); 1-8. Coimbatore Institute of Information Technology, India. Available at <http://www.ciitresearch.org/sejanuary2011.html>
  9. **Arogundade O.’T** Akinwale, A. T., Jin, Z., & Yang, X. G. (2011): A Unified Use-Misuse Case Model for Capturing and Analyzing Safety and Security Requirements. *International Journal of Information Security and Privacy (IJISP)*, 5(4), 8-30. An Official Publication of the Information Resources Management Association, USA. Available at <https://doi:10.4018/jisp.2011100102>
  10. **Arogundade O.’T.**, A.T. Akinwale., Z. Jin & X.G. Yang (2012): Towards an Ontological Approach to Information System Security and Safety Requirement Modelling and Reuse. *Information Security Journal: A Global Perspective*. 21(3); 137-149, Taylor and Francis, USA. Available at DOI:10.1080/19393555.2011.652290.
  11. **Arogundade, O.’T.**, Jin, Z. & Yang, X. (2014) ‘Towards Ontological Approach to Eliciting Risk-based Security Requirements’, *International Journal of Information and Computer Security*, 6 (2); pp.143–178. DOI: [10.1504/IJCS.2014.065168](https://doi.org/10.1504/IJCS.2014.065168) Published by Inderscience, UK.
  12. **Arogundade O.’T.**, O. Olayiwola, Shang Wei, A.H. Bodunde & O.D. Aborisade (2015): Enhanced Theory of Reasoned Action (TRA) Model for Investigating Computer Users’ Intention to Purchase Full Antivirus Software after a Free Trial. *Afr J. of Comp & ICTs*. 8(2). Pp 93-106. IEEE Nigeria Chapter.
  13. **Arogundade O.’T.**, F.S. Osholake, O.D. Aborisade & O. Olayiwola (2015): An Exploratory Study of the Risks and Motivating Factors of ICT Abuse among Students of Tertiary Institutions in Nigeria. *Afr J. of Comp & ICTs*. Vol 8, No. 3. Pp 209-218. IEEE Nigeria Chapter.
  14. A.M. Ikotun, A.T.Akinwale & **Arogundade O.’T.** (2016) Parameter Variation for Linear Equation Solver Using Genetic Algorithm. *Journal of Natural Sciences, Engineering and Technology*, 15(2). Federal University of Agriculture, Abeokuta.



15. **Arogundade O.'T.**, A.O. Adejimi, A.M. Mustapha, A.M. Ikotun & S. Akinwale (2016) Investigation of Factors Affecting Cloud Computing Adoption in Nigeria. *Journal of Natural Sciences, Engineering and Technology*, 15(2). Federal University of Agriculture, Abeokuta.
16. **Arogundade O.'T.**, O. Mustapha, A.M. Ikotun & A.O. Adejimi (2016) An Enhanced Technology Acceptance Model to Measure Customers Willingness to Pay More for Secure Software Development. *Journal of Natural Sciences, Engineering and Technology*, 15(2). Federal University of Agriculture, Abeokuta.
17. **Arogundade O.'T.**, H. K. Adubiagbe, B. A. Ojokoh & A.M. Mustapha (2016): Design and Validation of E-Motoring Services Model. *FUTA Journal of Research in Sciences*, 12 (2), 307 - 324. Federal University of Technology Akure, Nigeria.
18. **Arogundade O.'T.** Adeniran, O., Jin, Z., & Xiaoguang, Y. (2016). Towards Ontological Approach to Security Risk Analysis of Information System: Model and Architecture. *International Journal of Secure Software Engineering (IJSSE)*, 7(3), Pp 1-25. doi:10.4018/IJSSE.2016070101
19. Mustapha, A.M., **Arogundade, O.T.**, Vincent, O.R. & Adeniran O.J. (2018): Towards a compliance requirement management for SMSEs: a model and architecture. *Information System and E-Business Management* (16), <https://doi:10.1007/s10257-017-0354-y> . Published by Springer.
20. **Arogundade O. T.**, Ogunyinka B. A., Mustapha A.M. & Asahiah F. O. (2018) A Validated Model For secured E-Government Services: A Case Study of Civil Status and Rights, *Ife Journal of Science and Technology (IJoST)*, Vol. 2 No. 1 PP. 92-112.
21. **Arogundade O.'T.**, A, Abayomi-Alli, I. Fatoye, C.O. Adejuyigbe and V.I.O Olowe (2018) Development of an android based mobile application for the production and management of organic manure (MoAPOM). *Journal of Organic Agriculture and Environment JOAEN* Vol. 6 ISSN 2437-2021.
22. Abayomi-Alli A., **Arogundade O. T.**, Abayomi-Alli O.O., Oyemade S.V. and Sijuade A. A. and (2018), Automated Detection of Solanum Lycopersicum (Tomato) Sizes Using Image Processing Technique, Published by *Nigerian Association of Mathematical Physics (NAMP)*, 45(1):357-368.ISSN: 1116-4336.

23. Abayomi-Alli A., **Arogundade O. T.**, Abayomi-Alli O. O., Adisa A. and Akingboye A. Y. (2018), Decision Support System for Automatic Crop Fertilization Using Bag of Visual Words (Bows) Technique, Published by *Nigerian Association of Mathematical Physics (NAMPA)*, 45(1):221-230. ISSN: 1116-4336.
24. **Arogundade O. T.**, Owoade U. A., Mustapha A.M., Ikotun M.A. (2019), Design and Implementation of Mobile Application for Herbal Medicine Prescription for Obstetrics and Gynaecology Problems. *Covenant University Journal of Informatics & Communication Technology*. Vol. 7 No. 1. Pp 1-17.
25. Fadahunsi I.G., **Arogundade O. T.**, Sodiya A. S., Olajuwon B. I. (2019) Towards a UMLsec-based Proctored Examination Model," *International Journal of Systems and Software Security and Protection (IJSSSP)* 10 (2) pp. 44-67. DOI: 10.4018/IJSSSP.2019070103
26. **Arogundade, O.T.**, Abioye, T.E. and Sanjay, M. (2020) An ontological approach to threats pattern collection and classification: a preliminary study to security management. *International Journal of Electronic Security and Digital Forensics*, Vol. 12, No. 3, pp.323–335. DOI: 10.1504/IJESDF.2020.10029585
27. **Arogundade, O.T.**, Abayomi-Alli, A. and Misra, S. (2020) An Ontology-Based Security Risk Management Model for Information Systems. *Arabian Journal of Science and Engineering*. Vol. 45, pp. 6183–6198.  
<https://doi.org/10.1007/s13369-020-04524-4> Published by Springer.
28. Mustapha, A.M., **Arogundade, O.T.**, Misra, S., Robertas Damasevicius & Rytis Maskeliunas (2020) A systematic review on compliance requirements management of business processes. *International Journal of System Assurance Engineering and Management*. 11(3), 561 – 576.  
<https://doi.org/10.1007/s13198-020-00985-w> Published by Springer.
29. **Arogundade O.T**, Misra S., Abayomi-Alli O.O, & Fernandez-Sanz L. (2020) Enhancing Misuse Cases with Risk Analysis for Safety Requirements. *IEEE Access Journal* 8, 12001-12014. DOI 10.1109/ACCESS.2019.2963673
30. **Arogundade, O. T.**, Ojokoh, B., Asogbon, M. G., Samuel, O. W., & Babatope Sunday Adeniyi, (2020). Fuzzy Driven Decision Support System for Enhanced Employee Performance Appraisal. *International Journal of Human Capital and Information Technology Professionals (IJHCITP)*, 11(1), 17-30.  
doi:10.4018/IJHCITP.2020010102
31. Abioye T.E, **Arogundade O.T.**, Misra S., Akinwale A.T, & Adeniran O.J. (2020) Toward Ontology -based Risk Management Framework for Software Project: An Empirical Study. *Journal of Software: Evolution and Processes*, e2269: <https://doi.org/10.1002/smr2269> Published by Wiley.

32. **Arogundade O.T.**, Sanjay M., Odusami M., Adelaja E. & Abayomi-alli O. (2020): An Algorithm-Centric Approach to Enhance Business Process Compliance Management. *International Journal of Engineering Research in Africa*. ISSN: 1663-4144, Vol. 50, pp 15-28  
doi:10.4028/www.scientific.net/JERA.50.15. Trans Tech Publications Ltd, Switzerland
33. **Oluwasefunmi‘Tale Arogundade** , Samuel Ibukun Olotu , Olusola AbayomiAlli , Sanjay Misra & Abiodun Motunrayo Ikotun (2020): A study of existing use case extensions and experience: a systematic review, **International Journal of Computer Mathematics: Computer Systems Theory**, DOI: 10.1080/23799927.2020.1815856.
34. **Arogundade, O.’T.**, Akinola, O.S., Balogun, M., Abayomi-Alli, A.A., Ikotun, A.M., Fadahunsi, I.G. and Abioye, T.E. (2021) ‘A mobile application as a supporting tool for weight equalisation in animal experiments’, **Int. J. Sustainable Agricultural Management and Informatics**, Vol. 7, No. 1, pp.44–66. DOI:[10.1504/IJSAMI.2021.10035209](https://doi.org/10.1504/IJSAMI.2021.10035209)
35. Abayomi-Alli, A. A., **Arogundade, O. ’.**, 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. doi:10.4018/IJSWIS.2021040105

(v). **Book Article or Chapter**

36. Francisco J. Proenza, Wei Shang, Guoxin Li, Jianbin Hao, **Arogundade O.’T.** & Martin Hagger (2015) Personal Objectives and the Impact of Internet Cafés in China. In *Public Access ICT across Cultures*, Francisco J. Proenza (ed.) pg. 59-145. Cambridge MA, Published by Massachusetts Institute of Technology Press Canada.
37. **Arogundade O.T.**, Abioye E.T., Mustapha A.M., Ikotun A.M. & Aisaiah F. O. (2018) Specifying and Incorporating Compliance Requirements into Software Development Using UML and OCL in proceedings of 18<sup>th</sup> International conference on Computational Science and Its Applications – ICCSA 2018, Lecture Notes in Computer Science book series (LNCS, volume 10960) Springer.
38. Alfa Ayegba Abraham, Ahmed K. B., Sanjay Misra, **Arogundade O.T.** & Ahuja R. (2019) Metaheuristic-based Intelligent Solutions searching Algorithms of Ant Colony Optimization and Backpropagation in Neural Networks. In **Lecture Notes in Networks and Systems 121**. P. K. Singh et al. (eds.), [https://doi.org/10.1007/978-981-15-3369-3\\_8](https://doi.org/10.1007/978-981-15-3369-3_8) Published by Springer.
39. **Arogundade O.T.**, Adebayo Abayomi-Alli , Kayode Adesemowo , Taiwo Bamigbade , Modupe Odusami & Victor Olowe (2020): An Intelligent Marketplace Mobile Application for Marketing Organic Products. In *IFIP International Federation for Information Processing*. M. Hattingh et al. (Eds.):

- I3E 2020, LNCS Vol. 12066, 1–12, Nature Switzerland AG 2020:  
[https://doi.org/10.1007/978-3-030-44999-5\\_23](https://doi.org/10.1007/978-3-030-44999-5_23) Published by Springer
40. Olaleye T.O., **Arogundade O.T.**, Abayomi-Alli A., Adesemowo A.K. (2021). An Ensemble Predictive Analytics of Covid-19 Infodemic Tweets Using Bag of Words, In Kose, U., Gupta, D. Hugo, V. de Albuquerque, C. & A. Khanna (Eds), *Data science for COVID-19*, Elsevier ISBN: 9780128245361.
  41. Abayomi-Alli A. et al. (2021) A Mobile Based Market Information System. In: Misra R., Kesswani N., Rajarajan M., Bharadwaj V., Patel A. (eds) Internet of Things and Connected Technologies. ICIoTCT 2020. Advances in Intelligent Systems and Computing, vol 1382. Springer, Cham. [https://doi.org/10.1007/978-3-030-76736-5\\_4](https://doi.org/10.1007/978-3-030-76736-5_4)
  42. Adesemowo A.K., Abayomi-Alli A., Olabanjo O.O., Odusami M.O., **Arogundade O.T.**, Abioye T.E. (2020) Harnessing the Potentials of Mobile Phone for Adoption and Promotion of Organic Farming Practices in Nigeria. In: Sharma S.K., Dwivedi Y.K., Metri B., Rana N.P. (eds) Re-imagining Diffusion and Adoption of Information Technology and Systems: A Continuing Conversation. TDIT 2020. IFIP Advances in Information and Communication Technology, vol 618. Springer, Cham. [https://doi.org/10.1007/978-3-030-64861-9\\_16](https://doi.org/10.1007/978-3-030-64861-9_16).
  43. Adesemowo, A. K., & **Arogundade, O. T.** (2021). NreASAM: Towards an Ontology-Based Model for Authentication and Auto-Grading Online Submission of Psychomotor Assessments. In Daramola, O., & Moser, T. (Ed.), *Advanced Concepts, Methods, and Applications in Semantic Computing* (pp. 166-189). IGI Global. <http://doi:10.4018/978-1-7998-6697-8.ch009>
  44. Olaleye T., **Arogundade O.**, Adenusi C., Misra S., Bello A. (2021) Evaluation of Image Filtering Parameters for Plant Biometrics Improvement Using Machine Learning. In: Patel K.K., Garg D., Patel A., Lingras P. (eds) Soft Computing and its Engineering Applications. icSoftComp 2020. Communications in Computer and Information Science, vol 1374. Springer, Singapore. [https://doi.org/10.1007/978-981-16-0708-0\\_25](https://doi.org/10.1007/978-981-16-0708-0_25).
  45. **Arogundade O.T.**, Atasié C., Misra S., Sakpere A.B., Abayomi-Alli O.O., Adesemowo K.A. (2021) Improved Predictive System for Soil Test Fertility Performance Using Fuzzy Rule Approach. In: Patel K.K., Garg D., Patel A., Lingras P. (eds) Soft Computing and its Engineering Applications. icSoftComp 2020. Communications in Computer and Information Science, vol 1374. Springer, Singapore. [https://doi.org/10.1007/978-981-16-0708-0\\_21](https://doi.org/10.1007/978-981-16-0708-0_21)
  46. Abraham Ayegba Alfa, Sanjay Misra, Adebayo Abayomi-Alli, **Oluwasefunmi Arogundade**, Oluranti Jonathan, Ravin Ahuja (2021) Comparative Analysis of Intelligent Solutions Searching Algorithms of Particle Swarm Optimization and Ant Colony Optimization for Artificial Neural Networks Target Dataset. In Book: Proceedings of Second International Conference on Computing, Communications, and Cyber-Security. 459-470. ISBN: 978-981-16-0732-5. DOI: 10.1007/978-981-16-0733-2\_32
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to Software Vendors. In: Singh P.K., Wierzchoń S.T., Tanwar S., Ganzha M., Rodrigues J.J.P.C. (eds) Proceedings of Second International Conference on Computing, Communications, and Cyber-Security. Lecture Notes in Networks and Systems, vol 203. Springer, Singapore. [https://doi.org/10.1007/978-981-16-0733-2\\_16](https://doi.org/10.1007/978-981-16-0733-2_16).

- 49. Arogundade O.T.**, Onilede O., Misra S., Abayomi-Alli O., Odusami M., Oluranti J. (2021) From Modeling to Code Generation: An Enhanced and Integrated Approach. In: Singh P.K., Polkowski Z., Tanwar S., Pandey S.K., Matei G., Pirvu D. (eds) Innovations in Information and Communication Technologies (IICT-2020). Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development). Springer, Cham. [https://doi.org/10.1007/978-3-030-66218-9\\_50](https://doi.org/10.1007/978-3-030-66218-9_50)

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- 50. Akinwale A.T., Ibharalu F.T., & Arogundade O.'T.** (2006). Comparative Analysis of Artificial Neural Networks Back Propagation Algorithm to Statistical Least Square Method in Security Prediction Using Nigerian Stock Exchange Market. *Proceedings of the 2<sup>nd</sup> Conference on Science and National Development, College of Natural Sciences (COLNAS), University of Agriculture, Abeokuta* Eromosele I.O and Popoola T.O.S (Eds.) 57-61. Published by COLNAS.
- 51. Arogundade O.'T.**, Akinwale A.T., Adekoya A.F. & Ladeinde A. (2008). Simulation of National Income Accounting Using Information Technology. *Proceedings of the 22<sup>nd</sup> National Conference of Nigeria Computer Society (NCS)*, Folajimi Y.O. and Oyeyinka I.K. (Eds.) 267-270. Published by NCS.
- 52. Adekoya A., Akinwale A., Arogundade O.'T, & Ojo O.** (2008). Design and Implementation of a Web-based Tourism Information System. *Proceedings of the 22<sup>nd</sup> National Conference of Nigeria Computer Society (NCS)*, Folajimi Y.O. and Oyeyinka I.K. (Eds.) 263-266. Published by NCS.
- 53. Arogundade O.'T.** and Akinwale A.T. (2009). On the application of Prim's algorithm to a profit-oriented Transportation System in Rural areas of Nigeria. *Proceedings of 37<sup>th</sup> World Congress on Science, Engineering and Technology 1295-1306*. Published by World Academy of Science, Engineering and Technology (WASET).
- 54. Shang, Wei, Guoxin Li, Arogundade O.'T. & Xuemei Jiang** (2010). Understanding Cybercafés Users behavior in Mainland China: An Exploratory Study. *Proceedings of IPID postgraduate strand, at the 4th ACM/IEEE International Conference on Information and Communication Technologies and Development (ICTD)* G.Wicander, M. Hatakka and E. Kromidha (Eds.) Published by Karlstad University Studies. [kau.diva-portal.org/smash/get/diva2:425814/FULLTEXT01](http://kau.diva-portal.org/smash/get/diva2:425814/FULLTEXT01)
- 55. Arogundade O.'T.**, Akinwale A.T., Jin Z. and Yang X.G. (2011): Enhancing Use cases for Deployed Information System Security Threats Identification. *Proceedings of the 10<sup>th</sup> International Conference on Perspectives in Business Informatics Research (BIR)*, Laila N., Renate S., and Benkt W.(Eds.) 147-154.

Published by Riga Technical University UK.

56. **Arogundade O.'T.**, Jin Z. and Yang X.G. (2011): Enhancing Use cases with Subjective Risk Assessment, *proceedings of fifth IEEE International Conference on Secure Software Integration and Reliability Improvement – C (SSIRI)*, 144-151. Published by IEEE press. DOI 10.1109/SSIRI-C.2011.29
57. Ikotun A.M., Akinwale A.T., and **Arogundade O.T.** (2015). Parameter Variation in Genetic Algorithm Linear Equation Solver. Proceedings of the 1<sup>st</sup> International Conference on Applied Information Technology (AIT 2015), Department of Computer Science, Federal University of Agriculture Abeokuta. Adio Akinwale, Olusegun Ojesanmi, Adebukola Onashoga and Adebayo Abayomi-Alli (Eds.) 76-80.
58. Mustapha M., Alonge C.Y and **Arogundade O.T.** (2015) A Roadmap to the Successful and Secured Adoption of Cloud Computing. Proceedings of the 1<sup>st</sup> International Conference on Applied Information Technology (AIT 2015), Department of Computer Science, Federal University of Agriculture Abeokuta. Adio Akinwale, Olusegun Ojesanmi, Adebukola Onashoga and Adebayo Abayomi-Alli (Eds.) 149-155.
59. A. M. Mustapha, **Arogundade O. T.**, O. R. Vincent, O. J. Adeniran and X. Chen (2017): A model-based business process compliance management architecture for SMSE towards effective adoption of cloud computing," *2017 IEEE International Conference on Computing Networking and Informatics (ICCNI)*, Lagos, 2017, pp. 1-6. DOI: [10.1109/ICCNI.2017.8123820](https://doi.org/10.1109/ICCNI.2017.8123820)
60. A. Kayode Adesemowo and **Arogundade O.T.** (2019) NreASAM: Towards an Ontology for Authenticity and Auto-Grading Online Submission System. Proceedings of the 3rd International Conference on Intelligent Computing and Emerging Technologies (ICET-2019) Volume 3, pp 35-45.
61. A. M. Mustapha, **Arogundade O.'T.**, A. Abayomi-Alli, O. J. Adeniran, K. Adesemowo and C. Y. Alonge (2020): A Systematic Method for Extracting and Analyzing Cloud-Based Compliance Requirements, 2020 IEEE International Conference in Mathematics, Computer Engineering and Computer Science (ICMCECS), Lagos, Nigeria, pp. 1-7.  
DOI: [10.1109/ICMCECS47690.2020.240839](https://doi.org/10.1109/ICMCECS47690.2020.240839)
62. C. Y. Alonge, **Arogundade O. T.**, K. Adesemowo, F. T. Ibrahalu, O. J. Adeniran and A. M. Mustapha, (2020): Information Asset Classification and Labelling Model Using Fuzzy Approach for Effective Security Risk Assessment, *2020 IEEE International Conference in Mathematics, Computer Engineering and Computer Science (ICMCECS)*, Lagos, Nigeria, pp. 1-7.  
DOI: [10.1109/ICMCECS47690.2020.240911](https://doi.org/10.1109/ICMCECS47690.2020.240911)

## 10. MAJOR CONFERENCES ATTENDED WITH PAPER READ

- a) Formal modelling And Verification Organized by International Institute of Software Technology, United Nations University, Macao, China. Held at Obafemi Awolowo

- University Ile-Ife, Nigeria. May, 2007.
- b) Object Oriented Software Development With UML Organized by International Institute Of Software Technology, United Nations University, Macao, China. held at Obafemi Awolowo University Ile-Ife, Nigeria. May, 2007.
  - c) System Specification And Model Checking Organized By International Institute For Software Technology, United Nations University, Macao, China. held at University of Lagos, Nigeria. July, 2007.
  - d) 22nd National Conference of Nigeria Computer Society (NCS), Abeokuta, 2008.
  - e) Fifth IEEE International Conference on Secure Software Integration and Reliability Improvement, Jeju Island, South Korea. June, 2011.
  - f) AAAS-TWAS Summer Course on Science and Diplomacy, 8-13 June 2014, ICTP, Trieste, Italy.
  - g) The Power of Excellence in Science – Enhancing Academic Capacities in Africa. Alexander Von Humboldt Colloquium Nairobi, Kenya, 6 - 8 March 2014.
  - h) Formal Methods and Software Engineering for Secure Systems (FoMSESS) workshop in Bremen, Germany, 24th March, 2015.
  - i) 21st International Conference on Requirements Engineering, Foundation for Software Quality (REFSQ), Essen Germany, 23rd – 26th March, 2015.
  - j) 3rd Heidelberg Laureate Forum (HLF), Heidelberg Germany, 23rd-28th August, 2015.
  - k) Training Workshop on Technopreneurship for South Countries, 5-9 October 2015. Kuala Lumpur, Malaysia.
  - l) ISTIC-TWAS Competition “Successful Innovation in Science and Technology in Developing Countries” 10 - 11 October 2015, Kuala Lumpur, Malaysia
  - m) AIT Conference October, 2017
  - n) IEEE International Conference on Computing Networking and Informatics (ICCNI), 29-31 October 2017 Lagos, Nigeria.
  - o) International Conference on Developmental Sciences and Technologies, 27th-30th August, 2019, Federal University of Agriculture Abeokuta.
  - p) AIT conference October, 2019.
  - q) One Day Sensitization Workshop on Intelligent Animal Tracking and Pasture Management by SMARTAGRO-ALUMNODE 14th February, 2020, Federal University of Agriculture Abeokuta.
  - r) IEEE International Conference in Mathematics, Computer Engineering and Computer

Science, 18th -21st March, 2020.Anchor University Lagos, Nigeria.

**11. INFORMATION ON FELLOWSHIP, MASTER’S PROJECT AND PH.D THESIS SUPERVISED**

**(a) Fellowships**

- i. TWAS-DFG Cooperation Research Postdoctoral visiting fellowship, Technical University, Dortmund Germany. 2014
- ii. Organisation for Women in Science for the Developing World (OWSD) Postgraduate Training Fellowship, Graduate University Chinese Academy of Science, Beijing 2009-2012.
- iii. Federal Government Scholarship for Postgraduate Students, University of Agriculture, Abeokuta. 2001/2002

**(b) Postgraduate Projects**

No	Title of thesis	Name of Student	Date/Year of Commencement	Type of Degree	Completed or on-going	Major/Co supervisor
1	A cloud based Business Process Compliance Requirements Management Framework	MUSTAPHA Abiodun Muyideeen (PG14/0687)	March, 2019	PhD	On-going	Major Supervisor
2	Information Classification for Security Risk Management: A fuzzy Logic Approach	ALONGE Yetunde Christianah (PG14/0707)	March, 2016	M.Sc.	Completed	Major Supervisor
3.	An Ontological Approach to Cloud based Software Projects Risk Management through a software Life Cycle	ABIOYE Temitope Elizabeth (PG13/0204)	March, 2017	PhD	On-going	Major Supervisor
4	Design and Implementation for a secured E-assessment	FADAHUNSI Ibukun (PG12/0428)	March, 2014	M.Sc.	On-going	Major Supervisor



	System: A Model based Approach					
6.	An adaptive Employee Performance Appraisal System Based on Henri Fayol's Principles of Management	ADENIYI Babatope (PG13/0381)	March, 2017	M.Sc.	On-going	Major Supervisor
9	Modeling Secure Business Processes for the Cloud	OLAWALE O.Emmanuel (PG15/0001)	March, 2017	M.Sc.	On-going	Major Supervisor
10	Subgraph Matching Using Array With Graph Alignment Method in a Large Graph Database	IKOTUN Abiodun M.	March, 2016	Ph.D	On-going	Co-supervisor
11	An ontological approach to modelling business process for the cloud	Agbaegbu Johnbosco	March 2017	M.Sc./PhD	On-going	Major Supervisor

## EXTRA CURRICULA ACTIVITIES

Reading, travelling and Singing

## REFEREES.

### 1 .Prof. Zhi Jin

Institute of Software Engineering School of Electronics Engineering and Computer Science,  
Peking University Beijing,  
100871, China

### 2. Prof A.T. Akinwale

Department of Computer Science  
FUNAAB, Abeokuta

### 3. Prof. O.J. Adeniran

Department of Mathematics

FUNAAB, Abeokuta.

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**Signature**

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**Date**