

# CURRICULUM VITAE

## 01. PERSONAL

- |                             |  |
|-----------------------------|--|
| i. NAME                     | SODIYA, Adesina Simon  |
| ii. DATE OF BIRTH           | 22 <sup>nd</sup> November, 1969  |
| iii. PLACE OF BIRTH         | Abeokuta   |
| iv. SEX                     | Male   |
| v. MARITAL STATUS           | Married  |
| vi. NATIONALITY             | Nigerian   |
| vii. TOWN & STATE OF ORIGIN | Abeokuta, Ogun State   |
| viii. CONTACT ADDRESS       | Department of Computer<br>Science, Federal University of<br>Agriculture,<br>P. M. B. 2240,<br>Abeokuta, Ogun State, Nigeria. |
| ix. PHONE NUMBER            | 08034551851  |
| x. E-MAIL ADDRESS           | <a href="mailto:sodiyaas@funaab.edu.ng">sodiyaas@funaab.edu.ng</a>   |
| xi. PRESENT POST            | Professor of Computer Science<br>and Information Security  |

## 02. EDUCATIONAL BACKGROUND

- |   |                          |
|---|--------------------------|
| i. EDUCATIONAL INSTITUTIONS ATTENDED WITH DATES |                          |
| (a) University of Agriculture, Abeokuta         | Oct., 1999 – April, 2004 |
| (b) University of Lagos, Nigeria                | Oct., 1997 – March, 1999 |
| (c) Ogun State University, Ago-Iwoye            | Nov., 1995 – Sept., 1997 |
| (d) Ogun State University, Ago-Iwoye            | Oct., 1987 – Sept., 1992 |

ii. **ACADEMIC QUALIFICATIONS WITH DATES**

- (a) Ph.D. (Computer Science) - April, 2004
- (b) M.Sc. (Computer Science) - March, 1999
- (c) MBA (Accounting & Finance) - Sept., 1997
- (d) B.Sc. (Hons) Computer Sc./Stat. - Sept., 1992

iii. **PROFESSIONAL CERTIFICATIONS**

- a. Microsoft Certified IT Professional - 2011
- b. Certified Network Security Specialist (CNSS) - 2020  
(<https://www.icsi.co.uk/certificates/244qsvo4w1>)

iv. **PRIZES, HONOURS, SCHOLARSHIP, NATIONAL AND INTERNATIONAL RECOGNITION**

- a. 2018 most Outstanding member, presented by Academia in Information Technology Profession
- b. 2011 TWAS-AAS-MICROSOFT award for outstanding computer scientist working and living in Africa
- c. IGI global Research Excellence award 2011
- d. A fellow of United Nation University (UNU) in conjunction with International Institute of Software Technology (IIST). 4-month Study and Research fellowship at **UNIVERSITY OF CALGARY, Calgary, Alberta, Canada.** 1<sup>st</sup> September to 21<sup>st</sup> December, 2005. Supervised by Prof. *Yingxu Wang*
- e. A fellow of Nigeria Computer Society (NCS)

03. **WORK EXPERIENCE**

a. Full Time

i. **Professor** (1<sup>st</sup> Oct., 2015 – Date)

Department of Computer Science, University of Agriculture, Abeokuta.

- Duties:*
- Teaching of Computer Science courses at both undergraduate and postgraduate
  - Supervision of undergraduate and postgraduate students
  - Academic research
  - All other responsibilities assigned by the HOD

ii. **Reader** (1<sup>st</sup> Oct., 2012 – 30<sup>th</sup> September, 2015)

Department of Computer Science, University of Agriculture, Abeokuta.

- Duties:*
- Teaching of Computer Science courses at both undergraduate and postgraduate
  - Supervision of undergraduate and postgraduate students
  - Academic research
  - All other responsibilities assigned by the HOD

- iii. **Senior Lecturer** (7<sup>th</sup> Oct., 2008 – 30<sup>th</sup> September, 2012)  
Department of Computer Science, University of Agriculture, Abeokuta.  
*Duties:* - Teaching of Computer Science courses at both  
undergraduate and postgraduate  
- Supervision of students  
- Academic research  
- All other responsibilities assigned by the HOD
- iv. **Lecturer I** (1<sup>st</sup> Oct., 2007 – 6<sup>th</sup> October, 2008)  
Department of Computer Science, University of Agriculture, Abeokuta.  
*Duties:* - Teaching of Computer Science courses at both  
undergraduate and postgraduate  
- Supervision of students  
- Academic research  
- All other responsibilities assigned by the HOD
- v. **Lecturer II** (1<sup>st</sup> May, 2004 – 30<sup>th</sup> Sept., 2007) ,  
Department of Computer Science, University of Agriculture, Abeokuta.  
*Duties:* - Teaching of Computer Science courses at both  
undergraduate and postgraduate  
- Supervision of students  
- Academic research  
- All other responsibilities assigned by the HOD
- vi. **Assistant Lecturer** (10<sup>th</sup> Sept., 2001 – 30<sup>th</sup> April, 2004)  
Department of Mathematical Sciences, University of Agriculture,  
Abeokuta.  
*Duties:* - Teaching of Computer Science courses at both  
undergraduate and postgraduate  
- Supervision of students  
- Academic research  
- All other responsibilities assigned by the HOD
- vii. **Senior System Analyst** (Dec., 1995 – August, 2001)  
Bursary Department, University of Agriculture, Abeokuta, Ogun State  
*Duties:* - System Analysis and Design  
- Programming  
- Running and maintenance software  
- System support

- vii. **System Analyst/Programmer** (Dec., 1993 – Jan.,1995)  
Microboss International Limited, Adeniyi Jones, Ikeja, Lagos State  
*Duties:* - Software Engineering  
- System support  
- System evaluation
- b. Sabbatical
- viii. **Sabatical**  
**Lecturer I** (1<sup>st</sup> September, 2006 – 31<sup>st</sup> August, 2007)  
Department of Computer Science and Mathematics, Babcock University, Ilisan, Ogun State.  
*Duties:* - Teaching of Computer Science courses at both undergraduate and postgraduate  
- Supervision of students  
- Academic research  
- All other responsibilities assigned by the HOD
- ix. **Reader** (1<sup>st</sup> October, 2015 – 31<sup>st</sup> January, 2017)  
Department of Computer Science and Mathematics, Babcock University, Ilisan, Ogun State.  
*Duties:* - Teaching of Computer Science courses at both undergraduate and postgraduate  
- Supervision of students  
- Academic research  
- All other responsibilities assigned by the HOD
- c. **Associate teaching**  
University for Development Studies  
Department of Mathematics and Computer  
Navrongo, Ghana. Sept., 2004 – June, 2005
- d. **TEACHING/ADMINISTRATIVE/PROFESSIONAL EXPERIENCES**
- |       |   |                                |
|-------|---|--------------------------------|
| i.    | Coordinator, CSC 201                        | 2002-2003, 2003 -2004 Sessions |
| ii.   | Coordinator, CSC 701                        | 2003-2013                      |
| iii.  | Secretary, Departmental DTLC committee      | 2003-2004                      |
| iv.   | Postgraduate Coordinator                    | Jan. 2008 – July, 2013         |
| v.    | Member, College Board of Studies            | March 2006 – March 2008        |
| vi.   | Member, College Postgraduate Board          | April 2008 – July. 2013        |
| vii.  | Member, Admission committee                 | March 2008 – 2010              |
| viii. | Ag. Head of Department,<br>Computer Science | August 2013- Date              |

e. **COURSES TAUGHT IN THE LAST THREE SESSIONS**

i. **2017/2018 SESSION**

S/No	COURSES TAUGHT AT UNDERGRADUATE LEVEL		UNITS	NO. OF STUDENTS	NO OF LECTURER
	CODE	DESCRIPTION			
1	CSC 201	Computer Programming	3	2600	7
2	CSC 202	Programming and Algorithms	3	4500	5
3	CSC 315	File organization and Data Processing	3	75	1
4	CSC 322	Computer Operating System I	3	405	1
5	CSC 413	Computer Operating System II	3	75	1
<b>POSTGRADUATE LEVEL (MSc. Computer Science)</b>					
6	CSC 701	Application of Computer in Research	4	400	5
7	CSC 717	Advanced Software Engineering Techniques	3	11	1
8	CSC 714	Cryptography and Computer Security	3	11	1
<b>POSTGRADUATE LEVEL (PGD Computer Science)</b>					
9	PDC 703	Assembly Language	3	11	1
10	PDC 710	System Engineering	3	11	1
<b>POSTGRADUATE LEVEL Masters in Information and Communication Technology, (MICT)</b>					
11	CIT 707	Network Design and Implementation	3	9	1
12	CIT 701	JAVA Programming	3	9	1
13	CIT 712	Computer System Engineering and Maintenance	3	9	1

ii. **2018/2019 SESSION**

S/No	COURSES TAUGHT AT UNDERGRADUATE LEVEL		UNITS	NO. OF STUDENTS	NO OF LECTURER
	CODE	DESCRIPTION			
1	CSC 201	Computer Programming	3	2000	8
2	CSC 202	Programming and Algorithms	3	500	5
3	CSC 413	Computer Operating System II	3	75	1
<b>POSTGRADUATE LEVEL (MSc. Computer Science)</b>					
4	CSC 701	Application of Computer in Research	4	400	5
5	CSC 717	Advanced Software Engineering Techniques	3	35	1
6	CSC 714	Cryptography and Computer Security	3	35	2
<b>POSTGRADUATE LEVEL (PGD Computer Science)</b>					
7	PDC 705	Programming Application I	3	40	
7	PDC 710	System Engineering	3	40	1
<b>POSTGRADUATE LEVEL Masters in Information and Communication Technology, (MICT)</b>					
8	CIT 707	Network Design and Implementation	3	25	1
9	CIT 701	JAVA Programming	3	15	1
10	CIT 712	Computer System Engineering and Maintenance	3	25	1

iii. **2019/2020 SESSION**

S/No	COURSES TAUGHT AT UNDERGRADUATE LEVEL		UNITS	NO. OF STUDENTS	NO OF LECTURER
	CODE	DESCRIPTION			
1	CSC 201	Computer Programming	3	2700	10
4	CSC 308	Computer Applications	3	65	6
5	CSC 413	Computer Operating System II	3	65	1
6	CSC 415	Compiling Techniques	3	65	2
7	CSC 422	Database Design	3	65	2
	<b>POSTGRADUATE LEVEL (MSc. Computer Science)</b>				
8	CSC 701	Application of Computer in Research	4	520	5
9	CSC 717	Advanced Software Engineering Techniques	3	3	1
7	CSC 721	Advanced Computer Architecture	3	35	
10	CSC 714	Cryptography and Computer Security	3	35	1
	<b>POSTGRADUATE LEVEL (PGD Computer Science)</b>				
11	PDC 703	Assembly Language	3	35	1
12	PDC 710	System Engineering	3	35	1
	<b>POSTGRADUATE LEVEL Masters in Information and Communication Technology, (MICT)</b>				
13	CIT 707	Network Design and Implementation	3	25	1
14	CIT 701	JAVA Programming	3	10	1
15	CIT 712	Computer System Engineering and Maintenance	3	25	1

f. **AREAS OF RESEARCH INTEREST**

Computer Security, Bio-informatics, Data Mining, Knowledge-Based Systems, Agent development, Information System and Software engineering

g. **SUPERVISION**

- i. Undergraduate: Supervised 100 undergraduate research projects.
- ii. Postgraduate: Supervised and co-supervised 36 postgraduate diploma projects, 13 M.Sc. theses and 5 Ph.D

h. **EXTERNAL EXAMINER**

- i. Undergraduate external examiner, Department of Physical and Mathematical Sciences, Afe Babalola University, Ado-Ekiti. 2013 - 2015
- ii. Postgraduate external examiner, School of Postgraduate Studies, National Open University of Nigeria 2009 – Date
- iii. Postgraduate external examiner, Department of Computer Science and Engineering, Obafemi Awolowo University, Ile-Ife. 2010 - Date
- iv. Postgraduate external examiner, Department of Computer Science and Engineering, Ladoke Akintola University, Ogbomosho. 2010 – 2012
- v. Undergraduate external examiner, Department of Computer Science, Osun State Polytechnic, Iree 2011 – 2013
- vi. Undergraduate external examiner, Lead City University, Ibadan 2017 - Date

i. **PAPER REVIEWING**

- i. Journal of Informing Science and Information Technology, USA
- ii. International Journal of Information and Computer Security, Switzerland
- iii. Interdisciplinary Journal of Information, Knowledge and Management, USA
- iv. IEEE Transaction on Dependable and Secure Computing
- v. Journal of Computer Science and Its Applications
- vi. IFIP Information Security & Privacy Conference - IFIP Technical Committee (TC-11)

04. **SPECIAL ASSIGNMENT/COMMUNITY SERVICE**

a. **MAJOR ASSIGNMENTS**

- i. President, Nigeria Computer Society (NCS) 2019 - Date
- ii. President, Information Technology Systems and Security Professionals (ITSSP) 2015 - 2019
- iii. Vice President/Vice Chairman of Computer Professionals (Registration Council of Nigeria) 2015 – 2017
- iv. Chairman, Education and Manpower Development Committee, Nigeria Computer Society (NCS) 2013 - 2015

Duties

- Developing strategies for educational development of members
- Coordinating manpower development
- domestic and international requirements for IT research and development
- Managing all NCS Educational and Manpower Development Programmes

- v. Chairman, Publication, Standards, Research and Development Committee, Nigeria Computer Society (NCS) 2011 - 2013

Duties

- Coordinating domestic and international requirements for IT research and development
- Establishing and encouraging standards and best practices
- Managing all NCS publications
- Developing strategies for enhanced research and development in Information and Communication Technology (ICT)

- vi. Chairman, Ogun State Chapter - Nigeria Computer Society, 2009 – 2013

Duties

- Initiating ICT development programmes within the state

- Coordinating the affairs of the society in Ogun State
- Ensuring professional development of members
- Standardising the practice of ICT

vii. Editor-in-chief, Journal of Computer Science and Its Applications  
2011 - 2013

Duties

- Managing articles submission to the journal
- Ensuring publishing of high quality research output
- Publication of peer-reviewed and high quality articles
- Coordinating the effective distribution of publication

viii. Editor-in-chief, Journal of Information Security, Privacy and Digital Forensic

2015 - 2017

Duties

- Managing articles submission to the journal
- Ensuring publishing of high quality research output
- Publication of peer-reviewed and high quality articles
- Coordinating the effective distribution of publication

**b. COMMITTEE SERVED**

- i. Member, Governing Board of National Information Technology Development Agency (NITDA) 2020 – Date
- ii. Member, Broadband Implementation Steering Committee of Federal Ministry of Communications and Digital Economy 2020 - Date
- iii. Chairman, Registration, Regulation and Control Committee of Computer Professionals (Registration Council of Nigeria) 2020 - Date
- iv. Member, Education and Manpower Committee, Nigeria Computer Society (NCS), 2015 to 2019
- v. Member, Conferences Committee, Nigeria Computer Society (NCS), July, 2011 to Date
- vi. Member, University Admission Committee, UNAAB, April 2008 to 2010
- vii. Member, Local Organising Committee, Conference of Nigeria Computer Society, Abeokuta, Nigeria 23<sup>rd</sup> – 27<sup>th</sup> Nov., 2008
- viii. Member, Local Organising Committee, International Conference of Mathematical Scientists, African Mathematical Union, Abeokuta, Nigeria 16<sup>th</sup> – 23<sup>rd</sup> Nov., 2003
- ix. Member, Local organizing committee, 1<sup>st</sup> International Conference on Science and National Development, University of Agriculture, Abeokuta, Nigeria 25<sup>th</sup> – 28<sup>th</sup> Oct., 2004



c. **OTHERS**

- i. Public Relation Officer, Elite Estate Community 2010 – Date
- ii. Financial Secretary, Cityfolks Club of Nigeria 2013 – Date
- iii. Member, Programme accreditation team,  
Polytechnics and Universities
- iv. Supervisor, Joint Admissions and Matriculation Board, 2009 – 2010
- v. Collation Officer, April, 2011 general election
- vi. JAMB Technical Advisor for Ogun State, Nigeria 2017 - Date

05. **TRAINING PROGRAMMES ATTENDED**

a. **Training Programme**

- i. ETF Capacity Building Workshop on  
Information Technology held at, OAU, Ile-Ife Nov, 2003
- ii. International course on Software Project Management,  
Organised by UNU/IIST in conjunction with Department of  
Computer Science, University of Lagos, Nigeria June, 2004
- iii. Workshop on Innovative and Disruptive Technologies  
organized by Academia in Information Technology  
Profession (AITP) in Abuja Oct., 2018

06. **COMMENDATION**

- i. A commendation for outstanding lead paper presentation during  
2011 COEASU International Conference on Contemporary Issues in  
Education, Federal College of Education, Osiele.

07. **MEMBERSHIP OF PROFESSIONAL BODIES**

- i. Fellow, Nigeria Computer Society (NCS) - (No.:- 02280)
- ii. Registered Member, Computer Professionals (Registration Council) of Nigeria  
(CPN) - (No.:- 2186/2008)
- iii. Member, International Institute of Electrical and Electronic Engineering (IEEE)  
- (No.:- 90296684)
- iv. Member, Information Technology Systems and Security Professionals (ITSSP),  
Nigeria
- v. Member, Academia in Information Technology Profession (AITP)

08. **RESEARCH INTEREST AND COMMISSIONED PROJECTS**

**Research in progress:**

- i. A non-text attribute watermarking scheme
- ii. An efficient architecture for preventing and detecting phishing attack
- iii. A dependable architecture for IoT implementation
- iv. Game theory approach for preventing cyberattacks
- v. A robust dual scheme for detecting phishing attack

09. **PUBLICATIONS**

i. **THESIS/DISSERTATION**

- a. SODIYA, A. S. (1992). "Law Office Automation", B.Sc. project, Faculty of Science, Ogun State University, Ago-Iwoye, Nigeria.
- b. SODIYA, A. S. (1998). "Impact of Computerisation of Banking Operation on Customers' Services", MBA project, Faculty Ogun State University, Ago- Iwoye, Nigeria.
- c. SODIYA, A. S. (1999). "Forecasting Enrolment using Fuzzy Time Series – A case Study of University of Agriculture, Abeokuta.", MSc. Dissertation, University of Lagos, Nigeria.
- d. SODIYA, A. S. (2004). "A New Combined Strategy To Intrusion Detection", PhD Thesis, University of Agriculture, Abeokuta, Nigeria.

ii) **PUBLISHED ARTICLES IN LEARNED JOURNALS**

1. **Sodiya, A. S.**, and Longe, H. O. D. (2004). "Intrusion Detection Systems: The problems, Prospects and the Way Forward", *Journal of Applied Computer Science*, Vol. 12, No. 1, pp 83-95, ISSN: 1507-0360, published by Technical University of Lodz, Poland. Available online at <http://www.ics.p.lodz.pl/jacs.html>
2. **Sodiya, A. S.** and Longe, H. O. D. (2004). "Critical Analysis of Current Anomaly-based Intrusion Detection Techniques", *Journal of Computer Science and Its Applications, An International Journal of the Nigeria Computer Society*, Vol. 10, No. 1, pp 64-74, ISSN: 2006-5523, published by Nigeria Computer Society.
3. **Sodiya, A. S.**, Longe, H. O. D., and Akinwale, A. T. (2004). "A New Two-tiered Strategy To Intrusion Detection", *International Journal of Information Management and Computer Security*, Vol. 12, No 1, pp 27-43, ISSN: 0968-5227, published by Emerald, UK. Available online at [www.emeraldinsight.com/imcs.htm](http://www.emeraldinsight.com/imcs.htm)
4. **Sodiya, A. S.**, Longe, H.O.D. and Ibrahim, S. A. (2005). "Data Mining Based Intelligent Equipment Maintenance In Telecommunication Network", *Journal of Applied Computer Science*, Vol. 13, No. 1, pp 29-38, ISSN: 1507-0360, published by Technical University of Lodz, Poland. Available online at <http://www.ics.p.lodz.pl/jacs.html>

5. **Sodiya, A. S.** and Longe, H. O. D. (2005). “An Improved Two-Tiered Strategy To Intrusion Detection”, *International Journal of Information Management and Computer Security*, Vol. 13, No. 3, pp 235-243, ISSN: 0968-5227, published by Emerald, UK. Available online at [www.emeraldinsight.com/imcs.htm](http://www.emeraldinsight.com/imcs.htm)
6. **Sodiya, A. S.**, Longe, H. O. D., and Akinwale, A. T. (2005). “Maintaining Privacy in Anomaly-based Intrusion Detection System”, *International Journal of Information Management and Computer Security*, Vol. 13, No. 1, pp 72-80, ISSN: 0968-5227, published by Emerald, UK. Available online at [www.emeraldinsight.com/imcs.htm](http://www.emeraldinsight.com/imcs.htm)
7. Ogunde A. O., Folorunso O. and **Sodiya A. S.** (2005). “An Improved Algorithm For Mining The Top-k Frequent Itemset With Minimum Length M In Transaction Databases”, *International Journal of Agricultural Sciences, Science, Environment and Technology (ASSET)*, Vol. 4, No. 1., pp 57-73, ISSN 1595-9694, Published by University of Agriculture, Abeokuta, Nigeria.
8. **Sodiya, A. S.**, Ibrahim, S. A., and Ajayi O. B. (2006). “Towards Building Secure Software Products”, *Journal of Issues in Informing Science and Information Technology*, ISSN: 1547-7684, Vol. 3, 2006, pp 635-646, ISSN: 1547-7684, published by Informing Science Institute, USA. Available online at <http://IIST.org>
9. **Sodiya A. S.** (2006): “Multi-level and Secured Agent-Based Intrusion Detection System”, *Journal of Computing and Information Technology*, Vol. 14, No. 3, pp 217-223, ISSN: 1330-1136, published by University of Zagreb, Croatia. Available online at [www.cit.srce.hr](http://www.cit.srce.hr)
10. **Sodiya A. S.** (2007): “A Natural Language Architecture”, *Journal of Computing and Information Technology*, Vol. 15, No. 1, pp 25-32, ISSN: 1330-1136, published by University of Zagreb, Croatia. Available online at [www.cit.srce.hr](http://www.cit.srce.hr)
11. **Sodiya, A. S.**, Onashoga, S. A., and Oladunjoye, B. A. (2007). “Threat Modeling Using Fuzzy Logic Paradigm”, *Journal of Issues in Informing Science and Information Technology*, USA, Vol. 4, 2007, pp 53-61, published by Informing Science Institute, USA. Available online at <http://IIST.org>

12. **Sodiya, A. S.**, Longe, H. O. D., Onashoga, S. A., Awodele, O. and Omotosho, L. O. (2007). “An Improved Assessment of Personality Traits In Software Engineering”, *Interdisciplinary Journal of Information, Knowledge and Management*, Vol. 2, pp 163-177, IISN: 1555-1229, published by Informing Science Institute, USA. Available online at <http://IJIKM.org>
13. **Sodiya, A. S.**, Ikuomola, A. J. and Adeniran, O. J. (2007). “An Expert System-based Site Security Officer”, *Journal of Computing and Information Technology*, Vol. 15, No. 3, 2007, pp 227-235, ISSN: 1330-1136, published by University of Zagreb, Croatia. Available online at [www.cit.srce.hr](http://www.cit.srce.hr)
14. **Sodiya, A. S.**, Longe, H. O. D., and Fasan, O. M. (2008). “Software Security Risk Analysis Using Fuzzy Expert System”, *INFOCOMP: Journal of Computer Science*, Vol. 7, No. 3, pp 70-77, ISSN: 1807-4545, published by Universidade Federal de Lavras, Brazil. Available online at [www.dcc.ufla.br/infocomp](http://www.dcc.ufla.br/infocomp)
15. **Sodiya, A. S.** and Onashoga, S. A. (2009). “Components-based Access Control Architecture”, *Journal of Issues in Informing Science and Information Technology*, USA, Vol. 6, 2009, pp 53-61, ISSN: 1547-7684, published by Informing Science Institute. Available online at <http://IIST.org>
16. Onashoga, S. A., **Sodiya, A. S.**, and Omotoso, B. G. (2009). “A Tabu Search Algorithm for Consumer Financial Optimization System”, *Journal of Computer Science and Its Applications*, Vol. 16, No. 1, June, 2009, ISSN: 2006-5523, published by Nigeria Computer Society.
17. **Sodiya, A. S.**, Onashoga, S. A. and Adepoju, B. T. (2009). “Evaluating the Impact of Intrusions on Computer System”, *Journal of Computer Science and Its Applications*, Vol. 16, No. 1, June, 2009, ISSN: 2006-5523, published by Nigeria Computer Society, Nigeria.
18. Onashoga, S. A., Akinde, D. A. and **Sodiya, A. S.**, (2009). “A Strategic Review of Existing Mobile Agent-Based Intrusion Detection Systems ”, *Journal of Issues in Informing Science and Information Technology*, USA, Vol. 6, 2009, pp 669-682, published by Informing Science Institute, USA. Available online at <http://IIST.org>

19. **Sodiya, A. S.**, Akinwale, A. T., Okeleye, S. A. and Emmanuel, J. A. (2010). "A Decision Support System for Intercropping", *International Journal of Decision Support System Technology*, Vol. 2, No. 3, 2010, pp. 51-66., ISSN: 1941-6296, published by Information Resources Management Association, USA. Available online at [www.igi-global.com/ijdsst](http://www.igi-global.com/ijdsst)
20. Elugbadebo, O. J., **Sodiya, A. S.** and Folorunso, O. (2010). "A Multi-dimensional Constraint Gradient Mining", *Journal of Natural Science, Technology (JNSET)*, Vol 8, No. 1, ISSN: 1595-9694, published by University of Agriculture, Abeokuta, Nigeria.
21. **Sodiya, A. S.**, Folorunso, O. and Ogunderu, O. P. (2011). "An Improved Semi-Global Algorithm for Masquerade Detection", *International Journal of Network Security*, Vol. 13, No. 1, 2011, pp. 31-40, ISSN: 1816-353X, published by National Chung Hsing University, Taiwan. Available online at <http://ijns.femto.com.tw/>
22. **Sodiya, A. S.**, Folorunso, O., Komolafe, P. A. and Ogunderu, O. P. (2011). "Preventing Authentication Systems from Keylogging Attacks", *International Journal of Privacy and Security*, Vol. 7, No. 2, pp 3-27, ISSN: 1553-6548, published by Information Resource Management Association, USA. <http://jips.cob.tamucc.edu/issues.htm>
23. **Sodiya, A. S.**, Onashoga, S. A., Afolunso A. A. and Ogunderu, O. P. (2011). "A Countermeasure Algorithm For Password Guessing Attack", *International Journal of Information and Computer Security*, Vol. 4, No. 4, ISSN: 1744-1765, published by Inderscience, Switzerland. <http://www.inderscience.com/browse/index.php?journalID=151>
24. Onashoga, S. A., **Sodiya, A. S.**, Akinwale, A. T. and Falola, O. E. (2011). "Mining of prevalent ailments in health database using fp-growth algorithm", *International Journal of Data Engineering*, Vol. 2, No. 2, ISSN: 2180-1274, published by Computer Science Press (CSC Journals), Malaysia. Available online at <http://cscjournals.org/csc/description.php?JCode=IJDE>
25. Adewole, A. P., **Sodiya, A. S.** and Arowolo, O. A. (2011). "A Receipt-free Multi-Authority E-Voting System", *International Journal of Computer Applications*, Vol. 30, No. 6, pp 15-23, published by Foundation of Computer Science, New York, USA.

26. Ogunde A. O., Folorunso O., **Sodiya A. S.**, Oguntuase, J. A. and Ogunleye, G. O. (2011). "An improved cost models for agent-based association rule mining in distributed databases", *Anale. Seria Informatica*, Vol. IX fasc. 1, pp 231– 250, published by "Tibiscus" University, Romania.
27. Ogunde, A .O., Folorunso, O., **Sodiya, A. S.** and Ogunleye, G. O. (2011). "A Review of Some Issues and Challenges in Current Agent-Based Distributed Association Rule Mining", *Asian Journal of Information Technology*, Vol. 10, No. 02, 2011, pg 84-95, published by Medwell Journal, Pakistan.
28. Orunsolu, A. A., **Sodiya, A. S.** and Oyekan, D. F. (2012). "Destructible Password Functionality Authentication Protocol", *African Journal of Computing and ICTs*, Vol. 5, No. 2, ISSN: 2006-1781, published by IEEE Nigeria Computer Chapter. Available online at <http://www.ajocict.net>
29. Onashoga, S. A., **Sodiya, A. S.**, and Afolorunso, A.(2012). "A One-time Sever-specific Password Authentication Scheme", *Journal of Computing and Information Technology*, Vol. 20, No. 2, pp 85-93, ISSN: 1330-1136, published by University of Zagreb, Croatia. Available online at [www.cit.srce.hr](http://www.cit.srce.hr)
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- iv. **PAPERS IN REFEREED CONFERENCE PROCEEDINGS**
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50. **Sodiya, A. S.** and Folorunso, O. (2000). "Developing An Issue-based Decision Support System For Government Cabinet", *Proceedings of the 16<sup>th</sup> National Conference of Computer Association of Nigeria (COAN)*, C. O. Uwadia, H. O. D. Longe and A. D. Akinde (Eds) pp 221-232, published by COAN.
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69. Okoro, U. R., **Sodiya, A. S.**, Awodele O. and Kuyoro, O. S, D. A. (2016). A Game Ontology Model For Acquiring Business Skills, *Proceedings of the 2<sup>nd</sup> International Conference on Intelligent Computing and Emerging Technologies*, held between 20 – 22 November, 2016 at Babcock University, Ilisan, Ogun State.
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71. Orunsolu A. A. and **Sodiya, A. S.** (2017). An Anti-Phishing Kit Scheme for Secure Web Transactions, *Proceedings of the 3<sup>rd</sup> International Conference on Information Systems and Privacy*, Portugal held between 19 – 21 February, 2017.

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73. Adigun M. F., Orunsolu A. A., **Sodiya A. S.** and Onashoga, S. A. (2018). An Efficient Framework for a Secured Internet of Things Architecture, *Proceedings of the 1<sup>st</sup> International Conference of Education and Development*, Organised by Academia in Information Technology, Abuja, between 25 – 27 April, 2018.
74. **Sodiya, A. S.**, Mustapha A. M, Adegboyega, A. A. and Odeniyi, O. Y. (2019). A Framework for Participatory E-government System, *Proceedings of the 2<sup>nd</sup> International Conference of Education and Development*, Organised by Academia in Information Technology, Abuja, between 24 – 26 April, 2019.
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#### 10. MAJOR CONFERENCES ATTENDED

- i. IT Assembly of Computer Professionals (Registration Council)
- ii. (CPN) of Nigeria held in Abuja (hybrid) April 2021
- iii. International Conference of Nigeria Computer Society (Virtual) – August, 2020
- iv. IT Assembly of Computer Professionals (Registration Council)
- v. (CPN) of Nigeria held in virtually, July, 2019
- vi. National Conference of Nigeria Computer Society held in Ibadan, Oyo State, July, 2018
- vii. IT Assembly of Computer Professionals (Registration Council) (CPN) of Nigeria held in Abuja, June, 2018
- viii. IT Assembly of Computer Professionals (Registration Council)
- ix. (CPN) of Nigeria held in Calabar, June, 2017
- x. IT Assembly of Computer Professionals (Registration Council)

- (CPN) of Nigeria held in Calabar, June, 2015
- xi. IT Assembly of Computer Professionals (Registration Council) (CPN) of Nigeria held in Kaduna, June, 2016
- xii. IT Assembly of Computer Professionals (Registration Council) (CPN) of Nigeria held in Calabar, June, 2017
- xiii. IT Assembly of Computer Professionals (Registration Council) (CPN) of Nigeria held in Calabar, June, 2015
- xiv. 1<sup>st</sup> International Conference on Advanced Computerised Systems and Emerging Technologies (ICACSET 2014), organized by Department of Computer Science, Babcock University in conjunction with Nigeria Computer Society, held at Babcock University, Ilisan, Ogun State.
- xv. International Conference of Nigeria Computer Society held in Enugu, Enugu State. July, 2014
- xvi. Key Competencies in Informatics and ICT (KEYCIT), 2014 IFIP TC3 Annual Conference, held in Potsdam, Germany.
- xvii. IT Assembly of Computer Professionals (Registration Council)
- xviii. (CPN) of Nigeria held in Abuja, June, 2014
- xix. International Conference of Nigeria Computer Society held in Iloko-Ijesa, Oyo State. July, 2013
- xx. Annual Computer Security Applications Conference (ACSAC) held in Orlando, USA - December 2012.
- xxi. International Conference of Nigeria Computer Society held in Uyo, Akwa-Ibom State. July, 2012
- iii. International Conference of Nigeria Computer Society held in Abuja. July, 2011
- iv. 8<sup>th</sup> International Conference on Information Technology: New Generations, Las Vegas, USA,
- v. IT Assembly of Computer Professionals (Registration Council) (CPN) of Nigeria held in Abuja, June, 2011
- vi. AAS-icipe-TWAS-ROSSA Conference on ‘Climate Change and Food Security’, in Nairobi, Kenya. November, 2011
- vii. “Education: Issues in ICT deployment”, lead paper presentation at the 1<sup>st</sup> International Conference on Contemporary Issues in Teachers Education In Sub-Saharan Africa organized by Colleges of Education Academic Staff, Federal College of Education, Abeokuta, Ogun State. March, 2011.
- viii. “Towards efficient implementation of health informatics”, lead paper presentation at 1<sup>st</sup> International Conference on ICT and Health delivery organized by Colleges of Health Technology, Ilese, Ogun State. February, 2011.
- ix. International Conference of Nigeria Computer Society held in Asaba, Delta State. July, 2010  
Paper read:- “An Agent-Based Framework For Secure E-Voting”

- vi. “Using ICT as a tool for social economic renaissance”, Lead paper presentation at the the 2<sup>nd</sup> National Conference of Faculty of Information And Communication Technology, Osun State Polytechnic, Osun State, April, 2010.
- vii. IT Assembly of Computer Professionals (Registration Council) (CPN) of Nigeria held in Abuja. June, 2009
- x. International Conference of Nigeria Computer Society (NCS) Conference, Abeokuta. June, 2008  
Paper read:- “A Framework for Mixed Cropping Decision Support System”
- xi. Informing Science conference, Florida, USA, 2006
- xii. Computer Association Of Nigeria Conference, Abuja June, 2002
- xiii. Computer Association Of Nigeria Conference, Benin June, 1999
- xiv. Computer Association Of Nigeria Conference, Abuja June, 1998
- xv. Computer Association Of Nigeria Conference, Calabar, June, 1997

#### 11. INFORMATION ON FELLOWSHIP, MASTER’S PROJECTS AND PH.D. THESIS SUPERVISED

S/No	Title of Thesis	Name of Student	Date/ Year of Commencement	Status /Date of completion	Sole/ Collaborative Supervision
<b>M.Sc Dissertation</b>					
1	An adaptive neuro-fuzzy inference system for crop yield prediction	Badru, Wakilat	2013	Completed / 2017	Major
	An intelligent malware detection system	Falana, Olorunjube	2012	Completed/ 2015	Major
2	Database watermarking technique for text attributes based on linguistic transformation	Yusuf, Adeyemi	2009	Completed/ 2012	Major
3	Ontology design for distributed intrusion detection system	Shonubi, Adedeji J.	2009	Completed/ 2014	Minor
4	A multi-level protocol for secured mobile communication protocol	Fadeyi, Ismael	2009	Completed/ 2013	Minor
5	A combined approach to distributed password authenticated key exchange protocol	Orunsolu, Abiodun A.	2007	Completed/ 2010	Major
6	An integrated decision support system for intercropping	Emmanuel, Adejoke J	2007	Completed/ 2010	Major
7	Contextual risk-based access control system	Adejinmi, Olusesi A.	2006	On-going/ 2013	Major
8	A multi-authority e-voting architecture using el-gamar	Odedeji, Oluremi A.	2003	Completed / 2011	Minor
9	A neural network-based intrusion	Akinola,	2002	Completed/	Major

	detection system	Oluwatoyin		2010	
10	Framework for interactive visualization of multidimensional data	Dosunmu, Amos Ajayi	2002	Completed/ 2010	Minor
11	A knowledge-based visual analytics query system	Bello, Adesina T.	2002	Completed/ 2010	Minor
12	Weather modeling using a stationary multivariate time series approach	Lawson, Michael Adesola	2001	Completed / 2011	Minor
13	A framework for citizen centric e-government system	Adegboye, Adegboyega	2001	Completed, Feb. 2011	Major
14	A framework for visualising fraud detection	Okonji, Nwafor C	2001	Completed / 2011	Minor
<b>Ph.D Thesis</b>					
15	Preserving privacy in the Cloud	Tinubu, Oreoluwa	2015	On-going	Major
16	Enhancing security in human-computer interaction	Agholor, Sunday	2010	Completed / 2019	Major
17	A sign-based graphical authentication system	Elugbadebo,	2009	Completed / 2015	Major
18	Securing grid computing architecture	Aborisade, Olaniyi	2009	Completed,/ 2018	Major
19	An adaptive and cost sensitive intrusion response system	Ikuomola, Aderonke J.	2008	Completed / 2012	Major
20	An adaptive architecture for distributed data mining	Ogunde, A. O.	2008	Completed / 2017	Minor
21	Univariate control charts and intersample disparity based on ordered data	Alabi-labaika, Abraham	2007	Completed/ 2012	Minor
22.	Control Integrity Model	Oni, Olujinmi	2018	On-going	Major

## 12. EXTRA CURRICULA ACTIVITIES

Playing football, Tennis and Chess games

### **REFEREES**

- i. **PROF. A. T. AKINWALE**  
DEPARTMENT OF COMPUTER SCIENCE  
COLLEGE OF PHYSICAL SCIENCES  
FEDERAL UNIVERSITY OF AGRICULTURE  
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