CURRICULUM VITAE

01. PERSONAL

i)	**Name**	**TINUBU,** Carolyn Oreoluwa (nee **Oloruntoba)**
ii)	**Date of Birth**	6th January
iii)	**Place of Birth**	Abeokuta, Ogun State
iv)	**Sex**	Female
v)	**Marital Status**	Married
vi)	**Nationality**	Nigerian
vii)	**Town and State of Origin**	Iyamerin, Kogi State
viii)	**Contact Address**	Department of Computer Science
		Federal University of Agriculture
		Abeokuta.
ix)	**Phone number**	08066296775
x)	**Email address**	tinubuco@funaab.edu.ng
		oloruntobaoreoluwa@gmail.com
xi)	**Present Post**	Lecturer II, CONUASS 03 STEP 03

02. EDUCATIONAL BACKGROUND

i) **EDUCATIONAL INSTITUTIONS ATTENDED**

a) Federal University of Agriculture, Abeokuta	**2016 - Till Date**
b) University of Lagos, Lagos	**2012-2014**
c) Karrox Computer Education Centre, Lagos	**2011**
d) Federal University of Agriculture, Abeokuta	**2006 -2010**
e) Taidob College, Abeokuta	**2003-2006**
f) Sacred Heart Catholic College, Abeokuta	**2000-2003**
g) St. Bernadettes' Nur. & Pry. School, Abeokuta	**1994-2000**

ii) **ACADEMIC AND PROFESSIONAL QUALIFICATIONS**

a) M.Sc. (Computer Science)	**2014**
b) MCTS: Windows Server 2008 Active Directory, Configuration	**2011**
c) B.Sc. (Computer Science) - Second Class Upper	**2010**

    d)   West African Senior School Certificate Examination (WASSCE) **2006**

    e)   First School Leaving Certificate   **2000**

  iii)   **PRIZES, HONOURS, SCHOLARSHIP AND RECOGNITION**

    a)   Academic Staff Union of Universities (ASUU) Research Grant   **2021**

    b)   Recognition of Service from Association for Computing Machinery (ACM)

                            2021

    c)   Jim Ovia & NCS Postgraduate Scholarship   **2016**

    d)   Senior Prefect Girl, Taidob College, Abeokuta   **2006**

03.   **WORK EXPERIENCE**

    A)   **TEACHING AND RESEARCH**

    i)   **LECTURER II**   **(October, 2018 - Till Date)**

    Department of Computer Science, Federal University of Agriculture, Abeokuta.

    Duties: - Teaching of Computer Science courses at Undergraduate level

             - Supervision of Undergraduates' project

             - Academic Research

             - Result processing and all other responsibilities as assigned by the HOD

    ii)   **ASSISTANT LECTURER**   **(January, 2015 - September, 2018)**

    Department of Computer Science, Federal University of Agriculture, Abeokuta.

    Duties: - Teaching of Computer Science courses at Undergraduate level

             - Supervision of Undergraduates' project

             - Academic Research

             - Supervision of Practical classes

             - Result processing and all other responsibilities as assigned by the HOD

COURSES TAUGHT IN THE LAST THREE SESSIONS

- **2019/2020 SESSION**

S/N	COURSES TAUGHT AT UNDERGRADUATE LEVEL		UNITS	NO. OF STUDENTS	NO OF LECTURERS	CONTRIBUTION
	CODE	**DESCRIPTION**				
1	CSC 206	Theory of Computation	2	130	2	Coordinator /Lecturer
2	CSC	System Analysis and Design	3	250	3	Lecturer

S/N			UNITS	NO. OF STUDENTS	NO OF LECTURERS	CONTRIBUTION
		214				
3	CSC 205	Discrete Computation	3	140	1	Lecturer
4	CSC 215	Information Law and Ethics	1	140	2	Coordinator /Lecturer
5	CSC 309	Information Technology Management	3	98	1	Lecturer
6	CSC 491	Seminar I	1	80	12	Lecturer
7	CSC 492	Seminar II	1	80	12	Coordinator /Lecturer

- **2018/2019 SESSION**

S/N	COURSES TAUGHT AT UNDERGRADUATE LEVEL		UNITS	NO. OF STUDENTS	NO OF LECTURERS	CONTRIBUTION
	CODE	DESCRIPTION				
1	CSC 206	Theory of Computation	2	190	2	Coordinator /Lecturer
2	CSC 205	Discrete Computation	3	120	1	Lecturer
3	CSC 309	Information Technology Management	3	90	1	Lecturer
4	CSC 491	Seminar I	1	90	12	Lecturer
5	CSC 492	Seminar II	1	90	12	Coordinator /Lecturer

- **2017/2018 SESSION**

S/N	COURSES TAUGHT AT UNDERGRADUATE LEVEL		UNITS	NO. OF STUDENTS	NO OF LECTURERS	CONTRIBUTION
	CODE	DESCRIPTION				
1	CSC 206	Theory of Computation	2	180	2	Coordinator /Lecturer
2	CSC 205	Discrete Computation	3	105	1	Lecturer
3	CSC 309	Information Technology Management	3	65	1	Lecturer
4	CSC 492	Seminar	1	80	11	Coordinator /Lecturer

B) **PROFESSIONAL EXPERIENCES**

1)   **Employer:**   COMPLIANCE AND CONTENT MONITORING LTD.
                        Adeniran Ogunsanya, Surulere, Lagos
    Designation: Data Analyst   **(March, 2014- December, 2014)**
    Duties:

        - Analysis and classification of data for clients
        - Providing Competitive data to clients (Share of Expenditure and Share of Market)
        - Providing IT solutions to clients

2) **Employer:** AIRTEL NIGERIA
Opic Plaza, Oke-Ilewo, Abeokuta, Ogun State
Designation: Customer Solutions Agent **(August, 2012- November, 2012)**
Duties:

- Complaints resolution and troubleshooting
- System support

3) **Employer:** ACCESS BANK PLC.
Victoria Island, Lagos State.
Designation: Team Member,
Customer Data Maintenance Services **(NYSC, April 2011- 2012)**
Duties:

- Data maintenances on customers' records
- Authorization of new accounts

4) **Employer:** EF-ONEWEB EDUCATION AND SOFTWARE DEVELOPMENT
CENTRE   Panseke, Abeokuta.
Designation: Industrial Trainee **(July, 2009 – October, 2009)**
Duties :

- Database creation
- System installations and support

04. SPECIAL ASSIGNMENTS / COMMUNITY SERVICE

(A) UNIVERSITY SPECIAL ASSIGNMENTS

i) **Secretary**, Departmental Board, Department of Computer Science, College of Physical Sciences, FUNAAB. **August, 2019 - Till Date**

ii) **Chair,** Association for Computing Machinery-Women (ACM-W) Nigeria, FUNAAB Student Chapter **2017 – 2021**

iii) **Assistant Part Time Coordinator**, Department of Computer Science, FUNAAB. **2016 – 2019**

iv) **Secretary**, Information Security and Intelligent Computing Research Group, Department of Computer Science, FUNAAB **2017 - Till Date**

v) **Level Adviser,** 400 Level Students, Department of Computer Science, FUNAAB. **February, 2021 – Till Date**

vi) **Level Adviser,** 300 Level Students, Department of Computer Science, FUNAAB. **February, 2019 - 2020**

(B) COMMUNITY SERVICE

i) **Radio Lecturer,** Today's Class Programme, FUNAAB Radio 89.1, Alabata. **2021**

ii) **Technical Assistant,** JAMB Unified Tertiary Matriculation Examination (UTME)

2019 - Till Date

iii) **Proctor,** JAMB Unified Tertiary Matriculation Examination (UTME) CBT

2017 – 2019

iv) **Sponsor,** "Celebrate Jesus" Group, FUNAAB Chapter   **2010-Till Date**

v) **Member, Local Organizing Committee**, 3RD International Conference on Applied Information Technology, AIT 2019, Abeokuta   **2019**

vi) **Secretary**, Welfare Unit of the Redeemed Christian Church of God (RCCG), Jesus Planet Parish, Obantoko, Abeokuta.   **2017- Till Date**

05.   TRAINING PROGRAMMES ATTENDED

i) A Webinar on Deep Learning for Medical Imaging
Organised by Association for Computing Machinery-Women (ACM-W)
FUNAAB Student Chapter   **July, 2021**

ii) Academic Retreat on University Ethics, Pedagogy and Examination Matters
Organised by the Federal University of Agriculture, Abeokuta   **June, 2021**

iii) A Webinar on Secure Deep Learning Engineering: A Road Towards Quality Assurance of Intelligent Systems
Organised by Association for Computing Machinery-Women (ACM-W)
FUNAAB Student Chapter   **April, 2021**

iv) Workshop on Referencing for Academic Writing
Organised by Association for Computing Machinery-Women (ACM-W)
and the Department of Computer Science, FUNAAB.
Held at Federal University of Agriculture, Abeokuta   **November, 2019**

v) Workshop on Mentoring: Building a New Generation.
Organised by Nigerian Women in STEM (Science, Technology, Engineering and Mathematics)
Held at Federal University of Agriculture, Abeokuta   **October, 2019**

vi) Workshop on Ethical Hacking and Incidence Handling
Held at Lagos Chamber of Commerce and Industry Center, Lagos **October, 2017**

vii) Capacity Building Workshop on Modern methods of Teaching and Learning in Higher Education

Held at Federal University of Agriculture, Abeokuta　　　　**January, 2016**

viii) Electronic Teaching and Learning Platform

Held at Federal University of Agriculture, Abeokuta　　　　**October, 2015**

ix) Advanced Digital Appreciation Programme for Tertiary Institutions (ADAPTI) Training

Held at Federal University of Agriculture, Abeokuta　　　　**May, 2015**

x) Project Management Professional Training

Organized by Ef-Oneweb Education & Software Development Centre

November, 2010

06.　COMMENDATION

NIL

07.　MEMBERSHIP OF PROFESSIONAL BODIES

i) Member, Association for Computing Machinery (ACM)　　　　**ID: 6160604**

ii) Member, Nigeria Computer Society (NCS)　　　　**MRN: 09397**

iii) Member, Microsoft Certified Professional　　　　**ID: 8949142**

iv) Member, Information Technology Systems & Security Professionals (ITSSP)

ID: 0150103

08.　RESEARCH INTERESTS OR COMMISSIONED PROJECTS

i) Research Completed (but not yet published)

a) A Behavioral Model for Flooding-based Distributed Denial of Service (DDoS) Attacks

2021

b) A Game-Theoretic Framework for Attack-Defense Systems　　**2021**

c) A Classification Model for Flooding DDoS Attacks and Flash Events using Decision Tree Algorithm　　**2021**

d) A Differential Privacy Framework for Query Responses　　**2017**

e) Securing Query Privacy In A Relational Database System Using Private Information Retrieval. M.Sc. Project, University of Lagos.　　**2014**

ii) Research In Progress

a) Game Theoretical Models for Cyber Security

b) Flooding-based DDoS Mitigation Mechanisms

c) Adaptability of Machine Learning Models for Malware Detection

09.   PUBLICATIONS

i)   Thesis, Dissertation and Projects

1. **Oloruntoba**, **C. O. (2014).** "Securing Query Privacy In A Relational Database System Using Private Information Retrieval". **M.Sc. Dissertation**. Department of Computer Sciences, University of Lagos, Nigeria (Unpublished).

2. **Oloruntoba, C. O. (2010).** "Enhancing Team Collaboration in Project Management using Social Networking". **B.Sc. Project**, Department of Computer Science, Federal University of Agriculture, Abeokuta. Nigeria (Unpublished).

ii)   Journal Articles in Print

1) Salako, O. S., **Oloruntoba, C. O.,** Sanusi O. V. and Maruf-Sogeyinbo, A. A. (2016): A Fashion Colour Combination Visualization Model Using Genetic Algorithm. *Journal of Natural Sciences, Engineering and Technology (JNSET).* 15(2); 51-60, Published by Federal University of Agriculture, Abeokuta, Nigeria

2) **Tinubu, C. O**. and Ajibola, O. A. G. (2017): Enhancing RSA Cryptosystem with Data Compression.   *In International Journal of Information Security, Privacy & Digital Forensics*. 1(1); 24-28, Published by the Nigeria Computer Society (NCS), ISSN: 2636-6134.

3) Abdullahi, M. O., Sodiya, A. S., Onashoga, S. A. and **Tinubu C. O.** (2019): An Intelligent Incidence Reporting System for Online Attacks. *In International Journal of Information Security, Privacy & Digital Forensics.* 3(1); 72-82, Published by the Nigeria Computer Society (NCS), ISSN: 2636-6134.

4) **Tinubu, C. O.,** Aborisade, D. O., Sodiya, A. S., Onashoga, S. A. and Ganiyu, M. A. (2019): Towards Detecting Credit Card Frauds Using Hidden Markov Model. *Journal of Computer Science and Its Application*. 26(2); 54-63, Published by the Nigeria Computer Society (NCS), Available online at https://www.ajol.info/index.php/jcsia/article/view/193182

5) Aborisade, D. O., Kareem, O. J., Onashoga, S. A., **Tinubu, C. O.** and Agholor, S. (2020): Detecting DDoS Attacks in Software Defined Networking. *Journal of Information Security, Privacy & Digital Forensics.* 4(2); 45-54, Published by the Nigeria Computer Society (NCS), Available Online at https://library.ncs.org.ng/journal-of-information-security-privacy-and-digital-forensic-volume-4-no-2-june-2020/

6) **Tinubu C. O.,** Falana O. J., Aborisade D. O., Adejimi O. A and Akinmusire C. B. (2021): DDoSDetect: A Behavioral Detection System for HTTP GET Flood Attacks. *Journal of Applied Science and Technology*. 1(1); 102-114, Published by Mountain Top University, Nigeria.

iii)   Edited Conference Proceedings

7) **Oloruntoba, C. O.** and Sodiya, A. S. (2015): A Noise Perturbation Framework towards Enhancing Privacy in Big Data Computing: **In Proceedings of the 1st International Conference on Applied Information Technology,** A.T Akinwale, O.A Ojesanmi, S.A Onashoga and A. Abayomi-Alli (Eds.) 103-106, Published by Nigeria Computer Society (NCS) and Department of Computer Science, Federal University of Agriculture, Abeokuta.

8) **Oloruntoba, C. O.,** Onashoga, S. A., Oladele, O. O. and Famuyiwa, K. S. A. (2015): Crypt-PIR: A Privacy Preserving Architecture for Query Response: **In Proceedings of the 1st International Conference on Applied Information Technology,** A.T Akinwale, O.A Ojesanmi, S.A Onashoga and A. Abayomi-Alli (Eds.), 221-227, Published by Nigeria Computer Society (NCS) and Department of Computer Science, Federal University of Agriculture, Abeokuta.

9) **Oloruntoba, C. O** and Sodiya, A. S. (2015): Privacy-Enhancing Big Data Computing in Financial Institutions: **In Proceedings of the 12th International Conference of Nigeria Computer Society (NCS),** C.O Uwadia, G.A Aderounmu and A.S Sodiya (Eds.) 26: 53-62, Published by the Nigeria Computer Society (NCS).

10) **Tinubu, C. O**., Sodiya A. S., Aborisade, D. O. and Afaraetu, R. (2019): PHISLIGENT: An Intelligent Anti-phishing Classifier: **In Proceedings of the 3rd International Conference on Applied Information Technology,** A.T Akinwale, O. Folorunso, E. Godspower and S.A

Onashoga (Eds.) 202-210, Published by Nigeria Computer Society (NCS) and Department of Computer Science, Federal University of Agriculture, Abeokuta.

11) Aborisade, D. O., **Tinubu, C. O.,** Agholor, S. and Alowosile, O. Y. (2019): A Two-End Reputation Trust Management Architecture for Cloud Database Service: **In Proceedings of International Conference on Developmental Sciences and Technologies.** Federal University of Agriculture, Abeokuta, Nigeria. 27-30 August, 2019, pp. 14-19.

12) Falana, O. J., Ebo, I. O., **Tinubu, C. O.,** Adejimi, O. A. and Ntuk, A. (2020): Detection of Cross-Site Scripting Attacks using Dynamic Analysis and Fuzzy Inference System: **In 2020 International Conference in Mathematics, Computer Engineering and Computer Science (ICMCECS).** pp. 1-6. Published by IEEE. DOI: 10.1109/ICMCECS47690.2020.240871 **(Indexed in Scopus).**

10. MAJOR CONFERENCES ATTENDED

i) 3rd International Conference on Applied Information Technology
Held in Federal University of Agriculture, Abeokuta. **October, 2019**

ii) 1st International Conference on Developmental Sciences and Technologies
Held in Federal University of Agriculture, Abeokuta. **August, 2019**

iii) 2017 Information Security Conference
Held in Ikeja, Lagos State. **October, 2017**

iv) 2nd International Conference on Applied Information Technology
Held in Federal University of Agriculture, Abeokuta. **October, 2017**

v) International Research and Knowledge Transfer Conference on Big Data, Analytics and Innovation
Held in Baze University, Abuja. **November, 2015**

vi) 1st International Conference on Applied Information Technology
Held in Federal University of Agriculture, Abeokuta. **October, 2015**

vii) International Conference of Nigeria Computer Society (NCS)
Held in Akure, Ondo State. **July, 2015**

11. FELLOWSHIP, MASTERS AND Ph.D SUPERVISED

i) **FELLOWSHIP**
NIL

ii) **STUDENTS SUPERVISION**
UNDERGRADUATES: 27 (COMPLETED), 5 (ON-GOING)

12.   EXTRA CURRICULAR ACTIVITIES
Catering and Singing

13.   REFEREES
a) **PROF. A.T. AKINWALE**

Department of Computer Science,

Federal University of Agriculture, Abeokuta. Ogun State.

Email: aatakinwale@yahoo.com

b) **PROF. A.S. SODIYA**

Department of Computer Science,

Federal University of Agriculture, Abeokuta. Ogun State.

Email: sodiyaas@unaab.edu.ng

c) **PROF. (MRS) D.A. ADEGBITE**

Department of Agricultural Economics & Extension,

Federal University of Agriculture, Abeokuta. Ogun State.

Email: adegbiteda@funaab.edu.ng

12/10/2021

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Signature   **Date**