

CURRICULUM VITAE



Zacchaeus Oni **OMOGBA DEGUN**

BSc (Computer Science), MSc (Computer Science), Ph.D (Computer Science)

Assistant Professor (Computer Science) / Researcher (Biomedical Engineering and Medical Informatics)

- 1. Name in Full:** OMOGBA DEGUN, Zacchaeus Oni
- 2. Place of Birth:** Supare, Akoko South-West Local Govt Area, Ondo State
- 3. Date of Birth:** 2nd June 1953
- 4. Residence:** Duplex A6, New Green Estate, Covenant University Staff Quarters, Covenant University, Km 10, Idiroko Road, Canaanland, Ota, Ogun State, Nigeria
- 5. Present Postal Address:** Computer & Information Sciences Department, College of Science & Technology, Covenant University, Km 10, Idiroko Road, Canaanland, Ota, Ogun State, Nigeria
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- URL (Homepage):** <http://covenantuniversity.edu.ng/Profiles/OMOGBA DEGUN-Zacchaeus-Oni>
- 8. a. Google Scholar Citations page:** https://scholar.google.com/citations?user=Z6q_K0QAAAAJ&hl=en
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- 9. Telephone (Mobile):** +234(0)8035062887, +234(0)8057934497
- 10. Nationality At Birth:** Nigerian
- 11a. State of Origin:** Ondo State, Nigeria
- 11b. Local Government Area:** Akoko-South-West LGA, Ondo State, Nigeria
- 12. Marital Status:** Married
- 13. Number & DOB of Children:** (4) (DOB: 1982, 1984, 1987, & 1998 respectively)

14. Institutions Attended With dates

| | | |
|---|-------------------|---|
| 1 | 11/2005 - 08/2012 | Covenant University, Ota, Ogun State, Nigeria |
| 2 | 12/2001 – 06/2003 | University of Lagos, Lagos, Lagos State, Nigeria |
| 3 | 09/1975 – 07/1979 | University of Ibadan, Ibadan, Oyo State, Nigeria |
| 4 | 01/1969 – 12/1972 | Ajuwa Grammar School, Okeagbe, Akoko North-West, Ondo State |
| 5 | 01/1968 - 12/1968 | Ondo Boys High School, Ondo, Ondo State, Nigeria |

15a. Academic Institutions Attended with Dates

| | | |
|------------|--|-------------|
| Tertiary: | Covenant University, Ota, Nigeria | 2005 - 2012 |
| | University of Lagos, Lagos, Nigeria | 2001 – 2003 |
| | University of Ibadan, Ibadan, Nigeria | 1975 – 1979 |
| Secondary: | Ajuwa Grammar School, Okeagbe – Akoko, Ondo State, Nigeria, | 1969 – 1972 |
| | Ondo Boys High School, Ondo, Ondo State | 1968 - 1968 |
| | Salvation Army Sec. Modern School, Supare – Akoko, Ondo State, Nigeria | 1965 – 1967 |
| Primary: | St. James' Ang. Primary School, Supare – Akoko, Ondo State, Nigeria | 1959 – 1964 |

15. (b). Academic & Professional Qualifications obtained with Dates

- 1 PhD (Computer Science), Covenant University, Ota, Nigeria, October 16, 2012
- 2 M.Sc. (Computer Sciences), University of Lagos, Lagos, Nigeria, June 27, 2003
- 3 B.Sc. (Computer Science) - 2nd Class Upper Division Hons - University of Ibadan, Ibadan Nigeria, July 6, 1979
- 4 West African School Certificate (Division One), Ajuwa Grammar School, Okeagbe, Akoko North-West, Ondo State, Nigeria, **November/December 1972:**

| | | | |
|---------------------------|------------------------------------|-----------------------|-------------------------|
| Agricultural Science (A2) | Christian Religious Knowledge (A2) | English Language (A3) | English Literature (C6) |
| General Science (A3) | Geography (A3) | Mathematics (A3) | Additional Maths (P7) |

- 5 Primary School Certificate 1964
- 6 Secondary Modern School Leaving Certificate 1967
- 7 Secondary School Certificate (First Division) 1972

(c). Other Qualifications/Honours: Passed with Honours:

i. . Module 2 On National Universities Commission Virtual Institute for Higher Education Pedagogy (NUC VIHEP) (OCT, 2003):- ‘Traditional & Modern Methods of Teaching and Learning in Higher Education’ awarded by National Universities Commission, Nigeria October, 2003.

ii. National Youth Service Corps Certificate**1980****(d). Special Awards:**

1. Best Overall Form I Student (Academic), Ondo Boys High School, Ondo, Nigeria (1968)
2. Federal Government Scholarship Award for Undergraduate Studies (1975 – 1979)
3. Exceptional Lecturer Award, Department of Computer & Information Sciences, Covenant University, Ota, 2008/2009 Session.
4. The Most Outstanding Faculty in Lecture Delivery Award (Management Information System), Department of Computer & Information Sciences, Covenant University, Ota, 2013/2014 Session, exemplified by recording very low students’ attrition rate, if not the lowest, in the courses taught by me.

16 (a). Teaching Experience

- **08/2014 – present:** Senior Lecturer (Computer Science) & Healthcare Informatics Researcher, Department of Computer & Information Sciences, Covenant University, Ota, Ogun State, Nigeria
- **04/2008 – 07/2014:** Lecturer I (Computer Science) & Healthcare Informatics Researcher, Department of Computer & Information Sciences, Covenant University, Ota, Ogun State, Nigeria
- **10/2005 – 03/2008:** Lecturer II (Computer Science) & Healthcare Informatics Researcher, Department of Computer & Information Sciences, Covenant University, Ota, Ogun State, Nigeria
- **07/2001 – 09/2005:** Lecturer I (Computer Science) – Maths & Computer Sc. Dept, The Federal Polytechnic, Ado-Ekiti, Ekiti State, Nigeria

16 (b). Information Technology Consultant [Contract] Experience

- **07/2001 – 11/2001:** Ministry of Health, Ado-Ekiti, Ekiti State, Nigeria’s Refs MOH/ADM/159/VOL.4/272, MOH/ADM/VOL.V/108, MOH/ADM/159/VOL.V/439 of 30th July, 14th Sept; and 19th October, 2001 respectively: A Three-Day Workshop on Improved Health Care Delivery System with Computer Revolution at NGN340,000.
- **11/2000 – 06/2001** :Chief Consultant/Principal Partner, Dataproc Associates Nigeria Ltd, Lagos, Nigeria
- **09/2000 – 10/2000:** Government of Ondo State & UNDP’s Ref OD/UNDP/MEU/81/62 of 18 Sept; 2000: Letter of Award on Training Workshop on Data Collection and Processing of the LGAs Statistical Officers in the State at (NGN217,000).
- **06/2000 – 08/2000:** Ondo State Agricultural Development Project (ODSADEP), Akure, Ondo State, Nigeria. “Computer-Proficiency Training Programme for the Programme Manager, Directors, and Senior Officials for Improved Productivity Performance”, June – August, 2000 (Refs ADP/HRD 42/40 and ADP/HRD 42/72 of 1st June and 29th August 2000 respectively) at NGN380,000.
- **04/1999 – 05/1999:** Ministry of Health, Benin City, Edo State, Nigeria’s Ref: HRC.170/11 of 29th April, 1999: Computer Awareness & Productivity Performance Training Programme April 28 – May 26, 1999 at NGN190,000 (Official trained were: Honourable Commissioner, Directors of Planning, Research & Statistics; Medical Services; Nursing Services; Personnel Management; Public Health & Disease Control; Finance & Supply; and Pharmaceutical Services; Heads of Epidemiology, National Health Insurance Scheme, and Computer Department)

- **01/1998 – 12/1999**: Ministry of Education, Benin City, Edo State, Nigeria: “Computer Studies in Edo State Secondary Schools Turnkey Project”.
- **10/1997 – 12/1997** :Chief Consultant/Principal Partner, Dataproc Associates Nigeria Ltd, Lagos, Nigeria
- **06/1997 – 09/1997**: Food and Agricultural Organization (FAO) of the United Nations, Regional Office for Africa, Accra, Ghana.
- **10/1994 – 06/1996** :Senior Information Technology Consultant [Contract], Executive Systems Ltd, Lagos, Nigeria [on Ghana’s Social Security & National Insurance Trust Project]

16 (c) Working Experience (Industry) (Full Time)

- **05/1994 – 06/2001** :Chief Consultant/Principal Partner, Dataproc Associates Nigeria Ltd, Lagos, Nigeria
- **03/1990 – 04/1994** : Senior Manager /Head of Infotech Department, Equitorial Trust Bank Ltd, Lagos
- **12/1980 – 02/1990** : Manager, Systems Support, Systems & Computer Services Department, Mobil Oil Nigeria Plc, Lagos, Nigeria
- **08/1980 – 11/1980** :Systems Development Engineer, Joint Komputer Kompany, Lagos, Nigeria
- **08/1979 – 07/1980** Central Bank of Nigeria, Ilorin Branch, Nigeria : National Youth Service Corps Member [NYSC]

16 (e) Statement of Teaching and Research interests

i. Fields of Specialization (Summary)

| | | | |
|---|------------------------------|--|---|
| African Indigenous Knowledge Systems to promote African development | Artificial Intelligence | Big Data Analytics | Biologically-based Complementary and Alternative Medicine |
| Cloud Computing | Compilers | Computational Intelligence in Healthcare | Computer & Cyber Security |
| Computer Networks | Data Mining | Decision Support Systems | Distributed / Parallel Computing |
| Evidence-based medical practice | Information Technology & Law | Machine Learning | Medical & Healthcare Informatics |
| Medicinal plants | Mobile & Internet Computing | Non-communicable disease of lifestyle | Operating systems (Computers) |
| Operations research | Public Health | Software engineering | Women’s Health |

ii. Summary of Current Teaching Areas

Computer Operating Systems (undergraduate and postgraduate levels), Operations Research (undergraduate and postgraduate levels), Information Technology Laws (postgraduate level), Compiler Design / Construction, Human Computer Interactions, Computer Networks and Data Communications, Software Systems Architecture, Computer Security, Decision Support Systems, and Database Management Systems.

iii. Details of Teaching Experience (from 2001 till date)

Courses Taught in Tables 1 – 4 below:

a. Table 1 Covenant University, Ota, Ogun State, Nigeria (10/2005 – present) @ Undergraduate Level

| Course Code | Course Description | Level | Class Size |
|-------------|--|-------|---------------|
| BFN 328 | Management Information Systems for Banking and Finance | 300 | 60 – 75 |
| BUS 425 | Management Information Systems for Business Administration | 400 | 60 - 75 |
| CIS 111 | Introductory Computer Science | 100 | 180 – 240 |
| CSC214 | Database Systems Design & Implementation | 200 | 200 – 240 |
| CSC216 | Systems Analysis and Design | 200 | 200 – 240 |
| CIS313 | Computer Programming IV (JAVA) | 300 | 200 – 240 |
| CSC 225 | Computer Operating Systems | 200 | 200 – 240 |
| CSC318 | Compiler Construction | 300 | 200 - 240 |
| CSC319 | Operations Research | 300 | 200 - 240 |
| CSC415 | Artificial Intelligence | 400 | 200 – 240 |
| CIS 418 | Computer Graphics & Animation Packages | 400 | 200 – 240 |
| CIS 421 | Computer Security | 400 | 200 – 240 |
| CSC441 | Human Computer Interface | 400 | 70-100 |
| CST 111 | Computer Application Packages I | 100 | 1,400 – 1,500 |
| CST 121 | Computer Application Packages II | 100 | 1,400 – 1,500 |
| MIS 221 | Introduction to Management Information Systems | 200 | 200 – 240 |
| MIS 316 | Research Methods | 300 | 80 – 100 |
| MIS 412 | Knowledge Management Systems | 400 | 75 – 85 |
| MIS 414 | Finance and Information Management | 400 | 80 – 120 |

| | | | |
|---------|--------------------------------------|-----|---------|
| MIS 418 | E-Commerce Technology | 400 | 75 – 80 |
| MIS 421 | Decision Support Systems | 400 | 75 – 80 |
| MIS 422 | Production and Operations Management | 400 | 75 – 80 |
| MIS 423 | Management Theory | 400 | 75 – 80 |

b. Table 2: Post-Graduate Courses (2004/2005 - present) with Mentorship Assignment

| University | Course | Course Description | Lead Lecturer / Mentor | Degree Level | Class Size |
|---|------------------------------|---|-------------------------------------|---|------------|
| Covenant University, Ota | BUS726 | Management Information Syst | Z.O. Omogbadegun | PGD (Business Admin (August 2014 – June 2015)) | 30 – 50 |
| | BUS826 | Management Information Syst | Z.O. Omogbadegun | MSc (Business Admin & IR/HRM) (June 2013 – June 2015) | 30 – 50 |
| | BUS836 | Management Information Syst | Z.O. Omogbadegun | MSc (Business Admin) (December 2014 – June 2015) | 30 – 50 |
| | CSC705 | Compiler Construction | Z.O. Omogbadegun | PGD (Computer Science)(August 2016) | |
| | CIS728 | Computer Security | Z.O. Omogbadegun | PGD (Computer Science)(August 2014) | 10 – 15 |
| | CSC728 | Computer Operating Systems | Z.O. Omogbadegun | PGD (Computer Science)(August 2014) | 10 – 15 |
| | CSC811/ CSC911 | Advanced Computer Operating Systems | Z.O. Omogbadegun | MSc/MPhil/PhD (Computer Science) (March 2013+) | 15 – 20 |
| | CSC824 | Advanced Database Design Management | Z.O. Omogbadegun | MSc (Computer Science) (October 2013) | 15 – 20 |
| | CSC825 | Data Communications and Networks | Z.O. Omogbadegun | MSc (Computer Science) (October 2013) | 15 – 20 |
| | MBA813 | ICT Management | Z.O. Omogbadegun | MBA (December 2014) | 15 – 20 |
| | MIS711 | Introduction to Mgt Info Systems | Z.O. Omogbadegun | PGD (Mgmt Information Systems) (Feb. 2014 – June 2015) | 10 – 15 |
| | MIS712 | E-Commerce Tech | Z.O. Omogbadegun | PGD (MIS) (December 2014) | 10 – 15 |
| | MIS714 | Production and Operations Mgt | Z.O. Omogbadegun | PGD (Mgmt Information Systems) (Feb. 2014) | 10 – 15 |
| | MIS722 | Knowledge Management | Z.O. Omogbadegun | PGD (MIS) (March 2015) | 10 – 15 |
| | MIS723 | Decision Support Systems | Z.O. Omogbadegun | PGD (MIS) (March 2015) | 10 – 15 |
| MIS821 | Advanced Operations Research | Dr. M.C. Agarana | MSc (MIS) (February 2017+) | 6 - 10 | |
| University of Lagos, Lagos | CSC705 | Systems Software | Prof. C.O. Uwadia | PGD in Comp Sc. (2011/2012) | 50 – 60 |
| | MIT805 | Computer Systems Organizn & Arch. | Prof. A.B. Sofoluwe (late 2012) | Master in InfoTech (MIT) (2008/2009 - 2010/2011) | 175 – 180 |
| | MIT806 | Information Technology & Law | Prof. C.O. Uwadia | Master in InfoTech (MIT) (2006 +) | 175 – 180 |
| | MIT811 | Analysis and Design of Bus. Sys | Prof. C.O. Uwadia | Master in InfoTech (MIT) (2009/2010) | 175 – 180 |
| | MIT821 | Software Systems | Prof. C.O. Uwadia | Master in InfoTech (MIT) (2010/2011+) | 175 – 180 |
| | MIT823 | Office Automation & InfoTech Project Management | Prof. C.O. Uwadia | Master in InfoTech (MIT) (2012/2013+) | 175 – 180 |
| IMTC, Afribank Building, Alausa, Ikeja-Lagos (NCC Education UK Rep) | | Computer Networking & Management | Z.O. Omogbadegun | PGD in Strategic Business (2009) | 15 – 20 |
| Strategic Management Centre, Lekki, Lagos (NCC Education UK Rep) | SMC607 | Computer Networking & Management | Z.O. Omogbadegun | PGD in Strategic Business (2007) | 15 – 20 |
| | SMC602 | IT in the Next Five Years | Z.O. Omogbadegun | PGD (Strategic Business IT) (2007) | 15 – 20 |

c. Table 3: The Federal Polytechnic, Ado-Ekiti, Nigeria (07/2001 - 09/2005)

| Course | Course Description | Level |
|---------|---|--------|
| ACC 010 | Computer Literacy (Accountancy & Banking & Finance) | ND II |
| BAM 224 | Introdn to Computer Applications in Business (Business Admin Dept.) | ND II |
| COM 213 | COBOL Programming | ND II |
| COM 221 | C Programming | ND II |
| COM 224 | Computers & Society | ND II |
| COM 311 | Computer Programming - (Building Technology Dept) | HND I |
| COM 323 | Operating Systems | HND I |
| COM 325 | Advanced Computer Packages | HND I |
| COM 326 | C++ Programming | HND I |
| COM 411 | Internet & Internet Technologies | HND II |
| COM 413 | Database Design & Management | HND II |
| COM 415 | Data Communications & Networks | HND II |
| COM 417 | Management Information Systems | HND II |
| COM 421 | Computer Graphics – | HND II |
| COM 422 | Introduction to Artificial Intelligence & Expert Systems | HND II |
| COM 423 | Compiler Construction | HND II |
| COM 427 | Windows Programming (Web site Development) | HND II |
| COM 428 | Java Programming | HND II |
| COM 440 | Computer Application Systems for Secretaries | HND II |

d. Table 4: Part-Time Teaching Engagement (Nigeria)

| Course | Course Description | Institution | Session | Level |
|---------|---|-------------|-----------|--------|
| ACC 312 | Management Information Systems (<i>HND Accountancy</i>) | YABATECH | 2006/2007 | HND I |
| COM 321 | Systems Development and Design (<i>HND Statistics</i>) | YABATECH | 2008/2009 | HND II |
| CSC 110 | Introduction to Computer Science | LASU | 2007/2008 | 100 |
| CSC 120 | BASIC Programming | LASU | 2007/2008 | 100 |
| CSC 210 | Principles of Computer Organization & Architecture | LASU | 2008/2009 | 200 |
| CSC 211 | Symbolic Programming with Fortran | LASU | 2008/2009 | 200 |
| CSC 222 | Introduction to Information Processing Methods | LASU | 2008/2009 | 200 |
| CSC 313 | Fundamentals of Digital Electronics | LASU | 2008/2009 | 300 |

17. Academic Linkages

- Prof. Abraham Silberschatz (abraham.silberschatz@yale.edu), Department of Computer Science, Yale University, 51 Prospect Street, P.O. box 208285, New Haven, CT 06520-8285, USA
- Professor Sunday O. OJO, PhD Computer Science (University of Glasgow, UK), Research Professor, Faculty of ICT, Tshwane University of Technology, Pretoria 0001, South Africa, (email: OjoSO@tut.ac.za), Tel: +27 12 3829118/9689, Mobile: +27 767813469

18. Research

a. PhD Research

- PhD Thesis Title: “Development of a Framework for Collaborative Virtual Complementary and Alternative Healthcare Systems” (October, 2012).

b. Projects Supervision

- Undergraduate Level (2005/2006 – present): 142 students (56 in healthcare informatics-related projects)
- Postgraduate Level (Details available at the end of this document)

c. Research Clusters Membership

- Software Engineering and Intelligent Systems Research Cluster (CIS Dept)

d. Current Research Main Focus (**Biomedical Engineering and Medical Informatics: Health Care Systems, Technology and Techniques**) by exploring:

- **Current Research Fields (Summary)**

| | | | |
|---|-----------------------------------|----------------------------------|----------------------------|
| Biomedical Engineering | Combinatorial Medicine | Data Science | Environmental Biodiversity |
| Health promotion and disease prevention | Health systems research | Information and Computer science | Lifestyle-Related Diseases |
| Lifetime Medicine | Medical biochemistry | Obstetrics and maternal health | Pediatrics |
| Personalized and Preventive Medicine | Technologies and Applied sciences | Telemedicine | Translational Informatics |

19. Details of Publications:

a. Manuscripts submitted and undergoing peer-review

- i. Zacchaeus Oni **Omogbadegun** (2018) "Medicinal and Aromatic Plants' Use during Pregnancy and Implications for Nurses/Midwives" submitted to the *Journal of Midwifery & Women's Health*, JMWH-18-018
- ii. Zacchaeus Oni Omogbadegun (2018). Development of a Framework for Collaborative Healthcare Services Delivery, *International Journal of Advanced Computer Science and Applications (IJACSA)*
- iii. Zacchaeus O. **Omogbadegun**, Michael C. Agarana, Oyefunke Oladipupo, and Charles O. Uwadia (2018), Promoting and Improving Healthy Lifestyles through Diet for Prevention of Non-communicable Diseases, submitted to the *International Journal of Advanced Computer Science and Applications (IJACSA)*
- iv. Zacchaeus Oni **Omogbadegun** and **Israel Oludayo Ogundele** (2018), Applying Neural Network-Based Approach to Sickle Cell Disease-Related Pain Management, *Journal of Computer Science*, Manuscript Number # 5629-JCS
- v. Zacchaeus Oni **Omogbadegun** and Blessing Ebele **Udemezue** (2018), Big Data in Healthcare and Biomedical Research: Scalable Systems for Data Integration across Sites.
- vi. Zacchaeus Oni **Omogbadegun** and **Blessing Guembe** (2018), A Computational Intelligence Symptom - based Framework for Diagnosis of Urinary Frequency in Internal Medicine.
- vii. Zacchaeus Oni **Omogbadegun** and Peter Temidayo **Abayomi-Zannu** (2018) Computational Intelligence in Healthcare and E-health: Personalized, Preventative and Prognostic (e) Healthcare.

b. Journals - published

- i. Zacchaeus Oni **Omogbadegun** (2018). Medicinal and Aromatic Plants' Productivity and Sustainability Monitoring Framework, *European Journal of Medicinal Plants* 24(3): 1-24, 2018; Article no.EJMP.3156, ISSN: 2231-0894, NLM ID: 101583475, DOI : 10.9734/EJMP/2018/3156
- ii. **Omogbadegun**, Zacchaeus Oni and Adegoke, Adesewa Taiwo (2016), Monitoring Cardiovascular Disease-Patients with Mobile Computing Technologies, *Covenant Journal of Informatics and Communication Technology (CJICT)*, Vol 4 No 2, pp. 48-70, December 2016, <http://journals.covenantuniversity.edu.ng/index.php/cjict/article/view/385/268>
- iii. Matiluko, Modupe; **Omogbadegun**, Zacchaeus; Omoregbe, Nicholas; Adewumi, Adewole; Parejas, Franklin Johnson; Misra, Sanjay; Crawford, Broderick; and Soto, Richardo (2016), Implementing a Web-Based Immunization Schedule Reminder for Postnatal Service Delivery, *Far East Journal of Electronics and Communications*, Special Volume 2, 2016, pp. 147-153, September 2016. <http://dx.doi.org/10.17654/ECSV216147>.
- iv. **Omogbadegun**, Zacchaeus Oni (2015), Development of Climate Change Effects-Reducing Information Systems towards Sustaining Medicinal and Aromatic Plants, *Covenant Journal of Physical and Life Sciences (CJPL)* Vol. 3 No 2. December, 2015
- v. H.I. Okagbue, Z.O. **Omogbadegun**, F.A. Olajide, A.A. Opanuga (2015), On Some Suggested Applications of Sudoku in Information Systems Security, *Asian Journal of Information Technology*, 14(4): 117-121, Medwell Journals, 2015
- vi. H.I. Okagbue, M.O. Adamu, A.O. Opanuga, Z.O. **Omogbadegun**, E.C.M. Obasi (2015), Popularity and Gender Differences in solving Sudoku Game among some sampled secondary school students in Lagos, Nigeria, *International Journal of Soft Computing*, 10(6):405-407, Medwell Journals, 2015
- vii. Zacchaeus Oni **Omogbadegun** (2013). Application of Formal Method in Drug Allergy Process Framework Specification, *The International Journal of Engineering and Science*, Paper_Id: 211051. Accepted 21st November, 2013.
- viii. Zacchaeus Oni **Omogbadegun** (2013). Medicinal Plants-based Foods for Breast Cancer Treatment: An Ethnobotanical Survey and Digitization, *International Journal of Medicinal Plants and Alternative Medicine*, Vol. 1(8), pp. 137-163, September 2013, Available online at <http://academeresearchjournals.org/journal/ijmpam>
- ix. Zacchaeus Oni **Omogbadegun** and Micheal Akinwale Adegboyega (2013). Framework for Overcoming Barriers of Complementary and Alternative Medicine Acceptance into Conventional Healthcare System, *International Journal of Medicinal Plants and Alternative Medicine*, Vol. 1(7), pp. 118-136, August 2013. Available online at <http://academeresearchjournals.org/journal/ijmpam>.
- x. ZO **Omogbadegun**, O Olayemi (2013). Development of a Web-based Gestational Diabetes Mellitus Advisory and Management System, *African Journal of Computing and ICT IEEE Nigeria – Computer Chapter Journal ...* (Accepted January 2013, in press)
- xi. Zacchaeus O **Omogbadegun** (2013). Development of a mobile-based and web-based authentication services software for imported food safety, *Supplement A to the Journal of Food Protection*, volume 76, p44 (2-251), 2013. <https://www.foodprotection.org/downloads/library/2013-abstract-book.pdf>
- xii. Zacchaeus **Omogbadegun**, Charles Uwadia, Charles Ayo, Victor Mbarika, Nicholas Omoregbe, Efe Otofia, and Frank Chieze (2011). Multimedia-based Medicinal Plants Sustainability Management System, *International Journal of Computer Science Issues*, 8 (5), 492-503, September 2011.

- xiii. IO Akinyemi, ZO **Omogbadegun**, OM Oyelami (2010). Towards Designing a Biometric Measure for Enhancing ATM Security in Nigeria E-Banking System, *International Journal of Electrical & Computer Sciences IJECS-IJENS* 10 (06), 68-73, December 2010.
- xiv. CO Uwadia, ZO **Omogbadegun** (2007). Emerging Technologies' Revolution and Daunting Challenges Facing the Law Enforcement Agencies, *The International Journal of Computer Science and Its Applications*, 14 (1), 14-31, June 2007.
- xv. C.O. Uwadia, Z.O. **Omogbadegun**, and E.P. Fashina (2006) "Cybercrime Pervasiveness, Consequences, and Enforceable Countermeasures", *The International Journal of Computer Science and Its Applications*, 13 (1), 11-24, December 2006.
- xvi. Z. Oni **Omogbadegun** and A.A. **Aliu** (2005) "The Role of Information and Communications Technologies in Governance, Accountability, National Integration, and Cohesion (Nigeria – Case Study)" *Journal of Business and Technological Education [JOBTEd]*, *The Official Publication of The School of Business Studies, Federal Polytechnic, Ado-Ekiti, Nigeria*, 1(2), 135-144, December, 2005
- xvii. Z. Oni **Omogbadegun** and A.A. **Aliu** (2004) "Mathematics as Bedrock for Children Education in Science and Technology", *International Journal of Children-in-Science and Technology (JOCIST)* 2(1), 171-177, November 2004

c. Conference Papers

- i. Zacchaeus **Omogbadegun**, Charles **Uwadia**, Sunday **Ojo**, and Olufunke **Oladipupo** (2018), Development of Interventions' Framework for Integrating Paediatric HIV Healthcare Services with other Reproductive Healthcare Services. Abstract Paper #172 accepted as part of the scientific programme at The 34th World Congress of Internal Medicine, Cape Town, South Africa, 18-21 October, 2018 (WCIM)
- ii. Zacchaeus O. **Omogbadegun**, Michael C. Agarana, Oyefunke Oladipupo, and Charles O. Uwadia (2018), Contribution of Human Eating Attitudes and Health Risk Behaviours to NonCommunicable Diseases Prevalence in Low-Medium Income Countries, Abstract accepted as part of the scientific programme at The 34th World Congress of Internal Medicine, Cape Town, South Africa, 18-21 October, 2018 (WCIM).
- iii. Zacchaeus Oni **Omogbadegun** and Israel **Oludayo Ogundele** (2018), Applying Neural Network-Based Approach to Sickle Cell Disease-Related Pain Management, Abstract accepted as part of the scientific programme at The 34th World Congress of Internal Medicine, Cape Town, South Africa, 18-21 October, 2018 (WCIM).
- iv. Matiluko, Modupe; **Omogbadegun**, Zacchaeus; Omoregbe, Nicholas (2016), Abstract number: 164 "Component - Based Approach Implementation of Child Immunization Schedule against Life-threatening Diseases during Postnatal Services Delivery in the Rural and Under-served Areas". Accepted for POSTER PRESENTATION at the Eighth Annual Global Health Conference, Washington, DC. April 7-9, 2017.
- v. Modupe Matiluko, Zacchaeus **Omogbadegun**, Nicholas Omoregbe, Foluso Ayeni, Franklin Johnson Parejas, Sanjay Misra, Broderick Crawford, Ricardo Soto (2016), Component Based Software Engineering Approach to Implementation of an Electronic Health Records System for Postnatal Service Delivery, 2016 International Conference on Advanced Computing, Communication and Information Sciences (ICACCI-2016), May 27-29, Cebu, Philippines
- vi. Matiluko, Modupe; **Omogbadegun**, Zacchaeus; Omoregbe, Nicholas; Adewumi, Adewole; Parejas, Franklin Johnson; Misra, Sanjay; Crawford, Broderick; and Soto, Richardo (2016), Implementing a Web-Based Immunization Schedule Reminder for Postnatal Service Delivery, Proceedings of ICACCI2016 Conference, University of San Carlos, Philippines, May 27-29, 2016.
- vii. **Omogbadegun**, Zacchaeus Oni and Okuboyejo, Senanu Rita (2014). Stakeholders' Framework for Integrating HIV/AIDS and Maternal and Child Health Services in Paediatric Populations, *Southern African HIV Clinicians Society 2nd Biennial Conference (SA HIV 2014)*, 24th – 27th September, 2014, CTICC in Cape Town, South Africa, <http://sahivsoc2014.co.za/abstracts/> [Abstract submitted 28 April, 2014; Accepted 4th August 2014, 2014].
- viii. **Omogbadegun**, Zacchaeus Oni (2014). Development of Climate Change Effects-Reducing Information Systems Towards Sustaining Medicinal and Aromatic Plants, *International Biotechnology Symposium (IBS) 2014: The Impact of Climate Change on Food Production: The Application of Biotechnology Tools*, 9-11 June, 2014, Covenant University, Ota, Ogun State, Nigeria.
- ix. Z. **Omogbadegun**, T. Oyedepo, F. Fasina, E. Omotosho (2014). Student Support Services Infrastructural Framework For Excellent Academic Performance In Tertiary Institutions: A Case Study of Covenant University, Nigeria, *6th International Conference on Education and New Learning Technologies, Proceedings of EDULEARN14 Conference*, 7th-9th July 2014, Barcelona, Spain, pp. 5641-5650, ISBN: 978-84-617-0557-3, ISSN: 2340-1117, (CPCI/ISI-indexed), <http://library.iated.org/view/OMOGBADEGUN2014STU>
- x. Z. **Omogbadegun**, C. Uwadia, N. Omoregbe, I. Akinyemi (2014). Using Students Industrial Work Experience Scheme To Achieve Viable University-Industry Cooperation In Nigeria – A Case Study Of Covenant University, Nigeria, *6th International Conference on Education and New Learning Technologies, Proceedings of EDULEARN14 Conference*, 7th-9th July 2014, Barcelona, Spain, pp. 2408-2416, ISBN: 978-84-617-0557-3, ISSN: 2340-1117, (CPCI/ISI-indexed),

- <http://library.iated.org/view/OMOGBADEGUN2014USI>
- xi. G. Adejumo, M. Gesinde, A. Elegbeleye, Z. **Omogbadegun** (2014). Impact of Automated Assessment Practice on Credibility of University Entrance Examination in Nigeria: A Case Study of Covenant University, Ota, Nigeria.
http://iated.org/concrete2/list_accepted_abstracts.php?event_id=19&search_id=&search_title=&search_auth_or=Omogbadegun&search_bool=and; EDULEARN14, 6th International Conference on Education and New Learning Technologies, Barcelona - 7th - 9th of July 2014. Accepted 29th April, 2014. **(CPCI/ISI-indexed)**
 - xii. Zacchaeus O **Omogbadegun**, Charles O Uwadia, Charles K Ayo, and Nicholas A Omogbe (2014). Development of a Medicinal and Aromatic Plants Management Information System for Ensuring Quality, Safety, and Efficacy (Symposium: WOCMAP1 - From biodiversity to finished products - oral presentation), World Congress on Medicinal and Aromatic Plants (WOCMAP V 2014) in conjunction with 29th International Horticultural Congress 2014, 17-22 August 2014, Brisbane Queensland, Australia. Accepted 17 January, 2014 (Ref: 10502) **(Web of Knowledge indexed)**
 - xiii. Zacchaeus O **Omogbadegun**, Charles O Uwadia, Charles K Ayo, and Nicholas A Omogbe (2014). Development of a Sustainable Natural Resource Management Framework for Fostering Conservation of Biodiversity and Medicinal and Aromatic Plants (Symposium: WOCMAP3 - Medicinal and Aromatic Plants - poster presentation), World Congress on Medicinal and Aromatic Plants (WOCMAP V 2014) in conjunction with 29th International Horticultural Congress 2014, 17-22 August 2014, Brisbane Queensland, Australia. Accepted 17 January, 2014 (Ref: 10502)
[http://ihc2014presenter.digitalposter.com.au/zzz/ihc2014\[1\]/posters/Omogbadegun-Developmen\[3199\]/pdf/OmogbadegunZO_WOCMAP+V+2014_7_Slide_Poster_Ref_10502_Presentati on.pdf](http://ihc2014presenter.digitalposter.com.au/zzz/ihc2014[1]/posters/Omogbadegun-Developmen[3199]/pdf/OmogbadegunZO_WOCMAP+V+2014_7_Slide_Poster_Ref_10502_Presentati on.pdf) **(Web of Knowledge indexed)**
 - xiv. Zacchaeus O **Omogbadegun** (2014): Pilotable Framework for Overcoming Barriers in Learning in Nigerian Educational System, 8th International Technology, Education and Development Conference, Valencia - 10th - 12th March 2014 (INTED2014), *Proceedings of INTED2014 Conference*, 10th-12th March 2014, Valencia, Spain, pp. 1879-1889, ISBN: 978-84-616-8412-0 **(CPCI/ISI-indexed)**,
<http://library.iated.org/view/OMOGBADEGUN2014PIL>
 - xv. ZO **Omogbadegun** (2013). Development of a Collaborative Framework for Ubiquitous Patient-Centered Healthcare Services Delivery, Science and Information Conference (SAI) - IEEE Technically Co-Sponsored (Accepted March 13, 2013) London, 7-9 October, 2013
 - xvi. Zacchaeus Oni **Omogbadegun** (2013), "Potential Causes of Mental Disorders among the Youths", accepted for Oral presentation at the 2nd International Conference on Youth Mental Health, 30 September - 2 October, 2013, Brighton, UK (Acceptance conveyed June 5, 2013).
http://www.iaymh2013.com/media/IAYMH2013PROGRAM_DRAFT.pdf
 - xvii. Zacchaeus Oni **Omogbadegun** (2013), "Overcoming Barriers to Mental Health Patients' Adherence", accepted for Oral presentation at the 2nd International Conference on Youth Mental Health, 30 September - 2 October, 2013, Brighton, UK (Acceptance conveyed June 5, 2013).
http://www.iaymh2013.com/media/IAYMH2013PROGRAM_DRAFT.pdf
 - xviii. Zacchaeus Oni **Omogbadegun** and Olufisayo Titilope Abiodun (2013), Development and Implementation of a Computerized Maternity Records Management System, Poster Presentation at the 8th Convocation Ceremony, Covenant University, Ota, Nigeria, July 24th – 28th, 2013.
 - xix. Zacchaeus Oni **Omogbadegun** and Olaide Temiloluwa Agboola (2013), Design and Implementation of a Mobile Medicinal Plants Management Information System, Poster Presentation at the 8th Convocation Ceremony, Covenant University, Ota, Nigeria, July 24th – 28th, 2013
 - xx. Zacchaeus Oni **Omogbadegun** (2013), *Embracing E-Government for a Sustainable Health System: An Imperative for Nation Building*, Nigeria Computer Society (NCS) e-Government 2013 International Conference: e-Government & National Security, July 24 - 26, 2013, Osogbo, Osun State, Nigeria [Conference Proceedings pp 72-83]
 - xxi. Zacchaeus O **Omogbadegun** (2013). **Abstract 192**: Epidemiology and Botanically-based Management of Women Infertility, International Conference on Naturopathic Medicine, July 7-9, 2013, Paris
 - xxii. Zacchaeus O **Omogbadegun** (2013). **Abstract No. 193** : An ethnobotanical survey of medicinal plants-based foods for breast cancer treatment, International Congress on Naturopathic Medicine, July 7-9, 2013, Paris
 - xxiii. Zacchaeus O **Omogbadegun** and Obianuju Ezeife (2013). Development of a mobile-based and web-based authentication services software for imported food safety (Accepted 18 March 2013: International Association for Food Protection Conference, Charlotte, North Carolina, July 28–31, 2013)
 - xxiv. Zacchaeus O **Omogbadegun** and Mrs Sena **Okuboyejo** (2013). **Abstract No. 155**, "Investigating Cognitive, Behavioural, and Environmental Barriers to HIV/AIDS' Patients Adherence in Nigeria" - approved for Poster presentation at the 8th International Conference on HIV Treatment and Prevention Adherence, June 2-4, 2013, at The Eden Roc Renaissance in Miami. (Acceptance conveyed March 22, 2013), http://www.iapac.org/AdherenceConference/assets/ADH8_Poster_Abstracts.pdf, p.40.
 - xxv. Zacchaeus O **Omogbadegun** (2013). **Abstract No. 218**, "Development of Interventions' Evaluation Framework for Integrating Paediatric HIV Healthcare Services with other Reproductive Healthcare

- Services” - approved for Poster presentation at the 8th International Conference on HIV Treatment and Prevention Adherence, June 2-4, 2013, at The Eden Roc Renaissance in Miami. (Acceptance conveyed March 22, 2013).
- xxvi. Zacchaeus O **Omogbadegun** (2012). A Framework for Ensuring Safety of Biological-based Therapies in Complementary and Alternative Medicine Integration into a Health System, Second International Conference on Health, Wellness and Society; 10-12 March 2012, University Center, Chicago, USA <http://w12.cgpublisher.com/proposals/174>; <http://2012.healthandsociety.com/sessions/index.html>
- xxvii. Zacchaeus O **Omogbadegun** (2012). Abstract 246-223: “*Clinical Decision Support System for Diagnosing Congenital Heart Disease During Pregnancy*”, accepted for Guided Poster presentation at The 2nd International Congress on Cardiac Problems in Pregnancy (CPP 2012), Berlin, Germany, May 17-20, 2012 (www.cppcongress.com)
- xxviii. Zacchaeus O **Omogbadegun** (2012). Abstract 246-218: “*Medicinal Plants’ Use and Safety During Pregnancy and Lactation*” accepted for **Guided Poster** presentation at The 2nd International Congress on Cardiac Problems in Pregnancy (CPP 2012), Berlin, Germany, May 17-20, 2012 (www.cppcongress.com)
- xxix. Zacchaeus Oni **Omogbadegun** (2012). *Emergent Technologies and Child Protection*, at “The Stakeholders’ Tech4D Forum on ICT and Child Development – Benefits and Challenges”, organised by Women in Technology in Nigeria (WITIN), Sheraton Hotels and Towers, Ikeja, Lagos, Nigeria Thursday, October 4, 2012 (<http://www.witin.org/2012/tech4D/papers/oni.doc>)
- xxx. Zacchaeus O **Omogbadegun**, Charles O Uwadia, Charles K Ayo, Victor Mbarika, Nicholas Omoregbe, Oluwaseun Ashipa (2011). *Clinical Decision Diagnosis Support System for Complementary and Alternative Medicine Practitioners in Lifestyle-related Diseases Management*, 2nd AMA-IEEE International Medical Technology Conference, Boston, MA, USA, 16th – 18th October, 2011. http://ama-ieee.embs.org/wp-content/uploads/2011/09/OmogbadegunZO_AMA_IEEE_2011_Final_Submission_Conf_Clinical-Decision-Diagnosis-Support-System-CAM-Practitioners.pdf
- xxxi. ZO **Omogbadegun** (2011). A Framework For Collaborative Virtual Complementary And Alternative Medical System (Preservation Of Medicinal Plants), PhD Research in Progress Presentation, @ International Conference On ICT For Africa 2011, Covenant University, Ota, Ogun State, Nigeria, 23-26 March, 2011
- xxxii. ZO **Omogbadegun** (2010). Emerging Technologies(ICTs) & Our Businesses, One-Day Round-Table Workshop Organized by Women In Technology In Nigeria, Lagos, https://www.academia.edu/268226/Emerging_Technologies ICTs_and_Our_Businesses
- xxxiii. Z. Oni **Omogbadegun**, Charles O. Uwadia and Charles K. Ayo (2010) *Realising Political Stability In Nigeria Through ICT-Transformed Government At Grassroots*, 23rd International Conference, Nigeria Computer Society, Asaba, Delta State, Nigeria, 26th – 30th July, 2010, [Conf. Proceedings pp. 37-50].
- xxxiv. Z. Oni **Omogbadegun**, Charles O Uwadia and Charles K. Ayo (2010). Formal Specification of an Enhanced Collaborative Virtual Healthcare System Processes (Abstracts Selected for Submission as Full Papers), 6th International Conference on e-Government (ICEG 2010), 30 September – 1 October, 2010, Cape Peninsula University of Technology, South Africa.
- xxxv. Z. Oni **Omogbadegun** and Charles K. Ayo (2007) Impact of Mobile and Wireless Technologies on Healthcare Delivery Services, 3G GSM & Mobile Computing International Workshop & Conference, Covenant University, Ota, Ogun State, Nigeria, 29-31, Jan 2007, 24 (8), 163.
- xxxvi. **Omogbadegun**, Z.O (2006), Security in Healthcare Information Systems, ITI 4th International Conference on Healthcare, Cairo, Egypt, 10-12 Dec. 2006, Published in: *Information & Communications Technology, 2006. ICICT '06, Page(s): 1 - 2, IEEE, ISBN: 0-7803-9770-3, INSPEC Accession Number: 9703275, Digital Object Identifier: 10.1109/ITICT.2006.358263, http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=4196487. Web of Science Ref: http://apps.webofknowledge.com/Search.do?product=WOS&SID=S1wPyWsMQOK2pslmJWg&search_mod_e=GeneralSearch&prID=2e6a54bf-4e25-43b4-aad8-ff01bb8e94e7*
- xxxvii. A.A. Aliu and Z. **Oni Omogbadegun**, (2006) *A Survey of Interval Newton Methods and Application for Solutions of Non-Linear Equations*, 1st International Workshop & Conference on “New Trends in the Mathematical and Computer Sciences with Applications to Real World Problems” [NTMCS 2006:Proceedings, pp 419-428], Covenant University, Ota, Ogun State, Nigeria 19-23 June, 2006
- xxxviii. Z.Oni **Omogbadegun** and A.A. Aliu (2005) The Role of Information and Communications Technologies in Governance, Accountability, National Integration, and Cohesion (Nigeria – Case Study), *2nd Annual Conference of The School of Applied Sciences & Technology, The Federal Polytechnic, Offa, Kwara State, Nigeria, July 5 -7, 2005*
- xxxix. Z.Oni **Omogbadegun** and A.A. Aliu (2003) *Information Technology (IT): A Tool for Sustaining Children Interest in Science & Technology*, International Conference on Children-in-Science & Technology, University of Ado-Ekiti, Ekiti State, Nigeria, November 4-6, 2003
- xl. Z.Oni **Omogbadegun** (2003) *Computer Education for Children in Science and Technology*, International Conference on Children-in-Science & Technology, University of Ado-Ekiti, Ekiti State, Nigeria, November 4-6, 2003
- xli. Z. Oni **Omogbadegun** (2001) *Basic Management Principles to Transform a Secretary/Personal Assistant to a Successful Manager* at the Performance Improvement for Secretaries & Personal Assistants Workshop,

- Ijebu-Ode, Ogun State, Nigeria, October 29-31, 2001 & December 11-13, 2001
- xlii. Z.Oni **Omogbadegun** (2001) *Modern Technology in (Secretarial) Administration* at the Performance Improvement for Secretaries & Personal Assistants Workshop, Ijebu-Ode, Ogun State, Nigeria, October 29-31, 2001 & December 11-13, 2001
- xliii. Z.Oni **Omogbadegun** (2000) Session 5: *Application of Computer to Data Processing* – Tuesday, October 10, 2000 [2:30 – 5:00pm] at UNDP (NMSED) – DATAPROC ASSOCIATES NIGERIA LTD: Organized Workshop for Statistical Officers of Local Government Areas in Ondo State: Data Collection, Analysis and Processing: October 9 – 10, 2000, Akure, Ondo State, Nigeria.

d. Editorial Board / Technical Committee Membership

1. Olawande Daramola, Nicholas Ikhu-Omoregbe, Charles Ayo, Oni **Omogbadegun**, Ambrose Azeta, Funke Oladipupo (2010): Software Engineering and Intelligent Systems, Proceedings of the 1st International Conference and Workshop on SEIS 2010, Covenant University, Ota, Nigeria, July 5th – 9th
2. Zacchaeus Oni **Omogbadegun**, Associate Editor, *The International Journal of Health, Wellness and Society*, [Appointment by International Advisory Board *The International Journal of Health, Wellness and Society*, <http://ijw.cgpublisher.com> conveyed February 11, 2014 through Kelsey Shannon (kelsey.shannon@commongroundpublishing.com)
3. Zacchaeus Oni **Omogbadegun**, Editorial Board Member, *International Journal of Computer Science and Information Technology Research*, <http://www.researchpublish.com/editorial-board.php>
4. Workshop Co-Chair, 6th International Conference On Adaptive Science & Technology (ICAST 2014), Covenant University, Ota, Ogun State, Nigeria, 29th – 31st October, 2014. <http://icast2014.covenantuniversity.edu.ng/committee.html>
5. Zacchaeus Oni **Omogbadegun**, Member, Advisory Board, Centre for Multidisciplinary Research in Artificial Intelligence, <https://www.c-mrai.org/advisory-board>, May 16, 2018

e. Reviewer for Journals

1. *International Journal of Advanced Computer Science and Applications (IJACSA)*
2. *IEEE Journal of Biomedical and Health Informatics*
3. *International Journal of Medical Informatics*
4. *The International Journal of Health, Wellness and Society*
5. *Maternal and Child Health Journal*
6. *Online International Journal of Medicinal Plant Research (OJMPR)*
7. *European Journal of Integrative Medicine*
8. *Electronic Journal of e-Government*

20. Membership of Learned Societies

- i. Nigeria Computer Society (NCS), Lagos, Nigeria
- ii. Computer Professionals Registration Council of Nigeria (CPN)
- iii. Institute of Electrical and Electronics Engineers, USA (IEEE)
- iv. IEEE Societies (Computer Society, Engineering in Medicine and Biology Society, and Computational Intelligence Society)
- v. Association of Computing Machinery, USA (ACM)
- vi. Global Health Workforce Alliance (GHWA)
- vii. Member from 'LMIC' of the Canadian Coalition for Global Health Research (CCGHR)

21. Notable Projects

1. Mobil Oil Nigeria's Medical Benefits Scheme (1980-1983)
2. Mobil Oil Nigeria's Core Systems Replacement Project, Egham, UK (1986-1988)
3. Equitorial Trust Bank's Globus Banking Software, Lagos/London (1993)
4. Ghana's Social Security & National Insurance Trust Software Replacement, Accra, Ghana, (1994-1996)
5. Hospital Records Management & Healthcare Delivery Admin Software, Accra, Ghana, (1996 – 1998)

22. Other Accomplishments as an Information Technology Consultant:

- a. State Insurance Corporation (SIC), Accra, Ghana [Bob Freeman Clinic's Ref: BFC/13/Vol2/82 of 25th June, 1998 : Appraisal of Hospital Records Management & Healthcare Delivery Admin Software [HRMHCAS]
- b. Police Hospital, Accra, Ghana, 1998: Demonstration of Hospital Records Management & Healthcare Delivery Admin Software [HRMHCAS]
- c. Ridge Hospital, Osu, Accra, Ghana, 1998: Demonstration of Hospital Records Management & Healthcare Delivery Admin Software [HRMHCAS]
- d. Ministry of Health, Benin City, Edo State, Nigeria's Ref: HRC.170/11 of 29th April, 1999: Computer Awareness & Productivity Performance Training Programme April 28 – May 26, 1999 at NGN190,000 (Officials trained were: Honourable Commissioner, Directors of Planning, Research & Statistics; Medical

- Services; Nursing Services; Personnel Management; Public Health & Disease Control; Finance & Supply; and Pharmaceutical Services; Heads of Epidemiology, NHIS, and Computer Department)
- e. Nigerian Air Force Medical Centre, Benin City, Edo State, Nigeria: 1999: Demonstration of Hospital Records Management & Healthcare Delivery Admin Software [HRMHCAS]
 - f. Nigerian Air Force Hospital, Ikeja, Lagos Nigeria, 1999: Demonstration of Hospital Records Management & Healthcare Delivery Admin Software [HRMHCAS]
 - g. A 15-day “Computer-Proficiency Training Programme for the Programme Manager, Directors, Zonal Managers, and Deputy Directors for improved Productivity Performance” for Ondo State Agricultural Development Project, Akure, Ondo State, Nigeria. Ref: ADP/HRD/42/40 of 1st June, 2000 at NGN220,000 (19th – 30th June, 2000) and Ref: ADP/HRD/42/72 of 29th August, 2000 at NGN180,000 (4th – 8th September, 2000) respectively.
 - h. Government of Ondo State & UNDP’s Ref OD/UNDP/MEU/81/62 of 18 Sept; 2000: Letter of Award on Training Workshop on Data Collection and Processing of the LGAs Statistical Officers in the State at (NGN217,000).
 - i. Ministry of Health, Ado-Ekiti, Ekiti State, Nigeria’s Refs MOH/ADM/159/VOL.4/272, MOH/ADM/VOL.V/108, MOH/ADM/159/VOL.V/439 of 30th July, 14th Sept; and 19th October, 2001 respectively: A Three-Day Workshop on Improved Health Care Delivery System with Computer Revolution at NGN340,000.

23. Committee Membership

(i) Covenant University

- Dean, Student Affairs Department (University Management Team Member), 31 July 2015 – 29 July, 2016
- Vice-Chairman, College Quality Assurance and Academic Standards Committee (CST), 2016/2017+
- Chairman, Quality Assurance and Academic Standards Committee (CIS Dept), 2016/2017+
- Chairman, Seminar/Laboratory & Facilities Committee (CIS Dept), 2016/2017.
- Secretary, Research Development / Collaboration Committee (CIS Dept.), 2016/2017+
- Secretary, Accreditation Committee (CIS Dept.), 2016/2017+
- Member, College Research and Seminar Committee (College of Science & Technology - CST), 2016/2017+
- Co-ordinator, Computer Science Program (CIS Dept) – 2012/2013 – 2014/2015
- Co-ordinator, Students Industrial Work Experience Scheme (SIWES) – CIS Dept (2005 - 2012)
- Co-ordinator, 100-Level University-wide Courses at CIS Dept (CST 111 & CST 121) (2006 – 2008)
- Co-ordinator, NCS/CPN Professional Organizations (CIS Dept) 2005/2006+
- Member, Students Associations Advisory Committee (CIS Dept) - 2012/2013+
- Co-ordinator, Graduating Students Projects (CIS Dept) – 2005/2006 thru 2011/2012.
- Co-ordinator, Students Industrial Visits / Excursions – CIS Dept - 2012/2013 – 2014/2015
- Member, NUC/CPN Accreditation Team (CIS/CST) – 2005/2006+.
- Member, Postgraduate Program & Courses Development Committee (CIS Dept) 2012/2013+
- Member, Students Disciplinary Committee (SDC- University wide): 2011/2012, 2013/2014.
- Chairperson, Faculty Support Programme Committee (FSP – University wide), 2012/2013 – 2014/2015
- Member, Students’ Handbook Review Committee (SHRC – University wide), 2012/2013, 2016/2017
- Member, University Students’ Appellate Committee (USAC - University wide), 2012/2013
- Member, Students Resumption Committee (University wide), 2013/2014 – 2014/2015
- Chairman, Electoral Committee, Covenant University Staff Multipurpose Cooperative Society, 2013/2014 +
- Member, Policy Drafting sub-Committee of Quality Assurance & Academic Standards (University), 2013/2014

(ii) External Community

- Leader, Group 7 Ushering Service Unit, Faith Tabernacle Church, Ota, Ogun State, August 2011+
- Chairman, Finance Sub-Committee, Shiloh 2016 Ushers Committee, Faith Tabernacle Church, Ota, Ogun State, November 2016 – February 2017.
- Member of Advisory Board, Women in Technology in Nigeria (WITIN), 04/2011 till present

24. Names and Addresses of Referees

- a. Professor Charles O. **UWADIA**, Professor, Department of Computer Sciences, University of Lagos, Akoka, Lagos, Nigeria (e-mail: couwadia@unilag.edu.ng, couwadia@yahoo.com). Tel:+2348023367333, +2348052319164
- b. Professor Sunday O. **OJO**, PhD Computer Science (University of Glasgow, UK), Research Professor, Faculty of ICT, Tshwane University of Technology, Pretoria 0001, South Africa, (email: OjoSO@tut.ac.za), Tel: +27 12 3829118/9689, Mobile: +27 767813469
- c. Professor Victor W. **MBARIKA**, Professor, Southern University and A&M College of Business, Baton Rouge, Louisiana, USA, (email: victor@mbarika.com). Tel: +12255721042
- d. Professor Nicholas A. **OMOREGBE**, Professor, Department of Computer & Information Sciences, Covenant

- University, P.M.B. 1023, Ota, Ogun State, Nigeria. (e-mail: nomoregbe@covenantuniversity.edu.ng, nicholas.omoregbe@covenantuniversity.edu.ng). Tel: +2348060093448, +2348129123089
- e. Professor Amos **DAVID**, Professor, Universite Lorraine, Nancy, France (email: amos.david@univ-lorraine.fr). Tel: +33608425064; +2348052484142
- f. Professor Jacob **ADENIYI**, Professor, Department of Computer Sciences, Ajayi Crowther University, Oyo, Oyo State, Nigeria. Tel: +2348081910707 (e-mail:jadeniyi@hotmail.com)

**ZACCHAEUS ONI OMOGBA DEGUN (PhD – COMPUTER SCIENCE)
DEPARTMENT OF COMPUTER & INFORMATION SCIENCES
COLLEGE OF SCIENCE & TECHNOLOGY
COVENANT UNIVERSITY, OTA, NIGERIA**

PROGRESS REPORT FOR POSTGRADUATE PROJECTS SUPERVISION & ASSIGNMENT (INTERNAL & EXTERNAL) AS AT JULY, 2018

| S/N | MATRIC NO. | STUDENT'S NAME | TITLE OF PROJECT | STATUS | Year |
|--|-------------|--|---|---------------------------|-------------------|
| POSTGRADUATE LEVEL (MSc/PhD) - INTERNAL | | | | | |
| 1. | 08CD08293 | OLOKUNDE, TEMITOPE OLUWASEYI (MSc - Management Information System) | An Application of Cloudlet Framework for Mobile Distance Learning | Internal Assessor | 2015 - 2016 |
| 2. | 13PCH00501 | EHIGBOCHIE, IMUWAHEN AMENAWON (MSc - Management Information System) | Fuzzy Mining Student Decision Support System for Determining the Effect of Socio-Economic Factors on Academic Performance | Internal Assessor | 2015 - 2016 |
| 3. | 08CH07833 | AYENI, FOLUSO EMMANUEL (MSc – Management Information System) | Design and Implementation of an Architectural Framework for a Cloud-Supported Socialized Healthcare System | Supervisor | 2015 |
| 4. | 14PCH00706 | OGUNPEJU, MODUPE (MSc – Management Information System) | Component – Based Approach for Child Immunization Schedule During Postnatal Services Delivery | Supervisor | 2017 |
| 5. | CU031020002 | AKINJARE, Victoria Abosede (PhD - Banking & Finance – work in progress) | An Analysis of the Banking System's Financing to the Real Sector Growth in Nigeria | Post-Graduate School Rep. | 2017 - 2018 |
| 6. | CU033020045 | EZENWOKE, AZUBUIKE ANSALEM (PhD - Computer Science) | A Fuzzy-Oriented Framework for Service Ranking and Selection in Cloud E-Marketplaces | Internal Assessor | 2017 |
| 7. | 04CG01130 | AJAYI, PRISCILLA OLUWATOYIN (MSc – Computer Science) | Development of a Cloud-Based Health Information System for Antenatal and Postnatal Clinic | Internal Assessor | 2017 |
| 8. | 13PCG00548 | OLURANTI, JONATHAN (PhD - Computer Science – work in progress) | Designing Scalable Feature Selection Models for Traffic Classification Using Spark Distributed Framework | College Examiner | 2018 - 2019 |
| 9. | 16PCG01367 | OGUNDELE, ISRAEL O (MSc – Management Information System) | Neural Network-Based Approach To Sickle Cell Disease-Related Pain Management | Supervisor | 2018 |
| 10. | 15PCH01163 | OLAGBOYE, VICTOR BOLUWARIN (MSc – Management Information System) | Sentiment Analysis Model for Analysing Telecommunications Firm Customers' Tweets | Supervisor | 2018 |
| 11. | 15PCH01170 | OYESOLA, OLUWADAMILOLA OYEYINKA (MSc – Management Information System) | Framework for Students' Admission into Secondary Schools using k-Nearest Neighbourhood Algorithm | Supervisor | 2018 |

| S/N | MATRIC NO. | STUDENT'S NAME | TITLE OF PROJECT | STATUS | Year |
|--|-------------------|---|---|---------------|-------------------|
| 12. | 15PCH01168 | GYANG DAVOU (MSc – Management Information System) | Interval Type-2 Fuzzy Expert System for Heart Disease Prediction | Supervisor | 2018 |
| POSTGRADUATE LEVEL (MSc/PhD) - EXTERNAL | | | | | |
| 1. | 17816 | EZEUGO, IKECHUKWU FRIDAY (PhD - Information Technology, Texila American University- work in progress) | Cybersociety Dynamics: Converging Ethnography of the Information Age, Key Driving Factors and influencing sociocultural evolutionary principles | Supervisor | 2018 (in view) |
| 2. | 20009 | ALIU, BERNARD, July 2016 Batch, (PhD - Information Technology, Texila American University- work in progress) | Big Data Analytics Framework for a Secured Financial System | Supervisor | 2019 (in view) |
| 3. | 20680 | DANLADI, SOLOMON LOWLAND, July 2016 Batch, (PhD - Information Technology, Texila American University- work in progress) | Blockchain Technology and Challenges of Cryptocurrencies' Adoption in the Developing Countries | Supervisor | 2019 (in view) |