

ESHO Adeola Ona-olapo

Plots 13 & 14 Block II Atakunmosa West Housing Scheme Kajola Ilesha-Osogbo road Osun State |
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A Laboratory Technologist (Demonstrator/Instructor/Researcher) in a university setting with over 16 years of experience, focusing on Electrical & Electronics Engineering. Plays a multifaceted and crucial role in both the educational and practical training aspects of student and new technical Staff development by bridging the gap between theoretical knowledge and practical application in the course curriculum. Dedicating not only on enhancing the learning experience for students but also contribute to the overall advancement of the university's engineering programs and the technology field at large.

EDUCATION

Bachelor of Science in Physics with Electronics **2013-2016**
Osun State University, Osogbo Osun State Nigeria

Higher National Diploma (HND) in SLT Physics Electronics **2001-2006**
Nigerian Institute of Science Laboratory Technology (NISLT) Ibadan

SKILLS & INTERESTS

Skills: Testing, Curriculum development, Teaching and Mentoring, Research in advanced electrical and electronics equipment. Project Management

Tools:

Electronic Test Equipment: Oscilloscopes, multimeters, signal generators, and spectrum analyzers are used to test, measure, and analyze electronic circuits and systems.

Laboratory Instruments: These may include power supplies, function generators, and various sensors for experiments and research projects.

Computational Tools: Software such as MATLAB for modeling and analyzing electronic systems.

Prototyping Tools: Breadboards, soldering stations, and microcontrollers like Arduino for developing and testing circuit designs.

WORK EXPERIENCE

Osun State University Osogbo Osun State, Nigeria

ASSISTANT CHIEF TECHNOLOGIST

October 2022 to Date

- Serve as a panel member for the defense of students' Student Work Experience Program (SWEP), Student Industrial Work Experience Scheme (SIWES), mini projects, and final year project defenses. In this role, I evaluate the technical accuracy, innovation, and practical application of students' work, providing critical feedback to enhance their understanding and ensure they meet academic standards. This contribution is vital in preparing students for professional challenges and aligning their projects with industry and academic expectations.
- Establish and calibrate laboratory equipment to ensure accurate and reliable data collection for practical sessions and project assessments by meticulously configuring and verifying instruments to meet the stringent standards required for accreditation by the National Universities Commission (NUC) and the Council for the Regulation of Engineering in Nigeria (COREN). This ensures the credibility of academic evaluations and compliance with regulatory requirements, thus upholding the institution's reputation for quality education.
- Lead practical sessions for 200-level Electrical and Electronic Engineering students, guiding them through hands-on experiments and reinforcing theoretical concepts. Collaborate with other technologists to demonstrate key techniques in circuit design and electronics, ensuring students develop a strong foundational

understanding of essential engineering practices. This role is crucial in bridging the gap between theory and application, preparing students for advanced coursework and professional challenges in the field.

- Contribute to the university's reputation by ensuring high-quality laboratory instruction and producing well-trained graduates who excel in the industry.
- Trained junior technologists and student assistants, enhancing the overall support system for laboratory activities.
- Conducted workshops and seminars on emerging technologies, enriching the academic environment.
- Trained over 2000 students, many of whom have gone on to contribute significantly to the field of electrical electronics and engineering globally and attended over twenty workshops to foster skills and knowledge advancement.
- Equip students with practical skills and knowledge, playing a pivotal role in their professional development and helping them secure positions in reputable establishments and further their careers.
- Lead initiatives to integrate new technologies into the curriculum, keeping the university at the forefront of educational innovation.
- Maintain a commitment to staying abreast of the latest advancements in the field. Adapted to new techniques and integrated innovative solutions to enhance research effectiveness and stay competitive in a rapidly evolving field.

PRINCIPAL TECHNOLOGIST

October 2019 – September 2022

- Mentored students on projects, guiding them through the design, implementation, and testing phases, fostering innovation and practical application of theoretical knowledge.
- Assisted faculty and students in research activities, providing technical support and expertise to advance research objectives.
- Organized annual technology fairs showcasing student projects and innovations, enhancing the university's visibility and reputation.

SENIOR TECHNOLOGIST

October 2016 - September 2019

- Oversaw the maintenance and calibration of laboratory equipment, ensuring all tools in the laboratory are in optimal working condition.
- Recommended new equipment and tools to enhance learning, staying abreast of technological advancements.
- Implemented and enforced safety protocols within the laboratory to maintain a safe learning environment.
- Led a team of technologists in a major laboratory renovation project.
- Developed a comprehensive equipment maintenance schedule that reduced breakdowns and extended the lifespan of lab tools.

TECHNOLOGIST I

October 2013 – September 2016

- Aligned laboratory exercises with theoretical course content, fostering a comprehensive learning experience.
- Updated lab experiments to reflect the latest advancements in electronics and engineering, ensuring students are exposed to current technologies and practical applications.
- Implemented a new lab management system that improved efficiency and reduced downtime.

TECHNOLOGIST II

March 2010 - September 2013

- Delivered hands-on training sessions to students, demonstrating the use and application of various electronics tools and equipment.
- Collaborated with faculty to develop laboratory courses that complement theoretical instruction, ensuring students gain practical experience that enhances their understanding of complex concepts.
- Provided one-on-one or group support to students during lab sessions and student projects, helping them troubleshoot issues and understand the intricacies of electronic circuits and systems.
- Developed new instructional materials that improved student engagement and learning outcomes.
- Initiated a student mentorship program that increased student retention and success rates.

BAFEM Technical Service:

January 2007 - February 2010

Junior Technician: Fabricated and installed duct for central Air conditioning
Installed Kitchen hood and heat Extractor. Insulation of ducts and pipes.

- Developed and tested electronic circuits, ensuring functionality and performance met design specifications.
- Identified and resolved issues in electronic systems, ensuring reliable operation and minimizing downtime.

ORGANIZATIONAL MEMBERSHIP

- Nigeria Institute of Science Laboratory Technology (NISLT)
- Institute of Electrical and Electronics Engineering (IEEE)

CONFERENCES

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| i. | 1 st College of Science, Engineering & Technology Conference
Osun State University Osogbo. Osun State. | 15-18 March, 2011 |
| ii. | NISLT Conference/Scientific Workshop O.A.U. Ile-Ife
Obafemi Awolowo University, Ile-Ife, Osun State. | 26- 29 October, 2011 |
| iii. | NISLT: Equipment Maintenance, Repair, Calibration,
Testing & Application. NISLT Headquarters Samonda U.I. Ibadan. | 8-14 July, 2012 |
| iv. | COREN: Engineering Capacity and Integrity for National
Transformation. International conference center Abuja. | 4-5 September, 2012 |
| v. | NSE: National Engineering Conference, Exhibition and
Annual General Meeting. International conference center Ilorin.
Kwara State. | 3-7 December, 2012 |
| vi. | NISLT: Scientific Research Methods, Qualitative Research,
Data Management and Reporting. NISLT Headquarters
Samonda U.I. Ibadan. Oyo | 5- 11 May, 2013 |
| vii. | COREN: 23 rd COREN assembly held at the International Conference
Centre Abuja Nigeria. | 18-20 August, 2014 |
| viii. | NISLT: advanced Equipment Maintenance, Repair, Calibration
and Testing. NISLT Headquarters Samonda U.I. Ibadan. | 12-18 October, 2014 |
| ix. | NIEE: workshop on lighting arrestors, surge protection,
Grounding and bonding. Ikeja Lagos. | 14-16 December, 2015 |
| x. | COREN: 25 th Engineering Assembly: Improving the Quality
of Engineering Education and Practice in Nigeria.
The Dome Akure Ondo State. | 10-12 August, 2016 |

xi.	NIEEE: International workshop on scientific & Engineering Tools (IWOSSET 2017). Engineering hall Osun State University Osogbo. Osun State.	24-28 July, 2017
xii.	NISLT: 34 th Annual National Conference/Scientific workshop of Nigerian institute of science laboratory Technology (NISLT) Federal Polytechnic Ede, Osun State.	6-10 November, 2018
xiii.	1 st International Conference on Engineering and Environmental Sciences Faculty of Engineering and Environmental Sciences, Osun State University Osogbo. Osun State.	5-7 November, 2019
xiv.	NISLT: Specialized workshop on scientific glassblowing techniques, Laboratory management, glassware maintenance and production. NISLT Headquarters Samonda U.I. Ibadan Oyo	15-21 August, 2021
xv.	NAAT: The Roles of Scientists and Technologists in the 21 st Century for National Development NAAT Osun State University Branch Osogbo. Osun State.	12-13 October, 2021
xvi.	2 nd International Conference on Engineering and Environmental Sciences Faculty of Engineering and Environmental Sciences, Osun State University Osogbo. Osun State.	23-25 Nov, 2021
xvii.	TETFUND/ SKILL G Training on the use of Science Engineering & Technology Laboratory/ Workshop Equipment in Electronics. Innov8 Hub, Abuja.	17-21 October, 2022
xviii.	NAAT: Science & Technology: Panacea for Nation's Building NAAT Osun State University Branch Osogbo, Osun State.	22-23 Nov, 2022
xix.	NAAT: Post COVID Menace: The role Technologists & Scientists In Rebuilding the Nation NAAT Osun State University Branch Osogbo. Osun State	5-7 December, 2023
xx.	3 rd International Conference on Engineering and Environmental Sciences Faculty of Engineering and Environmental Sciences, Osun State University Osogbo. Osun State	23-25 Nov, 2023
xxi.	NAAT: ARTIFICIAL INTELLIGENCE: A Scientific Tool for Laboratory Advancement NAAT Osun State University Branch Osogbo. Osun State	22-23 July, 2025

TRAININGS

- i. TETFUND/ SKILL G Training on the use of Science Engineering & Technology Laboratory/ Workshop Equipment in Electronics. Innov8 Hub, Abuja. 17-21 October, 2022
- ii. TETFUND/ SKILL G Re-training for Science Engineering & Technology Laboratory/ Workshop Equipment in Electronics. Gregory University Uturu, Abia State. 5-9 August, 2019
- iii. TETFUND/ SKILL G Training for Science Engineering & Technology Laboratory/ Workshop Equipment in Electronics. Gregory University Uturu Abia State. 3-15 May, 2015

- iv. Digital Bridge Institute: Advanced Digital Appreciation Program for Tertiary Institutions (ADAPTI)
NCC office Oshodi Lagos. 20-24 February, 2012

SERVICES

I. UNIVERSITY:

- i. Chairman organizing committee NAAT 2025 workshop and Training NAAT UNIOSUN Branch.
- ii. Representative National Association of Academic Technologist (NAAT) on University Committee for Condition of Service and Career Structure.
- iii. Supervised SWEP
- iv. Student Project Testing and Troubleshooting.

II. COMMUNITY:

- i. PRO and Member Security due and Development levy retrieval Iyaranje 2019 - 2024
Quarters Ilesha Osun State

Hobbies: Reading, Meditating, Observing nature etc

Referees: To be provided on request