ISIAQ OLANREWAJU MUSA, *MSc, COREN, MNSE, MNimechE*

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Professional Summary:

I am Professional engineer, holder of MS.c in Mechanical Engineering (Design and Production) with keen in Upgrading on my professional career, proof track record experience achievement in Lecturing, production and Manufacturing environment. Seeking a career with a reputable organization, that adds value with necessary incentives for corporate and individual advancement of world-class standard, so as to achieve the objective of the organization.

Education

2011 – 2014	**University of Lagos, Akoka Lagos, Nigeria**	**M.Sc Mechanical Engineering (Design & Production)**
2000 – 2008	**University of Lagos, Akoka Lagos, Nigeria**	**B.Sc Mechanical Engineering**

Academics Appointment

2025 – Date **Yaba College of Technology, Yaba Lagos** **Designation: Lecturer III (Full time Lecturing)**
Department of Mechanical Engineering

2014- 2025 **Yaba College of Technology, Yaba Lagos** **Designation: Adjunct Lecturer (Part time Lecturing)**
Department of Mechanical Engineering

Courses taken:

- Introduction to AutoCAD MEC 218
- Basic workshop practice MEC 112
- Engineering Drawing II MEC 205
- Machine tools tech & practice MEC 214
- Technical Drawing MEC 101
- Properties of Materials MEC 224
- Engineering Design MEC 312
- Mechanics of Machines MEC 315
- Machine Assembly, Installation & commissioning MEM 426
- Jigs and Fixtures Design MEM 425
- Press and Cutting Tools Design MEM 423

Industrial Experience

May, 2016 – 2025 **JMG Limited, Fg Wilson** Designation: **Senior machine/manufacturing engineer**
Block A, Plot 15 Osunkeye Crescent
[behind UPS LTD] ,Gbagada Lagos

Job Responsibilities:

- General Supervision of Fabrication Section (Cutting, Bending and General & Grinding) using metal sheets.
- Exceeded production target by 10 percent.
- Adherence to JMG policies and Manufacturing procedures
- Coordinate the operation of Plasma cutting machine and Strippit punching machines [PLC & CNC]
- Confirmed weekly Schedule and plan material availability.
- Coordinate, Supervision and Recording daily production of soundproof parts with the set plan achieved.
- Prepare designs with AutoCAD, processed and Generated CNC programs for machining through CAM Software and

saved to PC for operation

- Modification of Standards to minimize Cost level through machining and Nesting.
- Fabrication, Maintenance and arrangement of Generator Soundproof parts.
- Co-ordinate Training, employee development and ensure sate work environment
- Section representative on other teams, projects etc.
- Create Bill of Material (BOM) for new product, manage human personnel and machines with set target achieved
- Interpretation of design specification and ensure that a correct soundproof is been cut with the correct dimensions
- Monitor consumable usage, tooling List, ensure availability and fit for purpose
- Ensure compliance on daily routine maintenance on machines and report equipment breakdown immediately
- Prepare for and participating in Inventory Control Audit
- Understanding and strictly adhere to the JMG Quality Control manual
- Maintain tool calibration and record (if applicable)
- Audit QA checklists for content, accuracy and completion.
- Application and understanding of ISO 9001:2008

April, 2011- May,2016 **JMG Limited, Fg Wilson** Designation: **Process Design engineer/CAM programmer**
Block A, Plot 15 Osunkeye Crescent
[behind UPS LTD] , Gbagada Lagos

Aug.2010 – March 2011 **Leoplast II Industry Limited** Designation: **Senior Production Engineer**
5 Star bus stop Apapa expressway, Lagos

Job Responsibilities:

- Coordination and Made Report for Daily Production Output of Items produced (Injection molding machines)
- Ensured proper Maintenance, Servicing and repairing of machines accordingly
- Forecast new ideas that improved the effectiveness in production and Management with goal achieved.
- Prepared Monthly Productivity Report on Production Output to the General Manager
- Reduction of downtime to minimum level and boosted the production output.
- Ensured availability of raw materials against production targets while client goods are delivered at scheduled time.

Sept 2008 – Aug 2010 **Oak Plastics Limited, Behind Compass** Designation: **Production Supervisor/engineer**

Newspaper Ibadan expressway, Isheri north OgunState

Job Responsibilities:

- Maintenance, Controlled, Regulation and Operation of Programmable Logical Comptroller [PLC] machines such as Injection moulding machine, Blow mold machine, Chillers, Air compressor, Material dryer, Dehumidifier, suction machine with autoloaders, Generator sets 350kva, 500kva & 800kva according to the Preventive Maintenance System [PMS] guidelines and ensures that reports for repair and maintenance of equipment are accurate and complete.
- Monitored daily production target with proficiency use of Microsoft Excel and Word for records.
- Supervision of production process line from initial stage to final stage with the aid and implementation of Standard operation procedure.
- Improvement in production output, good quality of product (pet perform), Led to high customer demand and incorporation of another machine production line.
- Maintained Standard guidelines during the changing of core mould in the injection moulding machine.

June – September, 2008 **JMG Limited,** **Designation: Supervisor/Machine Operator**
Plot 15,Osunkeye, Crescent, Gbagada, lagos

Research Interests

Mechanical Design, Sustainable Manufacturing, CAD/CAM, CNC machining, Computing

List of Publications/Projects

Homotopy Analysis Method to Performance Study of Convective-Radiative Porous Fin with Internal Heat Generation under the Influence of Lorentz force
On the Heat Transfer Analysis in a Convective-Radiative Porous Fin under the influence of Magnetic Field: Application of Homotopy Analysis and Differential Transformation Methods
Harmonized comparison of polymer additive manufacturing processes under uniform ASTM and ISO protocols
Contribution of Riser and Chill edge effects to the mechanical behavior of Cast Aluminum plate (MS.c Project Research not publish)
The comparison of Efficiency of Solar drying and Open-air drying using sliced Plantain as a case study (BS.c Project)
Optimized Design of Soundproof Generators (Work experience Project Designed)
Installation and Commission of Injection molding machine and its auxiliary (Work experience Project accomplished)

Professional Examination/ Body Membership

REGISTERED ENGINEER **Council for the Regulation of Engineering in Nigeria, COREN** **R61404** **2021.**
CORPORATE MEMBER **The Nigerian Society Of Engineers,** **Reg. No.-49734.** **2018.**
CORPORATE MEMBER, **The Nigerian Institution of Mechanical Engineers,** **Reg. No-M00054.** **2009.**

IT Skills

Proficiency in the use of Microsoft Excel, Internet, Word Processing, Microsoft Access, AutoCAD 2D & 3D modelling, PowerPoint, CADMAN and CAM software applications, Manufacturing processes, Critical thinking and Problem solving,
Microsoft Dynamics AX 2012, Leadership, Managerial and time Management.

Courses and Trainings undertaken

27th April, 2026	**How to check and remove Plagiarism, detect And remove AI content**	**Turnitin committee, Yabatech.**
24th February 2026	**Response use of Artificial Intelligence (AI)**	**USA mission in collaboration with CHRD, YCT**
11th Feb, 2026	**Outcome Based Education (OBE) Evaluation of attainments of POs, PEOs, and best practice in CQI**	**COREN accreditation committee (EAC)**
15th – 16th July 2025	**Lean Management**	**Macnord, Lagos, Nigeria**
29th April 2024	**The Impact of Climate Change and Heat Stress on Occupational Health and Safety**	**NEBOSH Webinar**
12th April 2024	**Data Sciences and Analytics**	**HP LIFE online course**
24th April 2023	**Success Mindset**	**HP LIFE online course**
4th – 5th October 2018	**Continuing Professional Education for Executive Engineers (CoPEEE)**	**NSE Liaison Office VI, Lagos, Nigeria**
12th May 2018	**Working and Managing Safely- HSE Management**	**LCCI, Ikeja, Lagos, Nigeria**

4th – 5th June 2016	**Operator Performance improvement Workshop**	**ITF Lagos, Nigeria**
Sep & Nov 2013	**HSE TRAINING (HEALTH, SAFETY & ENVIRONMENT)**	**JMG Lagos, Nigeria**
August 2012	**Autodesk Inventor**	**Unilag, Nigeria**
26th-27th FEB 2009	**OAK PLASTICS LIMITED (CERTIFICATE OF ATTEDANCE ON FIRST AID TRAINING)**	**Lagos, Nigeria**
17th -21st AUG 2009	**Institute for Industrial Technology (CERTIFICATE IN ELECTROL-PNEUMATICS CONTROLS)**	**Lagos, Nigeria**
8th – 19th JUNE 2009	**Institute for Industrial Technology (CERTIFICATE IN FUNDAMENTAL OF BASIC PNEUMATICS MAINTENANCE AND CONTROLS)**	**Lagos, Nigeria**
JUNE – SEPT 2008	**JMG Limited (TRAINED ON MANUFACTURING CAM APPLICATION PROCESS BY DESIGN AN OBJECT WITH THE AID OF AUTOCAD THROUGH CNC AND LANTEK)**	**Lagos, Nigeria**
JUNE – AUG 2006	**Compusoft Institute of Information Technology Bauchi State (DIPLOMA CERTIFICATE IN AUTOCAD STUDIES)**	**Bauchi, Nigeria**
MAY -JULY 2006	**Compusoft Institute of Information Technology Bauchi State (DIPLOMA CERTIFICATE IN COMPUTER STUDIES)**	**Bauchi, Nigeria**

Referees

Available on request.