

## **MICHAEL WAMBUA**

P.O. Box 103931-00101, Nairobi, Kenya  
Mobile: +254707933086  
Email: wambua.m@outlook.com

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## **Profile**

Motivated Electrical Engineer with comprehensive knowledge in designing, implementing, and maintaining electrical systems for industrial and commercial applications. Adept at utilizing software tools for data analysis and automation, demonstrating a unique blend of engineering and technical skills. Committed to leveraging engineering principles to solve complex challenges while ensuring safety, quality, and operational efficiency.

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## **Education**

**Bachelor of Science in Electrical and Electronics Engineering**  
University of Nairobi, 2nd Class Honours

## **Certifications**

- ISO Quality Management Systems
  - Engineers Board of Kenya
  - Google Cloud Certified Associate Cloud Engineer
  - AWS Machine Learning Foundations Certification
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## **Core Competencies**

- **Electrical Systems Design & Implementation:** Skilled in designing and implementing electrical systems with a focus on safety and operational efficiency.
  - **Project Management:** Experience in scheduling and managing electrical projects, ensuring timely delivery and adherence to goals.
  - **Technical Support:** Proven ability to offer technical guidance and support during installation, testing, and maintenance phases.
  - **Data Analysis:** Competent in analyzing energy consumption data to drive efficiency improvements.
  - **Problem Solving:** Strong analytical skills with a focus on troubleshooting electrical systems and optimizing performance.
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## Professional Experience

### Operations and Maintenance Engineering Intern

*Corrugated Sheets Limited*

March 2024 – August 2024

- **Electrical Systems Design:** Designed and implemented electrical systems for industrial machinery, ensuring compliance with engineering standards and safety protocols.
- **Factory Logger System Development:** Developed a factory data logger system to enhance data management and operational efficiency, allowing for real-time monitoring and analysis of production processes.
- **Project Management:** Scheduled and managed electrical construction and maintenance projects, coordinating with team members to ensure timely and efficient execution.
- **Testing and Quality Control:** Conducted tests and inspections on electrical systems, ensuring all equipment met safety and performance requirements.
- **Troubleshooting and Collaboration:** Collaborated with engineers and technicians to troubleshoot issues and implement solutions to optimize system functionality.

### Electricity and Renewable Energy Engineering Intern

*Energy and Petroleum Regulatory Authority (EPRA)*

April 2023 – October 2023

- **Energy Regulations and Compliance:** Ensured strict adherence to renewable energy and electricity distribution regulations, maintaining industry-specific standards.
- **Technical Audits:** Conducted comprehensive technical audits of electrical distribution systems, identifying inefficiencies, safety concerns, and compliance issues, and provided actionable recommendations.
- **Renewable Energy Project Design:** Specialized in designing sustainable and efficient renewable energy projects (solar and wind systems), promoting environmental responsibility and energy sustainability.
- **Technical Standards Compliance:** Ensured compliance with international and local technical standards, ensuring the quality and reliability of electrical projects.
- **Energy Management Policy Review:** Collaboratively reviewed and evaluated energy management policies, offering insights to enhance energy efficiency and sustainability.
- **Environmental Compliance:** Ensured strict adherence to environmental compliance standards and regulations in all projects, minimizing ecological impact.
- **Automation:** Proficient in automating processes, including PDF data extraction, to streamline workflow and enhance data management.

### Electrical Engineering Attaché

*Colenco Consulting*

June 2021 – December 2021

- Assisted in the assembly and troubleshooting of critical infrastructure systems, focusing on IoT data collection in distribution stations.
  - Performed routine maintenance on electrical systems, ensuring compliance with safety regulations.
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## Technical Skills

- **Electrical Design Software:** Proficient in AutoCAD Electrical and SolidWorks Electrical for designing and analyzing systems.
  - **Data Analysis Tools:** Skilled in data analysis and reporting, providing actionable insights for efficiency improvements.
  - **Software Proficiency:** Basic knowledge of programming languages such as Python, enhancing the ability to automate tasks and analyze data.
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## References

Available upon request.

DG008026

# UNIVERSITY OF NAIROBI

This is to certify that

**Michael Mutisya Wambua**

having satisfied the requirements  
for the award of the degree of the

**BACHELOR OF SCIENCE  
IN ELECTRICAL  
AND ELECTRONIC ENGINEERING**

**Second Class Honours (Lower Division)**

was admitted to the degree  
at a Congregation held at  
this University on the

**Sixteenth Day of December in the Year  
2022**



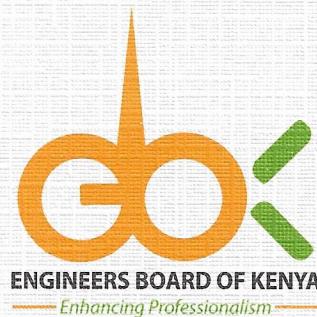
VICE-CHANCELLOR



DEPUTY VICE-CHANCELLOR  
(ACADEMIC AFFAIRS)

F17/47664/2017

B22023260



ENGINEERS BOARD OF KENYA

This is to certify that

Michael Mutisya Wambua

has been duly registered as a

*Graduate Engineer*

Pursuant to and in accordance with Section 18 of the Engineers Act,

2011 and that on the ..... 28<sup>th</sup> day of ..... June ..... 2024 .....

such name was entered in the Register under the Serial Number

..... B.26318 ..... Given under our hands and

Common Seal of the Engineers Board of Kenya, at Nairobi

this ..... 28<sup>th</sup> day of ..... June ..... 2024 .....

A blue ink signature of 'Eng. Margaret N. Ogai'.

Eng. Margaret N. Ogai

Registrar



Kenya Bureau of  
Standards  
Standards for quality life



Cert Number: 1555/NQI/2023

# Certificate

## Quality Management Systems

This is to certify that OJo ' sdex80—8Jo ' sdex@ION

**Michael Wambua**

has attended the

**ISO 9001:2015 Implementation Course**

Venue: Nairobi

Start Date: 28th August 2023

End Date: 31st August 2023



National Quality  
Institute

Entrenching a culture of quality in the Kenyan society

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Director SDT

KENYA BUREAU OF STANDARDS



[www.kebs.org](http://www.kebs.org)



This acknowledges that

Michael Wambua

has successfully completed all the requirements to be recognized as a

Google Cloud Certified  
Associate Cloud Engineer

Series ID: 117762

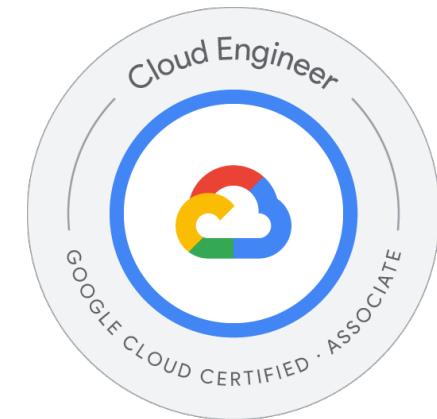
Issue Date: 25 Aug 2023

Expiration Date: 25 Aug 2026

ID: 5809e5be775048c4a821b53eb3912aa3

Certified As: Michael Wambua

Thomas Kurian  
CEO, Google Cloud





COURSE



# AWS Machine Learning Foundations 2022

CERTIFICATE OF COMPLETION

Awarded to

## Michael Wambua



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SEBASTIAN THRUN  
Founder, Udacity



September 2022

Udacity has confirmed participation of this individual in this program. Confirm program completion at [confirm.udacity.com/KJURRKCC](https://confirm.udacity.com/KJURRKCC)