

CURRICULUM VITAE

PERSONAL INFORMATION

Name: Tinega Mamboleo Wilfred

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PROFILE

Motivated and detail-oriented Electrical and Electronics Engineering student with experience in circuit design, 3D modeling, electrical building design. Seeking a challenging position in the field of electrical and electronics engineering where I can apply my technical skills and contribute to the success of the company.

EDUCATION

Course: Bachelor of Science in Electrical and Electronics Engineering

Institution: Murang'a University of Technology

Graduation date: December 2025

Relevant Coursework: Communication Systems, Signals and Systems, Physical, Analogue and Digital Electronics, Material Science, Fluid Mechanics, Thermodynamics, Mechanics Of Machines, Circuit Network Analysis, Electrical Building Services And Protection, Microcontroller And Embedded System, Sensor and Electromechanical Systems, Synchronous Machines, DC and Induction Machines, Control Engineering.

High School Diploma, St. Joseph's Nyabigena Boys High School, Graduation Date: 2019 Grade: B+ [Plus]

WORK EXPERIENCE

1. Brookside Dairy Limited

Duration: 2 Months (10th July 2023- 31st August 2023)

Duties:

- ❖ Routine and Preventive maintenance of the following machines:- TREPKO Filler Machine, NIMCO FILLER MACHINE, IMA Benhill MACHINE, NICHROME Filler Machine, Elecster Filler Machine, Filmatic Machine, Homogenizer, Centrifugal Pumps, Cluster Valves, Tetra Brik Aseptic, Tetra Classic Aseptic, Tetra Fino Aseptic, Butter Churn.
- ❖ Installation of three phase motors on the various machines
- ❖ Maintaining electrical installations.
- ❖ Troubleshooting sensors and actuators on the production lines and machines.
- ❖ Loading EPROM to machines
- ❖ Control(SCADA)

2. Danny Electrical Solution Ruiru

Duration: 2 Months (1st May 2023- 30th June 2023)

Duties:

- ❖ Chasing and making channels for conduits
- ❖ Dropping and laying conduits and trunking
- ❖ Mounting switch, socket, and distribution boxes
- ❖ Designing Electrical installation design
- ❖ Installation of switches, sockets, lamps
- ❖ Installation of water pumps
- ❖ Installation of CCTV cameras
- ❖ Installation of burglar alarm
- ❖ Installation of the Deep flyer

3. Murang'a University of Technology

Duration: 3 months (24th April, 2022 – 31st July, 2022)

- ❖ Conducted circuit design using Autodesk Inventor and conducted MATLAB simulations
- ❖ Created 3D models using Autodesk Inventor and SolidWorks
- ❖ Assisted in the installation of lighting circuits, power circuits, and alarm circuits
- ❖ Conducted computer-aided drawings using SolidWorks, Autodesk Inventor, and Autodesk
- ❖ Participated in the design of digital electronics, including amplifiers
- ❖ Installed single and three-phase consumer units and motors
- ❖ Conducted power rating using PowerWorld and MATLAB
- ❖ Designed and installed cooker circuits

SKILLS

i. Technical Skills:

- Circuit design using Autodesk Inventor and SolidWorks
- MATLAB simulation
- 3D modeling and design using Autodesk Inventor and SolidWorks
- Installation of lighting circuits, power circuits, and alarm circuits
- Design of digital electronics(amplifiers,counters)
- Installation of single-phase and three-phase consumer units
- Installation of single-phase and three-phase motors
- Material testing

ii. Soft Skills

- Teamwork
- Communication skills
- Time management
- Problem-solving

REFEREES

Madam Pauline Karobia, Electronic Lab Technician Murang'a University of Technology

Tel: 0727 133 103

Daniel Karanja, Danny Electrical Solution

Tel: 0720 985 267

John Biegon, UHT Technical Department Brookside Dairy Limited

Tel: 0722 302 473

Andrew Gachuhi, UHT Technical Department Brookside Dairy Limited

Tel: 0722 416866