

KUDZAI K. BANDERA

ELECTRONIC ENGINEERING UNDERGRADUATE

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ID: 63-2392922K38

PROFFESIONAL PROFILE

An innovative and detail-oriented Electronic Engineering undergraduate with a passion for power systems, control engineering, and circuit design. Adept in microcontroller programming, simulation tools (Proteus, LTspice), and hands-on prototyping. Motivated to solve real-world engineering challenges with a creative and analytical mindset.

EDUCATION

CHEMHANZA HIGH SCHOOL

Ordinary Level, 10/10 O' Level passes

JAN 2015 – Nov 2018

ST ANNE'S HIGH SCHOOL

Advanced Level, 3/3 A' Level passes

FEB 2019 – Nov 2020

BINDURA UNIVERSITY OF SCIENCE EDUCATION

Bachelor Of Science Honor's Deg. Electronic Engineering

Aug 2023 - Present

PROJECTS

0V-30V Variable Power Supply unit

- Designed and simulated a variable power supply unit using Proteus 8.
- Developed a complete schematic and PCB layout for adjustable voltage output.
- Simulated performance to ensure stable operation across different load conditions.

Traffic Light Controller Using PIC Microcontroller

- Designed, programmed, and simulated a functional traffic light controller using MikroC and Proteus.
- Integrated timing logic to manage red, yellow, and green light transitions for realistic operation.
- Verified behavior through simulation, ensuring correct sequencing and response to delays.

Group Project: PCB Design and etching

- Created a PCB design using Proteus 8, including schematic capture and layout.
- Printed the design on transparency film and transferred it to copper-clad board.
- Etched, drilled, and cleaned the board to produce a functional, custom PCB.

GitHub repository link to my projects: <https://github.com/Kevvyo8?tab=repositories>

SOFT SKILLS

1. Problem-solving
2. Communication
3. Teamwork
4. Adaptability
5. Time management
6. Attention to detail

TECHNICAL SKILLS

1. Circuit design and simulation
2. PCB design and etching
3. C/C++ programming
4. Microcontroller programming (PIC)
5. Soldering and prototyping
6. Technical Documentation and reporting

REFERENCES

1. Dr C. Shonhiwa

Chairperson

Bindura University Of Science Eduction

Cell: +263 77 955 0393

2.Eng. Marufu (lecturer)

Cell: +263 77 358 7388

CURRENT RESULTS:

BINDURA UNIVERSITY OF SCIENCE EDUCATION



Registration: B227226A
Full Name: BANDERA KUDZAI K
Programme: BACHELOR OF SCIENCE HONOURS DEGREE IN ELECTRONIC ENGINEERING
Status: Student
Awards: None

Level: 1.1

Course Code	Course Name	Class	Decision
EEE1101	Engineering mathematics 1a	2.1	P
HS102	Health education	2.1	P
EEE1103	Electrical engineering circuit analysis	2.1	P
EEE1102	Engineering drawing	2.1	P
CS101	Introduction to computer science	1	P

Level: 1.2

Course Code	Course Name	Class	Decision
PC108	Citizenship education & conflict transformation	2.1	P
EEE1201	Engineering mathematics 1b	2.2	P
EEE1105	Software engineering and applications	2.1	P
EEE1207	Digital electronics	2.1	P
EEE1203	Electronic engineering devices and circuits	2.1	P
PC103	Communication skills	1	P
EEE1204	Computer engineering and programming	2.2	P

Level: 2.1

Course Code	Course Name	Class	Decision
EEE2102	Network theory	2.1	P
EEE2201	Engineering mathematics iib	2.2	P
EEE2110	Workshop practice	2.1	P
EEE2210	Electromagnetic theory	2.1	P
EEE2209	Control engineering	2.1	P