
EXECUTIVE SUMMARY

A dedicated lecturer, passionate about teaching, inspires and engages students through interactive and innovative methods.

Cores skill & Competencies

<ul style="list-style-type: none">▪ Water and wastewater technology expertise in Civil Engineering▪ Demonstrated leadership and teaching skills▪ Effective communicator and collaborator▪ Proficient in MS Office, ArchiCAD, AutoCAD, Civil3D▪ Experienced in soil and concrete testing for water infrastructure▪ Skilled in surveying, concrete mix design, and construction processes	<ul style="list-style-type: none">▪ Strong project and workstream management abilities▪ Capable of public speaking, data presentation, and reporting▪ Detail-oriented with keen analytical skills▪ Interpersonal skills for effective teamwork▪ Proficient in financial management
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PROFESSIONALEXPERIENCE:

MURANG'A UNIVERSITY OF TECHNOLOGY

Oct 2023- PRESENT: TECHNOLOGIST

Duties & Responsibilities

- Set up and maintain laboratory equipment and facilities.
- Ensure the availability of necessary materials, tools, and resources for practical sessions.
- Oversee the safety protocols and compliance with laboratory guidelines.
- Assist students and faculty in conducting experiments and practical exercises.
- Provide guidance on proper handling and usage of laboratory equipment.
- Contribute to research projects within the department or related fields.
- Maintain records of laboratory activities, experiments, and results.
- Conduct training sessions for students on the use of laboratory equipment

MURANG'A UNIVERSITY OF TECHNOLOGY

Jan 2023- PRESENT: TVET TRAINER

Duties & Responsibilities

- Applying knowledge from my field experience to classroom lessons and activities
- Preparing course content, including presentations and assignments
- Conducting lectures on Project management, CAD drawings and Water resources management
- Marking CATs and examinations
- Maintaining students' progress reports;
- Assisting in research on projects

THE UNIVERSITY OF NAIROBI

Aug 2022 - Jan 2023: CIVIL ENGINEERING RESEARCH ASSISTANT

Duties & Responsibilities

- Write a project proposal
- Prepares interview questions and collects data.
- Perform research experiments.

- Analyze data and summarizes results.
- Fact checks and proofreads manuscripts.
- Generates graphs and spreadsheets to portray results.

KIRICONSTRUM.

Project: KEMSA PHARMACEUTICAL DEPOT WAREHOUSE AND OFFICE BLOCK

January-May 2022: Structural Engineer Intern

Duties and Responsibility

- Site inspection and supervision of construction works
- Design and analysis of structural elements
- Drawing and interpretation of Structural drawings
- Supervision of steel work as per Engineers details
- Supervision of concrete mixing, building lines followed and checking levels of beams Key achievements
- Contributed to the Management of construction of the KEMSA office blocks

KENYA NATIONAL HIGHWAY AUTHORITY (KeNHA).

Project: KISII- AHERO (A1) ROAD PROJECT

January - April 2020: Civil Engineer Intern

Duties & Responsibilities

- Conducting an Environmental Impact Assessment on Health, Safety, and Environmental procedures
- Design, supervision and management of roads and drains construction, bridges and culverts construction, Nyabondo Trauma Centre buildings construction
- Survey works; for quality control, for setting out of bridges and culverts and topographic surveys for planning and design of roads infrastructure.
- Laboratory works; Quality control section Key achievements
- Contributed to the Management of construction of Nyabondo Trauma Center, Owade Bridge, Box, Cross and Access culverts as well as the A1 International Highway.
- Complemented by my Industrial supervisor and co- staffs for my commitment to the job.

AEGIS CONSTRUCTION COMPANY

Project: MWEIGA- BROOKSIDE- KIMATHI UNIVERSITY Road (D449/450A)

Jan- Apr 2019: Civil Engineering Attaché Duties

& Responsibilities

- Supervision and management of roads, culverts and drains construction, as well as Honi bridges construction
- Survey works; for quality control, for setting out of bridges and culverts and topographic surveys for planning and design of roads infrastructure.
- Laboratory works; Quality control section Key achievements
- Contributed to the Management of construction of Mweiga - Chaka class D road and Honi Bridge

St. ALBERT GIRLS HIGH SCHOOL ULANDA

Jan- Aug 2016: TUTOR

Duties & Responsibilities

- preparing schemes of work, lessons notes, work/lesson plans and training in physics and maths
- assist in marking midterm and end term examinations

- maintaining students' progress reports;
 - preparing training materials and aids; and
 - collecting data for research on projects relating to physics and mathematics
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SIGNIFICANT TRAINING:

- Project Management- Microsoft Online School (LinkedIn)
 - ArchiCAD – Webbs Institute, Nairobi
 - AutoCAD – Webbs Institute, Nairobi
 - Civil 3D – Webbs Institute, Nairobi
 - Microsoft Office- Pap Nyakiso Computer School
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EDUCATION

- 2022: Bachelor of Science in Civil Engineering- Dedan Kimathi University of Technology (Second Class Honours)
 - 2015: Kenya Certificate of Secondary Education- St. Albert's Girls High School. (A)
 - 2011: Kenya Certificate of Primary Education - Wachara Primary School. (B+)
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INTEREST:

A curious and critical thinker who enjoys reading general books, trying out new experiences, mentorship, volunteering and participating in charity and outreach programs

REFEREES:

1 Mr. Felix Quentin Biketi, Ag. Chair of Department (Engineering Technology), Murang'a University of Technology, Tel: +254 712681045	2 Eng. Wislay Osindi Mocha, PE, MIEK, Structural Engineer, Kiri Consortium, Tel: +254 728948604 mochawislay@gmail.com.	3 Dr. Njenga Mburu, Ag. Dean School of Engineering, Dedan Kimathi Uni of Technology, Box 657, Nyeri, Tel: (+254)728777573 njmburu2002@yahoo.com
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