

DOROTHY ADHIAMBO

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Professional Summary: A professional in Biomedical Engineering passionate about design, supply, maintenance, and research in medical science and engineering with a focus on improving the quality of life. I boast of my competence in data collection and analysis procedures and anticipate learning more through experience in professional training to enable me to grow and achieve high production standards in my place of employment. I am skilled in research, networking, communication, problem-solving, analytical techniques, and leadership. I want to build a professional team to enhance my competence as a designer and research analyst in my future biomedical career.

Professional Experience

Biomedical Engineering Trainer- Imperial College of Medical and Health Sciences, Thika Kenya:

September 2023-Present

- Training medical engineering college students on core engineering disciplines.
- Instilling the concept of leadership and mentorship among our students
- Recording, analyzing and evaluating individual student performance and progress, while offering proper guidance to the best route to lead quality college lifestyles
- Ensuring quality control and validated the operation of machines and other institution equipment.
- Following and adhering to the college's core principles including courage, integrity, and innovativeness
- Preparing student assignments, CATs, and exams, marking and recording results
- Frequent update of course content through strategic research
- Supervising and guiding assigned final year students on research projects relating to medical engineering principles
- Preparing course contents using the standardized curriculum for all college student levels

Biomedical Engineering Intern-Maintenance department (Outspan Hospital, Nyeri Kenya):

February 2022-February, 2023

- Routine checked the renal water plant, oxygen plant manual drain, and the generators, and recorded MRI tracking logs' temperature, pressure, and cold head information in hard copies.
- Constructed and distributed checklists for preventive maintenance of each piece of equipment in the hospital.
- Recorded, analyzed, and delivered the information on water plant and generator parameters to the supervisors.

- Ensured quality control and validated the operation of machines and other hospital equipment.
- Repaired broken equipment and prepared and constituted future preventive maintenance in each department.
- Maintained biosafety standards in the hospital through maintenance, repair, and appropriate disposal.

Biomedical Engineering Student Attachment (Nyeri Referral Hospital, Nyeri Kenya): June 2019-August, 2019

- Performed diagnosis of broken equipment within the hospital.
- Ensured hospital equipment maintenance and proper repairs.
- Assisted during the installation of CT scan equipment for the imaging department and the cold room equipment for the morgue.
- Maintained biosafety standards.
- Connected with other hospital staff from various departments during training sessions enabled me to gain networking and people relation skills.

Educational Background

Institution	Course	Period
Kenyatta University	Degree Biomedical Engineering	2015-2021
Kenyatta University	Certificate in Leadership and Mentorship	2020-2021
Asumbi Girls High School	Secondary Education	2011-2014
St. Peters Cape View	Primary Education	2004-2010

Trained Skills

- Scientific skills: Diagnostics
- Customer Relationship Management skills: Using CRM tools, including social media
- Research Skills: Formulation of hypothesis, Data collection, analysis, and interpretation
- Software Skills: Windows and Microsoft Application, Solidworks, Proteus, Arduino, and Autodesk.
- Writing Skills: Research paper writing and Proposal writing.
 - Training and consultation

Hobbies

- Researching
- Data collection
- Data Analysis
- Adventures
- Reading
- Writing
- Listening to music
- Content creation

Referees

LAUREEN WESONGA:

MENTOR: APPLIED
SCIENCES DEPARTMENT
IMPERIAL COLLEGE OF
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SCIENCES

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