

Summer Volunteer and Internship Report: Biomedical Engineering Department

Participant: Hana Birhanehiwot

Role: Biomedical Engineering Intern / Volunteer

Duration: July 2, 2025 to September 5, 2025

Hospital/Institution: Teffera Haiu Memorial General Hospital, Sekota

This report summarizes my proactive engagement as a volunteer and intern within the Biomedical Engineering Department during the summer break. The primary objective of this immersion was to bridge theoretical BME knowledge with real-world clinical operations, focusing on the maintenance and readiness of essential medical equipment.

Key Activities and Contributions

My daily responsibilities centered on ensuring the reliability and safety of critical medical devices. Key activities included **preventive maintenance (PM) support** on patient monitoring systems and infusion pumps, assisting senior technicians with **complex troubleshooting and repair logs**, and performing **inventory management and documentation** to ensure compliance and traceability.

Most critically, I was directly involved in **assisting with the installation and configuration of vital respiratory support systems**, including **oxygen tanks and oxygen concentrators**, which significantly helped boost the hospital's capacity for critical patient care. My efforts directly supported the clinical staff, ensuring that equipment was functional and readily available for patient care, making my presence extremely helpful to the hospital. Furthermore, recognizing the needs of the community, I proactively showed paths and **guided people who were unfamiliar with the hospital environment**, ensuring timely access to services.

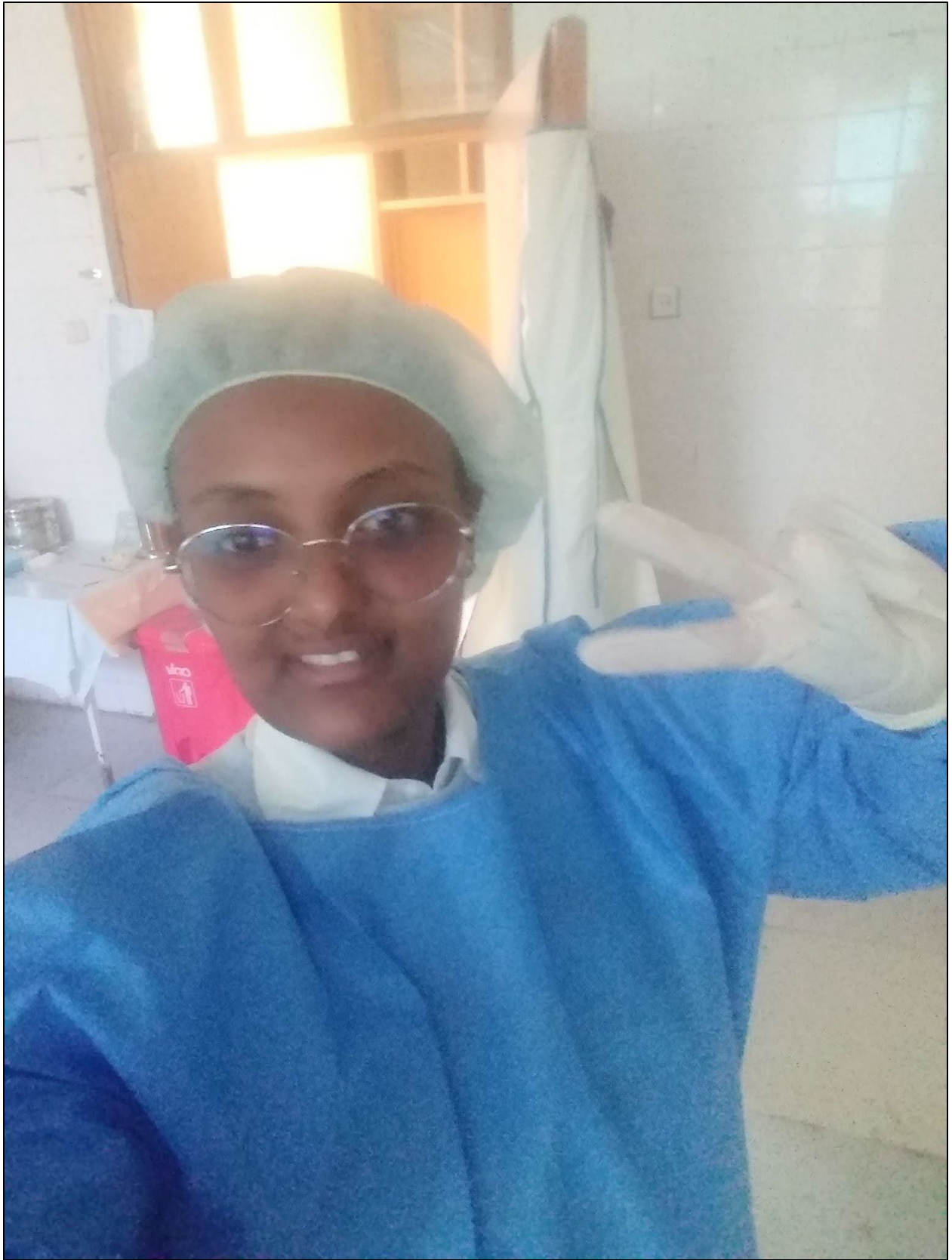
Impact, Discipline, and Professional Growth

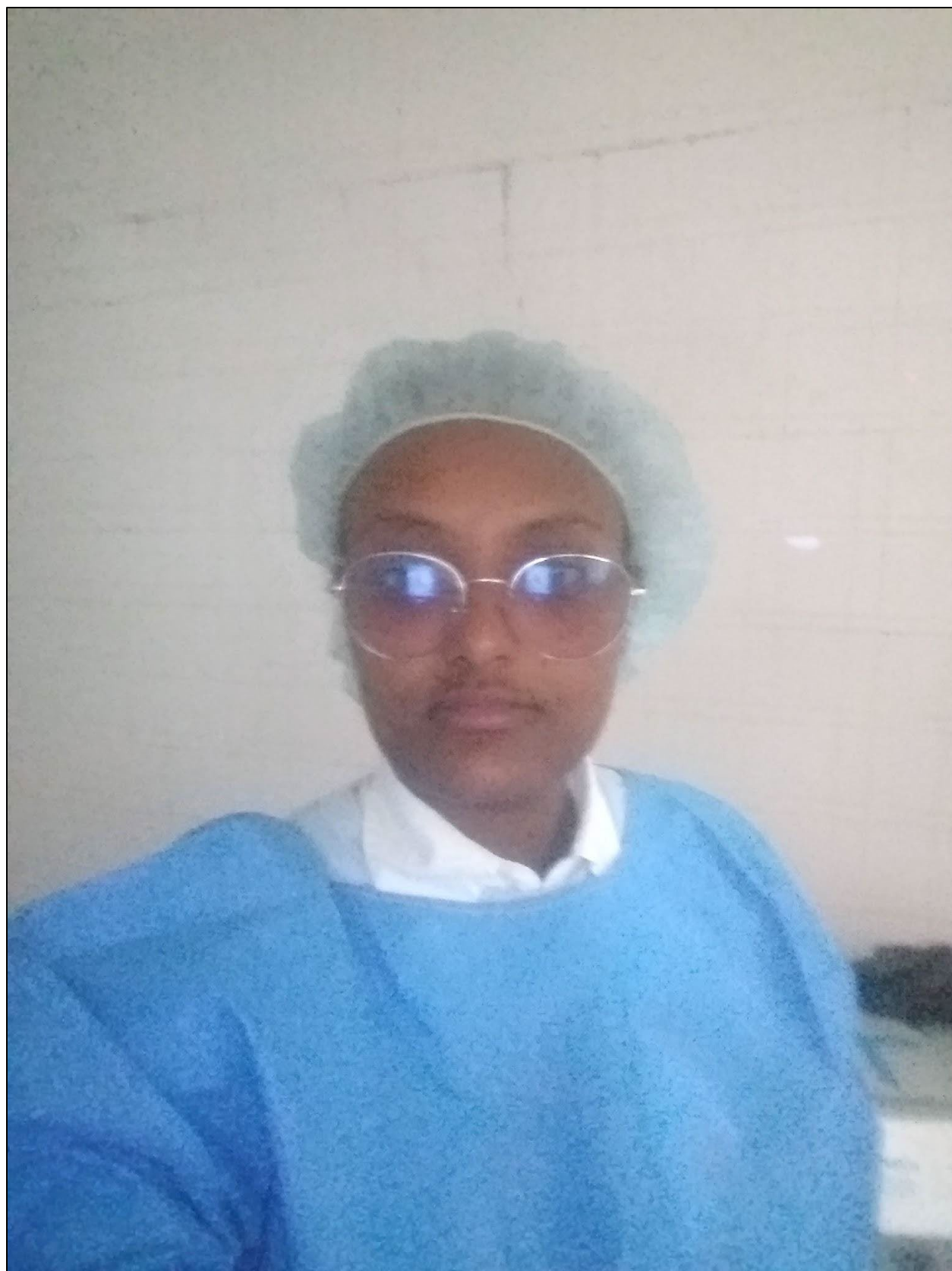
This internship reinforced my belief that **helping others now and helping myself for the future are interconnected acts of service**. By dedicating myself to rigorous on-the-job learning—gaining technical expertise, practicing discipline, and honing critical thinking skills—I was not just contributing to the immediate operational needs of the hospital; I was preparing to be a more competent and impactful biomedical engineer for future patients and colleagues.

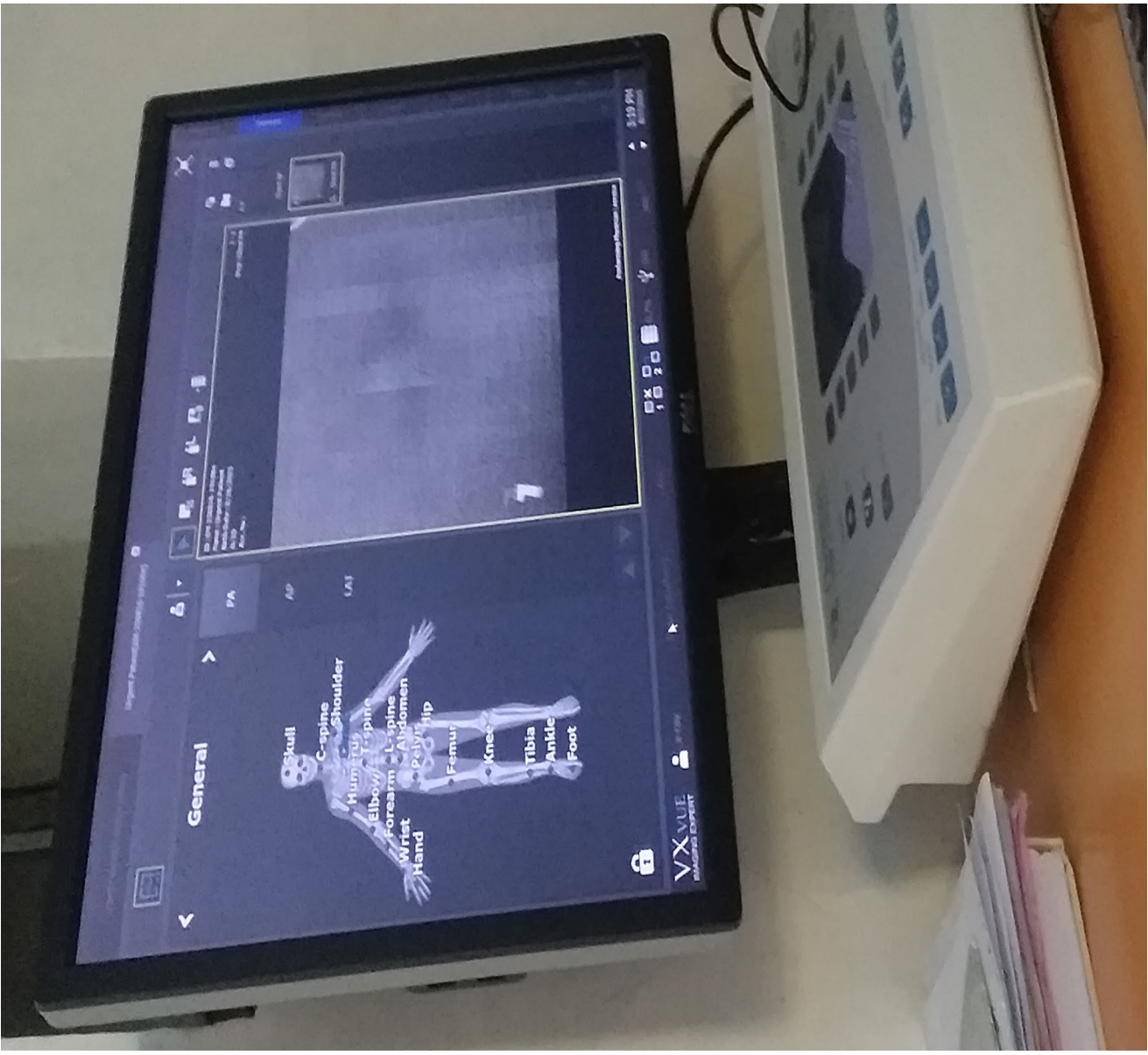
My performance, reflecting both high technical aptitude and professional commitment, was acknowledged by the Department Head, who issued a strong **letter of recommendation** highlighting my discipline, work ethic, and contributions to equipment readiness. I am confident this experience has significantly advanced my professional maturity and technical capabilities.

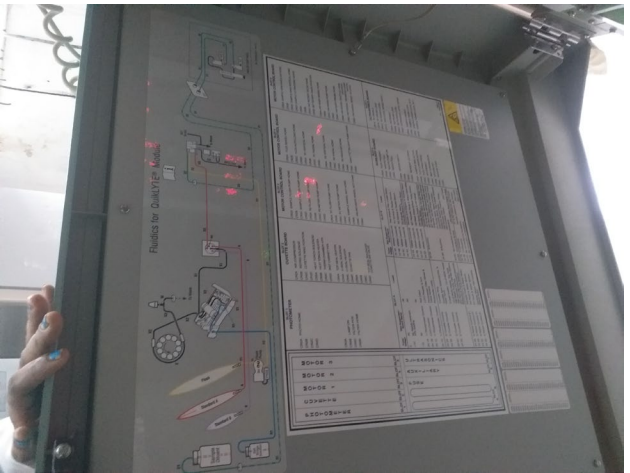
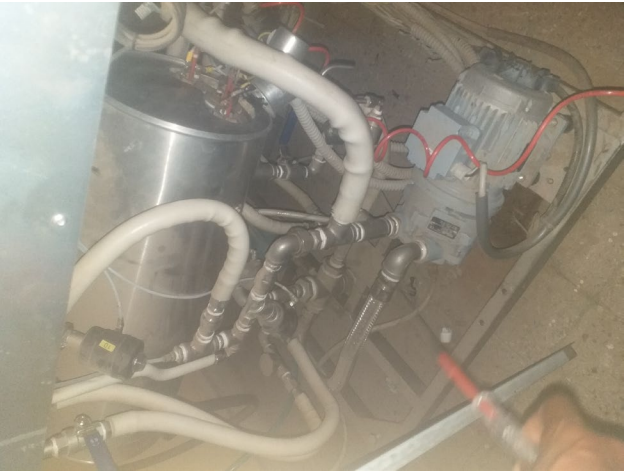
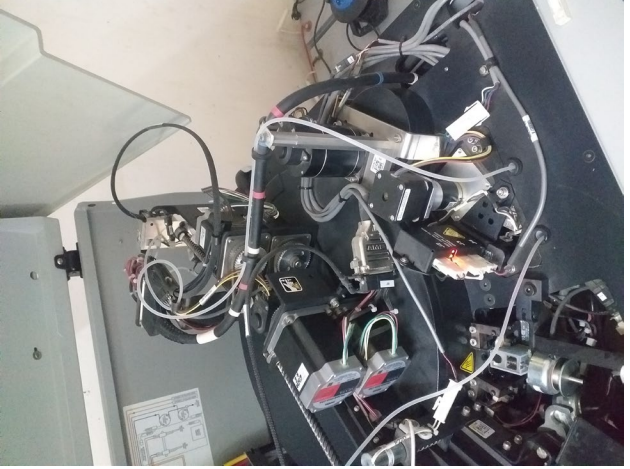
Supporting Evidence











To whom it may concern

I am pleased to write this letter of recommendation for Hana Birhanehiwot, who was with us at Teffera Hailu Memorial General Hospital for a period of two months from July2, 2025 to September5, 2025.

During this time, she actively participated in a variety of tasks, including preventive maintenance, corrective maintenance, Installation of Medical Equipments. Despite of the short duration, Hana Birhanehiwot, demonstrated a strong work ethic, quick adaptability, and a positive attitude.

She was particularly effective at learning new skills, collaborating with team members, & managing time efficiently. And also consistently showed initiative & willing to take on new responsibilities specifically on medical equipments , no matter how it challenging.

Please feel free to contact me at fisowondimu1988@gmail.com if you require any further information.

Sincerely,

Mr. Fisha Wondimu

Biomedical Engineer and Head, Teffera Hailu Memorial General Hospital

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