

**Gumisiriza Phillip**  
**Biomedical Engineer**  
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**Kampala Uganda**  
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## PROFESSIONAL SUMMARY




A results oriented and self-driven Biomedical Engineer with extensive experience in the assembly, installation, servicing, repair and maintenance of medical equipment, adept at working with advanced biomedical technologies, including AI applications in research and oxygen plant systems. I have a proven ability to work under pressure, manage multiple projects, and collaborate with multidisciplinary teams to enhance healthcare systems and focused on improving patient care and operational efficiency through innovative biomedical solutions

## CAREER OBJECTIVE

To utilize my expertise in biomedical engineering and my passion for healthcare innovation to contribute to an organization that values technological advancements and community health. I seek a role that challenges me to improve healthcare systems, innovate medical devices, and enhance the well-being of patients through high-quality biomedical engineering practices.

## PERSONAL CORE VALUES

 Teamwork  
 Professionalism  
 Innovation

 Accountability  
 Inclusion  
 Responsibility

 Integrity  
 Transparency  
 Trustworthy

## EDUCATION BACKGROUND

Period	Certificate Awarded	Awarding Institution
2016 - 2021	Bachelor's Degree in Biomedical Engineering	Mbarara University of Science and Technology
2013 - 2014	Uganda Advanced Certificate of Education	St. Joseph's Vocational School, Mbarara
2001 - 2004	Uganda Certificate of Education	Sacred Heart Sec School, Mushanga

## KEY SKILLS AND COMPETENCES

- Assembling, installation, and servicing of medical equipment such as diagnostic machines
- Advanced proficiency with medical systems like PLX5200, PLX112, and PLX118C Series
- Expertise in Artificial Intelligence (AI) integration in biomedical applications
- Oxygen plant systems installation, operation, and troubleshooting
- HVAC system installation and maintenance (including clean air plant systems)
- Proficient in troubleshooting, testing, and repairing complex medical devices
- Strong understanding of healthcare compliance and safety regulations

- Tablets and capsules making.
- Dissolution and assimilation of medicines in the body.

## **SUMMARY OF EMPLOYMENT HISTORY**

**Jan 2024 – Jan 2025: Biomedical Engineer**

**Kira Hospital, Bujumbura Burundi**

### **Duties & Responsibilities Performed**

- Assist in the installation and calibration of various medical equipment including defibrillators, incubators, and patient monitoring systems.
- Conduct preventative maintenance on hospital medical equipment to ensure their operational reliability and safety.
- Support senior engineers in diagnosing and repairing faulty medical equipment, reducing hospital downtime.
- Collaborate with clinical staff to ensure that equipment is properly integrated into medical procedures and meets the needs of the healthcare team.
- Ensure that all equipment was in compliance with health and safety standards by conducting regular audits and inspections.
- Document all repairs, maintenance schedules, and equipment performance reports for future reference by the hospital engineer

### **Key Achievements**

- Developed and implemented an equipment inventory management system, reducing stock discrepancies and improving the efficiency of equipment utilization.
- Reduced maintenance related downtime by introducing a proactive maintenance schedule and performing quick response repairs.
- Assisted in the training of hospital staff on proper equipment usage, improving operational efficiency and reducing errors

**July - Sept 2024: Biomedical Engineer**

**Perlove Medical, China**

### **Duties and Responsibilities:**

- Provided maintenance and servicing for complex medical equipment such as PLX5200, PLX112, and PLX118C Series, ensuring their compliance with manufacturer guidelines.
- Collaborated with research teams to integrate Artificial Intelligence (AI) in biomedical research, improving diagnostic accuracy.
- Performed systematic troubleshooting of medical equipment issues and worked closely with vendors for parts replacement.
- Delivered technical support to healthcare facilities, assisting in equipment installation, setup, and testing of different machines

### **Key Achievements**

- Successfully integrated AI technology into research practices, improving the diagnostic process and efficiency of medical equipment.
- Enhanced operational workflow by reducing system errors, increasing equipment uptime over the project period

### **June 2021 - Jan 2024: Field Biomedical Engineer Joint Medical Stores (JMS), Uganda**

#### **Duties and Responsibilities:**

- Managed the installation and servicing of medical equipment in various healthcare facilities across the region, including diagnostic machines, and life-saving devices.
- Performed detailed diagnostic checks and repairs on malfunctioning equipment, ensuring the quick turnaround of critical medical devices.
- Maintained accurate records of medical equipment maintenance and serviced units to ensure the availability of reliable equipment.
- Trained staff in the correct usage and maintenance of medical equipment to minimize human errors and extend the life of medical devices.
- Collaborated with the purchasing department to ensure that medical devices met all required technical specifications.
- Supported the management of supply chains to ensure timely delivery and availability of medical parts and equipment.

### **Key Achievements**

- Enhanced operational efficiency by standardizing maintenance procedures
- Spearheaded a project to overhaul the inventory tracking system, improving equipment tracking and ensuring zero stock-outs.
- Increased the life span of critical equipment through regular calibration and maintenance.

### **May 2021 - Jan 2024: Biomedical Engineer Ruharo Mission Hospital**

#### **Duties and Responsibilities**

- Installed and maintained specialized medical eye equipment, such as fundus cameras and retinal lasers, ensuring they were ready for use during medical procedures.
- Provided ongoing technical support to clinical staff in the use and maintenance of eye care equipment.
- Conducted quality control and performance tests on medical devices to ensure accuracy and reliability during patient care.
- Maintained accurate records of repairs, calibrations, and servicing to ensure compliance with hospital standards.
- Worked with the procurement team to ensure the proper selection and purchase of replacement parts and devices.

## Key Achievements

- Reduced the rate of equipment failure during surgeries by implementing a more rigorous maintenance and calibration schedule.
- Improved patient care by providing real-time troubleshooting support, leading to a decrease in equipment-related delays.

## Oct 2021- May 2022: Biomedical Engineer and Oxygen Plant Operator

Holy Innocents Children's Hospital, Mbarara, Uganda

### Duties and Responsibilities

- Oversaw the installation and maintenance of the oxygen plant, ensuring a steady supply of medical-grade oxygen for the hospital.
- Performed routine checks on oxygen delivery systems, identifying and addressing potential issues before they affected patient care.
- Managed the cleaning and upkeep of oxygen distribution systems and oxygen cylinders ensuring they met all relevant health and safety standards.
- Worked closely with hospital staff to ensure that the oxygen plant was in continuous operation, especially during critical medical procedures.

### Key Achievements:

- Improved oxygen plant efficiency through better system integration and maintenance
- Spearheaded the introduction of automated monitoring systems for the oxygen plant, which reduced human error and improved supply accuracy.
- Played a key role in ensuring the continuity of oxygen supply, which contributed to an improved survival rate for critically ill Neonates.

## LANGUAGE PROFICIENCY

Language	Proficiency	
English	<div><div></div></div>	Fluent
Luganda	<div><div></div></div>	Fluent
Kiswahili	<div><div></div></div>	Basic
Kinyarwanda	<div><div></div></div>	Fluent
Runyankore	<div><div></div></div>	Fluent

## PROFESSIONAL REFERENCES

Full Name	Current Address	Designation	Phone Number   Email Address
Eng. Dr. Johnes Obungoloch [Ph.D.]	Mbarara University of Science and Technology	Senior Lecturer	Mobile: +256775646496 Email: jobungoloch@must.ac.ug
Taremwa Elvis	Joint Medical Stores	Biomedical Engineer	Mobile: +257779658347 Email: taricanes@gmail.com
Rev. Fr. Dr. Severinus Ndugwa	Mbarara Archdiocese	Vicar General	Mobile: +256787689915

## DECLARATION

I hereby declare that the statements made above are true and complete to the best of my knowledge. I understand that any misrepresentation or material omission made may render my candidature null and void or lead to termination of my employment at any time my Employer may deem it fit.

### **GUMISIRIZA Phillip**

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