



**PROJECT: MEDTRUST PHARMACY MANAGEMENT SYSTEM**

**NAME: BETT EMMANUEL KIPYEGON**

**REG NO: 20/03035**

**SUPERVISOR: GLADYS MANGE**

**COURSE: BACHELOR IN BUSINESS INFORMATION TECHNOLOGY (BBIT)**

**UNIT CODE: BBIT 04105**

**UNIT: FINAL YEAR PROJECT I**

**FACULTY: SCHOOL OF TECHNOLOGY (SOT)**

**EMAIL: [2003035@students.kcau.ac.ke](mailto:2003035@students.kcau.ac.ke)**

### **Problem Statement**

The current state of medical supply management within healthcare facilities and pharmacies is characterized by inefficiencies and waste due to inadequate tracking, ordering, and utilization of medical supplies. Some of the challenges faced by pharmacies in managing their operations include;

- **Inventory management:** Pharmacies need to maintain an accurate and up-to-date inventory of their medications, supplies, and equipment. This can be a complex task, especially for larger pharmacies with a wide range of products.
- **Data management:** Pharmacies need to collect and manage a large amount of data, including patient records, prescription information, and inventory data. This data can be used to improve the efficiency and effectiveness of pharmacy operations, but it can also be challenging to manage effectively.
- **Lack of Traceability:** The lack of a comprehensive tracking system makes it challenging to trace the usage and distribution of medical supplies. This can result in difficulties identifying the source of potential contamination or defects.
- **Manual Procurement Processes:** Many healthcare facilities rely on manual methods for ordering medical supplies, which are time-consuming and prone to errors. This can lead to delays in replenishing essential items and increased administrative overhead.

### **Proposed Solution**

For my project, I propose the development of a web-based pharmacy management system. The system will contain authentication for users who want to buy the medicines and products from the website.

The admin can handle the products and medicine (update, search and delete). Every user can access the tracking status and the ordered details as well. The system will streamline inventory management and traceability of products sold to various pharmacies hence improving the healthcare ecosystem.

