**DATABASE GROUP WORK.**

Title: Stock management.

This project is meant to manage medicine stock of the hospital record of the supply, purchase and usage of medicine based on the quantity. The hospital can order medicines from certified suppliers, receive and use them to treat patients, record the quantity supply to restock and reorder the medicine.

**Problem solved**

Tracking of stock usage for easy restocking of medicines ensuring the hospital doesn’t run out of medicines. As the system updates the quantity of medicines available when restocked and used that alarms the manager on medicine shortage.

**How the problem is solved.**

Doctors access medicines for patients’ treatments updating the quantity of medicines available.

The manager views the stock updates, purchases the medicines in shortage. The purchase is marked complete or pending, a complete purchase is the one that is fully purchased and received from suppliers and pending is the order is fully paid for but not received from the supplier yet.

The system also stores suppliers’ details that make it easy to contact them for restock of the medicines based on what medicine they supply.

The system store information of the medicine that includes quantity, date supplied and expiry date to ensure there is low waste of medicine by tracking expiry dates. It stores the name and ID of the medicine with its supplier’s name.

**How it aligns with the SDG you are focusing on and its relevance in the Kenyan context.**

Sustainable Development Goal 3 of Kenya is to ensure access to safe, effective, quality and affordable essential medicines and vaccines for all.

The medicine stock management project aligns with Kenyan’s SDG 3 medicine and health goal as it ensures access to safe, effective and quality medicine to all as described below:

1. The medicine supplied is high quality and safe as it is supplied by certified suppliers and the expiry date ensures it is not used past the expiry date.
2. Medicine is available for all as the different medicines are restored to cure and treat various diseases, making them available for all.

**Scope and objectives.**

The scope of our project is a hospital.

Objectives:

1. Tracking the quantity of medicines available.
2. Reduce medicine wastage by storing expiry dates of medicines.
3. Ease access to medicine restocks from suppliers.

**Functionalities and features that the database should support.**

1. Tracking updates of medicine availability.

Features:

* Quantity change of medicines by adding and minimizing the quantity.
* Record dates the medicine was brought in and taken out for usage.

1. Stores purchases and supply information.

* Record ID of purchases and supplies.

1. Stores medicine details.

* Record ID, name, price and expiry date of medicines.

**Stakeholders.**

1. Managers

Role: Place orders for medicines restock from suppliers.

The database will make it easy for managers to check and update the stock, purchase and easily access the suppliers using the stored suppliers, stock movement and purchases records.

Thus, improve the restock cycle and medicine availability.

1. Employees-Doctors and nurses.

Role: Update medicine stock by taking medicine for usage by reducing the quantity available.

The database will allow doctors to easily access medicine stock for usage and automatically update quantity available in stock.

1. Supplier

Role: Supply purchased medicine to the hospital.

The database will allow suppliers to access their sales and effectively deliver medicine to the hospital.