**MEDICAL STORE INVENTORY MANAGEMENT SYSTEM**

INTRODUCTION

The paperless office is a thing of the past. Every transaction is completed with the aid of computers. Database applications are necessary in our daily lives. This paper goes into great detail about the "MEDICAL STORE INVENTORY SYSTEM." It helps users obtain a better grasp of how the system works. The major purpose of this research is to assist you better understand and maintain the medical store's system. This project report includes sections such as system specification, system study, system design, detailed design, and so on, and will be a useful resource for people looking for information about the aforementioned system.

FUNCTIONAL REQUIREMENTS

* The ability to add additional medicines must be available to the admin.
* The signup time and date must be double-checked by the admin.
* The user must be able to enter all the inventory information.
* Editing drug details must be possible for the admin.
* The ability to delete a drug must be available to the admin.
* The admin must be able to see information about the drug.
* The admin should be able to sort the names of medicines and their prices.
* The admin must be able to search for medicine by its name.
* The admin must be able to see the data of everyday customers.
* Customer data must be able to be entered by the user.
* Customer data must be able to be deleted by the user.
* Customer data must be editable by the user.
* The admin must be able to see daily stock information.
* Customer bills must be able to be printed by the user.
* The admin must be able to access the annual sales report.
* The admin must be able to enter drug pricing.
* Customer bills must be viewable by the admin.
* The software password must be changeable by the admin.
* Logout must be possible for the admin.
* The admin must be able to see when they logged in and out.

BACKGROUND LITERATURE

**What is an Inventory Management system and why is it important?**

**Assessing the role an Inventory Management System portrays in medical stores**

Inventory management in a medical store is required to protect medicines from damage, loss, theft, or wastage, as well as to ensure the supply of essential medicines for saving patients' lives in a hospital. The management of the inventory of healthcare facilities is a critical process that can help minimize costs and improve patient care. On the one hand, it is important to ensure that drugs are properly procured and stored, while on the other hand, it is also important to manage the costs. To minimize the risk of over-buying, healthcare facilities should implement decision-aid strategies that help them manage their drug purchases. These include planning for the purchase of drugs, ensuring adequate warehouse capacity, and meeting demand.

**Methods of Inventory Management**

In pharmacy or medical stores, three approaches are utilized to manage inventory: the perpetual method, the periodic method, and the visible method.

A perpetual inventory system is a procedure in which a medical store chain employs technology to monitor all of the prescription pharmaceuticals that the chain and all of its locations keep on hand at all times. The technique provides continual visibility of the amount of money tied up by the principal asset that controls the entire economic performance of the business or organization.

In contrast to the perpetual inventory system, the periodic technique requires the pharmacist to count the stock and compare it to a list of the inventory's minimum intended level on a regular basis at specified intervals of time. When the quantities fall below a certain threshold, the products are ordered. Periodic inventory techniques are not tracked each time a sale or purchase is performed. Inventory is checked at the start and end of each accounting period.

The visual technique requires the pharmacist (or other qualified employees) to physically verify the inventory on hand with a list of the products that should be supplied. When the stock number goes below the desired specified amount, the pharmacist places a purchase order.

**Functions of an Inventory Management System**

**Factors Affecting Inventory Management**

**Functions of Information technology when dealing with Inventory Management**

Information Technology is a generation that incorporates the use of computers, software, and network equipment to aid in the processing and communication of data.