

EGB1122 – PYTHON PROGRAMMING PROJECT REVIEW-1

**Department of Electrical & Electronics Engineering
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Title of the Project

► PHARMACY MANAGEMENT SYSTEM

Abstract

- ▶ Pharmacy Management System application to help pharmacist to manage pharmacy in the systematic ways.
- ▶ Pharmacy Management System can make the work easier by giving the details of medicine when its name is entered.
- ▶ A computer gives the details of the medicine like rate of medicine, and expiry date of the medicine. It becomes very difficult in big medical stores to handle the details of all the medicines manually.
- ▶ By using pharmacy management system We can maintain the records of all the medicines.

Abstract with CO/PO Mapping

Abstract	CO	POs	PSO
A system to manage pharmacy operations like stock, billing, and prescriptions efficiently and accurately.	The system makes pharmacy work faster, easier, and more accurate	To create a simple, automated system for smooth pharmacy operations	Manual processes cause errors and delays in pharmacy management

Introduction

- ▶ A Pharmacy Management System is a software solution designed to automate and manage the day-to-day operations of a pharmacy. It helps in maintaining medicine stock, processing sales, handling prescriptions, and generating reports, making pharmacy operations more efficient, accurate, and reliable.

Python Programming - Concepts Used

Database Management :

To store and manage data like medicine info, sales, and customer records

Inventory control:

To track stock levels, expiry dates, and restocking

Billing system:

To generate invoices and handle payments

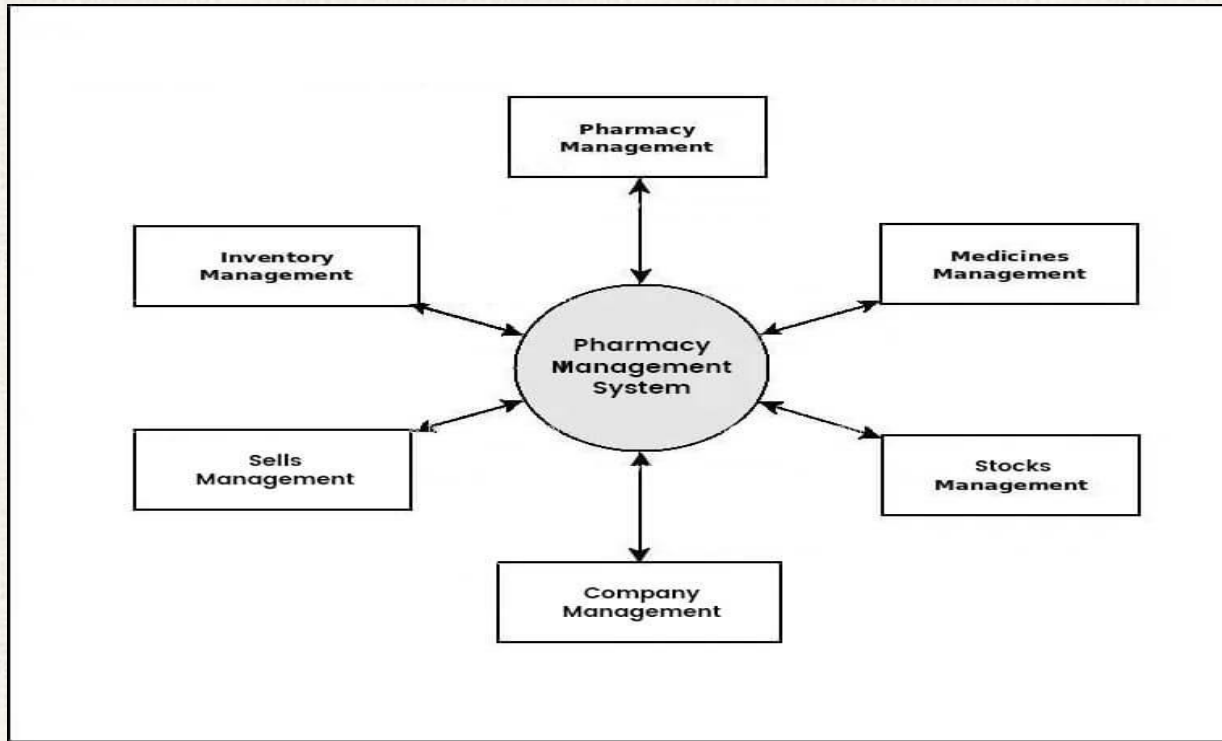
Search & Filter functions:

For quick lookup of medicines and records

Reporting:

To generate daily, weekly, or monthly sales and stocks reports

Proposed Architecture



Proposed Architecture - Description

- ▶ Users like pharmacists, doctors, and staff use this to log in, manage inventory, process prescriptions, and generate bills
- ▶ Ensures that only authorized users can access specific features based on their roles.
- ▶ It controls all operations like managing medicines, sales, prescriptions, and billing.
- ▶ Keeps track of stock, expiry dates, and orders for medicines.
- ▶ Automatically calculates bills, applies discounts, and generates receipts.
- ▶ Stores all the important data securely — including user data, medicine details, transaction history, and prescriptions.

List of Modules

User Management system

Inventory Management system

Prescription Management system

Supplier Management System

Backup & Recovery Module

Description of Modules

- **1. User Management Module:**
 - ▶ Handles user roles (Admin, Pharmacist, Doctor, Staff)
 - ▶ Login/logout and access control.
- **2. Inventory Management Module:**
 - ▶ Tracks medicine stock
 - ▶ Monitors expiry dates.
- **3. Prescription Management Module:**
 - ▶ Stores and verifies doctor prescriptions
 - ▶ Links prescribed medicines with inventory.
- **4. Supplier Management Module:**
 - ▶ Stores supplier details
 - ▶ Manages orders and deliveries from supplier
- **5. Backup & Recovery Module:**
 - ▶ Backs up important data
 - ▶ Helps restore system in case of failure

Thank You

ANY QUERIES???

