

# Pharmacy Management System

- Efficient Drug Inventory and Sales Management
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# Introduction

- A pharmacy management system helps automate medicine inventory, billing, and prescriptions.
- Used in medical stores, hospitals, and clinics.
- Reduces human error and enhances efficiency.

# Objectives

- • Maintain accurate stock of medicines
- • Automate billing and sales
- • Manage customer and supplier information
- • Generate reports and alerts for stock expiry

# Key Features

- • Medicine Inventory Management
- • Billing & Invoicing
- • Customer Records
- • Supplier Management
- • Prescription Handling
- • Expiry Date Tracking
- • Sales Reports & Analytics

# System Modules

- Admin Module – Manage users, settings, data backups
- Inventory Module – Track stock, expiry, batch numbers
- Sales Module – Handles billing, discounts, taxes
- Purchase Module – Tracks restocking from suppliers
- Reports Module – Sales, profit, low-stock alerts

# Benefits

- • Real-time inventory control
- • Faster billing and customer service
- • Reduces manual errors
- • Better decision-making through analytics
- • Regulatory compliance with proper records

# Technologies Used

- Frontend: HTML/CSS, React, or Angular
- Backend: PHP / Python / Java
- Database: MySQL / PostgreSQL
- Optional: Barcode scanner, Cloud sync

# Challenges

- • Initial setup and cost
- • Regular system updates
- • Staff training
- • Data security and backup



# Future Enhancements

- • Mobile app for remote access
- • AI for medicine demand prediction
- • Integration with health records and e-prescriptions
- • Automatic alerts for low stock and expiries

# Conclusion

- • A pharmacy management system increases operational efficiency
- • Saves time, reduces waste, and boosts profitability
- • Essential for modern, digital healthcare environments

Thank You