Medication Inventory Management System
Group 9

Mission Statement

To ensure safe, efficient, and accurate medication stock management within healthcare facilities by providing real-time tracking, automated expiry alerts, and optimized usage workflows. Our system aims to reduce medication waste, enhance patient safety, and streamline inventory processes, enabling healthcare providers to focus on delivering high-quality care.

Mission Objectives:

1. Ensure Real-Time Accuracy:
   - Maintain up-to-date records of medication stock levels, including batch numbers, quantities, and expiry dates.
2. Minimize Medication Waste:
   - Implement usage tracking to prioritize the use of medications with the earliest expiry dates, reducing the risk of wastage due to expiration.
3. Enhance Patient Safety:
   - Provide automated alerts for expiring or expired medications, ensuring that only safe, effective drugs are dispensed to patients.
4. Optimize Reordering Processes:
   - Automate reordering of medications when stock falls below predefined thresholds, reducing shortages and ensuring continuous availability of critical drugs.
5. Compliance with Regulations:
   - Ensure compliance with healthcare regulations by maintaining detailed records of medication inventory, including expiry dates, storage conditions, and usage history.
6. Cost Analysis:
   - Provide insights into inventory costs, including purchase trends, storage costs, and waste-related losses, enabling better budgeting and financial planning.