Software Requirements Specification (SRS)

# Pharmacy Management System

# 1. Introduction

• Purpose: To automate and streamline the daily operations of a pharmacy.

• Scope: The system manages inventory, prescriptions, customer details, sales, and stock updates.

• Overview: A web-based application to reduce manual errors, provide real-time stock tracking, and enhance productivity.

# 2. General Description

• Functions: Manage medicines, customers, doctors, inventory, sales, and suppliers.

• User Community: Admin and pharmacists who operate and monitor the system.

# 3. Functional Requirements

• Possible Outcomes: Display stock, alert for low/expired medicines, record prescriptions.

• Ranked Order: Login → Dashboard → Inventory/Sales/Prescription → Reports

• Input-Output Relationship: Input (medicine details, prescriptions, sales); Output (invoice, alerts, reports).

# 4. User Interface Requirements

• Software Interfaces: Browser-based UI with authentication.

• Examples: Inventory table, prescription form, login page.

# 5. Performance Requirements

• Response Time: Must load each page within 2 seconds.

• Throughput: Should handle 50+ concurrent transactions.

• Scalability: Easily extendable to cloud-based hosting in the future.

# 6. Non-Functional Attributes

• Usability: Intuitive UI, minimal training needed.

• Reliability: Data should be backed up daily.

• Security: Password encryption, role-based access control.

# 7. Schedule and Budget

• Timeline: 4 weeks (Requirement - 1 week, Design - 1 week, Development - 1.5 weeks, Testing - 0.5 week)

• Cost Estimate: ₹5,000 for hosting and tools (if scaled online).

# 8. Appendices

• Supplementary Information: Sample SQL tables, UI screenshots.

• Glossary:

- CRUD: Create, Read, Update, Delete  
 - PMS: Pharmacy Management System  
 - KPI: Key Performance Indicator