5) Stock Maintenance System :-

1. Problem Statement :

The current system is manual & prone to errors, leading to inaccurate inventory tracking, stock shortages & operational inefficiencies. Automation is important to streamline stock management processes, minimum errors & improve overall operational effectiveness.

2. Introduction :

2.1 Purpose of this document :

The purpose of this document is to define the specification & requirements for the development of a stock maintenance system.

2.2 Scope of this document :

The document describes the overall working & objectives of the stock maintenance system. It outlines the values it will provide to user & stakeholders.

2.3 Overview

It is designed to facilitate the management of stock inventory for businesses. It provides functionalities for stock entry, stock tracking, stock movement & reporting.

3. General Discription:
- Stock entry
- Stock Tracking
- Stock movement
- Reporting

4. Functional Requirements:

- Stock Entry
- Stock tracking
- Stock movement
- Reporting

5. Interface Requirement:
- User Interface:
Intuitive & user friendly interface for each navigation
Clear display of stock information
- System Interface:
Intigration with barcode scanners for stock entry.

6. Performance Requirements:

- Response time
Quick response time for stock related quires.
- Scalability:
Ability to handle a large volume.

7. Design Constraints:

- Platform compatibility
Compatible with various operating system.
- hardware limitations:
Optimized to both desktop & mobile.

8. Non-functional attributes:

- security: Implementation of acess controls, encryption mechanisms to protect.
- Reliability: Reliable backup & recovery.
- Performance: efficient performance to handle concurrent users.

9. Preliminary Schedule & Budget:

It estimates to take 4 months with a of budget of $40,000. The schedule includes phases for requirements gathering, design implementation, testing & deployment.