

IV Stock Maintenance System

1) Introduction

1.1 Purpose of Document:

- To describe the requirements involved in developing stock maintenance system.

1.2 Scope of the Document:

- Describes the overall working and objectives of the SMS. This system will allow admin to manage and update stock.

1.3 Overview:

- The SMS is designed to facilitate the management of stock inventory for business.
- It provides functionalities for stock entry, stock tracking, stock movement, reporting ensuring timely management of stock levels.

2) General Description:

- The SMS facilitates the following functions: Stock entry, stock tracking, movements, reporting.

3) Functional Requirements:

- Internet oriented, using an online server system shall save product details, supplier details, sales details, purchase details, customer login, sales process. Allows manager to view and print product details, customer and supplier details.

4) Interface Requirements

System interfaces: Barcode Scanners, Stock Entry and Tracking Compatibility with existing systems.

5) Performance Requirements

Response Time: Quick response for stock related queries, minimal downtime.

Scalability: Handles large volume of stock items and transactions.

6) Design Constraints

- Platform compatibility with versions of OS, web browsers compliance with industry standards for storage security.
- Hardware limitations, optimization for desktop devices.

7) Non Functional Attributes

Security: Access controls and encryption.

Reliability: Reliable backup, recovery performance. Handles concurrent users and large datasets.

8) Preliminary Schedule and Budget

Estimated time of development: 4 months
Budget: 400000 ₹