

IV. Stock Maintenance System

1. Introduction

1.1 Purpose of the 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 stocks

Outlines the values provided to users and stakeholders, management of stock inventory

1.3 Overview

The system 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 System facilitates the following functions like stock entry, stock trading, stock tracking, stock movements and reporting

3. Functional Requirements

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

4. Interface Requirements

- System interfaces: Barcode scanners, stock entry and tracking compatibility with exit systems.

5. Performance Requirements

- Response time: Quick Response for stock related queries, minimal downtime.
- Scalability as to handle large volume of stock items to do transactions.

6. Design Constraints

- Platform compatibility with versions OS, web browsers compliance with industry standards for storage security.
- Hardware limitations: optimizations for desktop and mobile devices.

7. Non functional Attributes

- Security: Access control and encryption.
- Reliability: Reliable backup, recovery.
- Performance: Handle concurrent users and large Datasets.

8. Preliminary Budget

- Estimated time of development: 4 months
- Estimated Budget: ₹4,00,000