assurance.

(4) Stock Maintenance Systems

→ Problem statement:
Current stock maintenance system is manual and prone to errors; implementing an automated stock maintenance system will improve effectiveness.

1.1 Introduction (Purpose)

This document serves as a guide outlining the requirements and specification for development of a stock management system (SMS)

1.2 Scope of this document

The document defines the overall working & main objectives of SMS

1.3 Overview

The SMS is a software solution designed to automate and streamline inventory management

2. General description

- objective of user:
  - efficiently manage inventory, track stock levels.
- features and benefits -
  stock tracking, inventory replenishment, analysis, etc.

3. Functional Requirements

- stock tracking
- inventory replenishment
- reporting and analysis.

4. Interface Requirements

- user interface,
- database interface;

5. Performance requirements

- Performance time → prompt response to user queries and transaction.
- Scalability → ability to handle large volumes of inventory transactions
- Data ~~Integ~~ Integrity * → ensuring accuracy of data

6. Design constraints

- software compatibility → ensuring combatibility
- data security: implementation of robust & secure

7. Non-functional attribute:

security, portability, Reliability.

8. * Preliminary schedule and budget

Schedule goals: Design architecture, development, testing, etc.

The approx. time will be 6 months & budget of ₹2,00,000