## 4) Stock Maintainance

### Problem Statment

→ Automates Stock management for warehouses, keeping track of inventory levels, reorders and Stock audits.

→ Scope

Sms will allow warehouse managers to track Stock levels, manages manage reorders, Stocks. audit.

### Functional Requirements

i) Stock Tracking : Tracks Stock levels of all products in the inventory

(ii) Reordering : Automatically generates reorder notifications when Stock reaches predefined levels.

(iii) Stock Audit : Allows periodic Stock audits and actual Stock levels.

(iv) Reporting : Generates reports on Stock levels, reorder history and Stock movements

### Design Constraints

• Cloud Support
• Document Representation

Non- Functional Requirements

i) Scalability : The system must scale as more products are
added to the inventory.

ii) Reliability : The system must always display accurate
stock levels

iii) Usability : Easy navigation for the warehouse staff
and managers.

Interface Requirements

(i) User Interface
(ii) API integration
(iii) Database interface

Preliminary Schedule & budget

(i) Time, within 6 months
(ii) Budget within Rs 100000 in LOC of FP.

(iii) Requirement Analysis : 2-3 weeks
(iv) Development phase : 8-10 weeks
(v) Testing - 3-4 weeks

Budget :
(i) Requirements : ₹ 8000
(ii) Design and Architecture : ₹ 10000
(iii) Development : ₹ 45000
(iv) Testing : ₹ 5000
(v) Deployment : ₹ 25000