Development - ₹ 80,000
Deployment - ₹ 20,000
Testing - ₹ 50,000
Miscellaneous - ₹ 15,000

⇒ **Stock Maintenance System (SMS)**

1 Introduction

1.1 Purpose of this Document

This document specifies the requirements for a Stock Maintenance System, aimed at automating the process of managing stock levels in a business.

1.2 Scope of this Document

The SMS will be designed to track inventory levels, manage orders, & alert for overstocking. It will minimize manual inventory tracking & ensure stock levels are optimal.

1.3 Overview

The system will automate stock tracking for warehouse or retail environments, ensuring that inventory levels are maintained. It will provide real-time stock updates, reorder alerts & inventory reports.

2 General Description

This system is targeted at inventory managers & warehouse staff. Users can check current stock levels, place orders for overstocking & generate reports. The system reduces the risk of overstocking or stockouts, improving overall operational efficiency.

3. Functional Requirements
- Stock tracking for multiple items with real time updates
- Redorder alerts when stock level falls below predefined threshold
- user management for inventory staff & admins
- Integration with accounting & sale systems

4. Interface Requirements
- Web based interface for stock managers
- API integration with external sale platforms
- Real time notifications through email

5. Performance Requirements
- System response should be within 1 second for stock queries
- Handle upto 50 concurrent users & 500,000 stock items
- Daily processing of upto 10,000 transactions.

6. Design Constraints
- System must use MYSQL or postgreSQL for database
- compatible with both cloud & on-premise servers
- Must provide a mobile version for easy access on the go.

7. Non-functional Attributes
- Must ensure data integrity & backup regularly
- High availability with a minimum of 99.9% uptime
- Secure access control for different user roles

Q. Preliminary Schedule & budget

→ The system will be developed in 3 months.

Design - ₹ 15000

Development - ₹ 60000

Repayment - ₹ 20000

Testing - ₹ 10,000