

iv) Stock management system

Problem Statement: Stock management system must be capable of holding accurate information about resource movement. Real-time information updation is necessary.

1. Introduction

1.1 Purpose of document: This document contains information about functionalities and design of system.

1.2 Scope of document: This document acts as a guide for the user on usage of system.

1.3 Overview: The system holds accurate information about existing stock and spent stock. Real-time updation is necessary.

2. General description:

The system is capable of maintaining accurate information about expenditure and ~~spending~~ buying of stock. Record of usage and buying must be meticulously maintained. Real-time updation is key.

3. Functional requirements:

- (i) Accurate expenditure record.
- (ii) Accurate buying record.
- (iii) Displaying total transactions.
- (iv) Updates on resources with low stock.

4. Interface requirements:

- (i) Display of previous transactions
- (ii) Currently available stock
- (iii) Location where required resource is present
- (iv) Any existing orders on the resource.

5. Performance:

- (i) Accurate record of available resources.
- (ii) Real-time updation of resources.
- (iii) Resistant to misinformation and ability to quickly change.

6. Design constraints:

- (i) Quick search of resource
- (ii) Accurate record of previous transactions
- (iii) Multi-order handling.

7. Non-functional requirements:

- (i) ~~Alerts on low resource~~ Secure authentication of users.
- (ii) Overview of all resources
- (iii) Reliable records in data

8. Preliminary schedule and budget:

Stages of development include design, implementation, debugging and testing, deployment.