1. Introduction

1.1 Purpose of this downent

This document outlines softward seq for the system. It seems as guide for developers, stakeholders and also end users detailing the system's functionalities performance criticia and design combaints.

1.2 Scope of this document

the document covers objectives, functionalities, expected outrom of stock maintenance system. It includes an estimatedion, developments cost and time required, providing values insights for customers.

1.3 Overview

The system is designed to outomate inventory tracking s managing stock levels. I facilitates order processing. It ensures real-time data accurracy, reduces manual efforts, supports efficient stock management practices.

2. General Description

The system aims to assist users in maintains optimal stocks levels, preventing overstocking or stockouts, were will benefits from autoroated alests detailed inventory seports and user-friendly interface. The proimary users include inventory managers, ware home staff & procurement torns.

- 3. Punctional Requirements
- · Real time inventory tracking and updates.
- . Automated scorder attendents when stock level fall below predefined throubold
- . Detailed separating on stock levels, morder history and stock movements.
- · User authentication and mole based allest controls.
- · Integration with with ERP system for seamles data flow
- . Search and filter capabilities for quick access to stock information.

4. Interface Requisiments

- · A wer-friendly graphical interface for easy varigation and operation.
- · API's for integration with external systems sectional systems
- · Data import export capabilities in standard formats
- · Notification interfaces for email & SMS alests

5. Performance Requirements

- · System should handle upto 10,000 stocks entoises.
- . Real time processing with response time with a see for user actions
- · Minimal memony mage to enouse efficient performance.
- · Ensure Gororo sate should be very (ess.

6. Design Courtsaints

- · The aystern must be compaitable with all devices.
- · MYSQL can be used for database
- · Compliance with industry ofandards for data scensify ey
- · Implementation of Restful APT for external integration.

J. Non-Punctional Autobutes. · Security abouted be provided for data, legins sign up. . Should accessible usa browser & mobile s It should be reliable Town Monte is pulling by . Dersign must be modular for every up doke & charges . It should be scalable , land was her sold when 8. Procliminary schedule and Budget quieta accel to beat Schedule: Requirements Gathering System Derign Davelopments Busels Deployment bonotes etter nottergetin of 2794. Deployment : 2 weeks Total type for completion: 19 weeks. - Requirements documentation - 250000 Budget: - Derign & tools - 2 400000 - Development - Testing - \$50000 Good sate should be very less. Total estimated budget: 2 750000. · The explore must be compained with all devices · MYSQL CON be used for delabore Compliance with industry standards for data occurity as Inglerrentation of exectful are for external integration