SOFTWARE

REQUIREMENTS SPECIFICATION

For

Inventory Management System

TABLE OF CONTENTS:

Introduction

Scope of project

Limitation of project

Tools used

Introduction:

In the dynamic landscape of modern business, efficient and effective management of inventory plays a pivotal role in ensuring smooth operations, customer satisfaction, and financial viability. An Inventory Management System (IMS) serves as the linchpin in this process, providing organizations with the tools and capabilities needed to oversee, track, and optimize their inventory resources.

Scope of Development project:

The scope of the Inventory Management System involves comprehensive control over products, stock levels, and order processes. It includes real-time monitoring of stock, order processing from creation to fulfilment, robust reporting, and analytics for informed decision-making. User authentication ensures data security, while integration with suppliers and other systems streamlines operations. Barcode and RFID support enhance tracking accuracy, and alerts notify users of critical events. Multi-location management, mobile accessibility, and scalability make the system adaptable to various business needs, providing a holistic solution for efficient inventory control and optimization.

Limitations of the project:

Due to the constraints with time, there are certain limitations of this

Project, some of them are highlighted below:

* Does not consist accounting features
* Not suitable for UPI transactions

Tools used:

For the development IMS system a variety of tools and techniques are used. For the development of the system the user requirements has to be written in the understandable form.

The use of different graphical representation of the system process has been implemented in development of system for non technical users to understand the system working process. We used the mostly used Tools and techniques for system development as:

* Eclipse IDE for Java
* MySQL server
* Visual Studio (for designing)