

**Subject:** Object Oriented Software Engineering

**Submitted to:** Sir Jawad Khan

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**Feasibility Report**

**Topic of Project:**

**“Inventory Management System”**

**General Information:**

We are creating inventory management system. The main objective of this project is to manage the detail of customer, supplier, payment, inventory, purchasing. It manages all the information about the customer, receiving, stock, purchasing.

**Project Description:**

**Modules:**

• Product Management  
• Monitor and Categories Products  
• Manage Product Pricing  
• Sales and Stocks Management  
• Monitor Purchasing Transaction  
• Manage Reservation and Orders  
• Revenue and Expenses Management

**Documentation Diagrams (UML):**

* Model Diagram
* Class Diagram
* Interaction Diagram
* Design Diagram
* Use Case Diagram
* Collaboration Diagram

**Programming Language we used:**

* Java

**Data base we used**

* **My SQL DATA BASE**

**Marketing Aspect:**

Our Group has embarked on an ambitious plan to create new software application, Ecommerce Solutions Platinum Ecommerce Solutions--scalable inventory software products. The product will reasonably price for the medium-sized businesses, and still be within the range of entry level e-sellers. Software will receive 90% markup on each unit sold. It is projected that Pursuit Solutions will sell 250 units by Month 3.

### **ROLE OF SALES ANALYSIS IN PROFIT MAXIMIZATION:**

Inventory control is not all about managing stocks and ordering goods. But inventory control combined with efficient analysis tools can be truly effective as it can help us identify the trends in the demand for various products by carrying out various types of analysis. This includes comparative study of sales as well as sales analysis concentrated on a single product. Carrying out such analysis at regular intervals can help the shop manager to decide upon the future reordering strategies and taking some major decisions regarding purchase of goods.

### **ADVANTAGES OF INVENTORY CONTROL:**

1. Provides protection against fluctuations in demand and supply by monitoring the trends in demand and supply.

2. Ensures a better service to the customers by avoiding the out of stock situations by keeping a check on the minimum stock levels.

3. Helps to reduce risk of loss on account of obsolescence or deterioration of items.

4. Helps to make effective utilization of working capital by avoiding its blockage in excess inventory.

5. Ensures to maintain a check against loss of materials through carelessness or pilferage.

**Basic Functions of Inventory Management System:**

1. Stock Storage
2. Sale Management
3. Stock Purchase payment
4. Sales Report
5. Available Stock Report
6. Inventory Report
7. Serial Number Tracking

**Stake Holders in Inventory Management System:**

Following are the stakeholders that get benefit form the inventory management system:

* Owners and shareholders
* Top Management
* Warehouse manager
* Shipper
* Inventory analyst
* Financial analyst
* Shippers