

# PROJECT PROPOSAL

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## INVENTORY MANAGEMENT SYSTEM

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## Inventory Management System

An Inventory Management System is a software, designed to help businesses track and manage inventories . The aim of this software is to optimize flow of inventory, manage sales of products, their quantities or items in stock.

An inventory Management System can be integrated into many different systems such as a point-of-sale system, warehouse system and many more.



## Implementation:

### Software & Hardware Needs:

\*) Developing End:

**Computer:** The purpose of this computer is to develop the software.

**Programming language:** C/C++ is fast secure and reliable, produces efficient program and can be compiled on a variety of computer platform.

**Library Functions:** C Header files, for e.g (<stdio.h> for standard input and output functions).

**IDE:** The code editor that we will use is Dev-C++/Visual Studio Code.

**User Interface Designing:** We will use windows.h header file of C language.

**\*) Client End:**

**Computer:** The purpose of this **Computer** is to provide/update information about the current products available.

### **Challenges for Implementation:**

- Lack of a consistent and systematic approach in maintaining the inventory/stock.
- Minimal Data available to import into IMS.
- Poor competency level of staff in relation to computer systems.

### **Benefits of Inventory Management System:**

- Easier Tracking of the Information
- Eliminate the Probabilities of Errors
- Efficient Financial Management
- Assurance of Quality
- Reinforced Data Security
- Enhanced Productivity

### **Prominent Features of IMS:**

- User Login/Registration Process for Better Security
- Displaying Products
- Prompts to Alert User

### **Conclusion:**

In conclusion, an inventory management system (IMS) is a critical tool for any business that wishes to optimize the flow of inventory. The proposed IMS for this project will provide real-time visibility into inventory levels across multiple locations, allow for forecasting demand and replenishing stock. We are confident that this project will bring significant value to the business.