

# Smart Inventory Management System

- *Track Stock*
- *Predict Demand*
- *Manage Products*

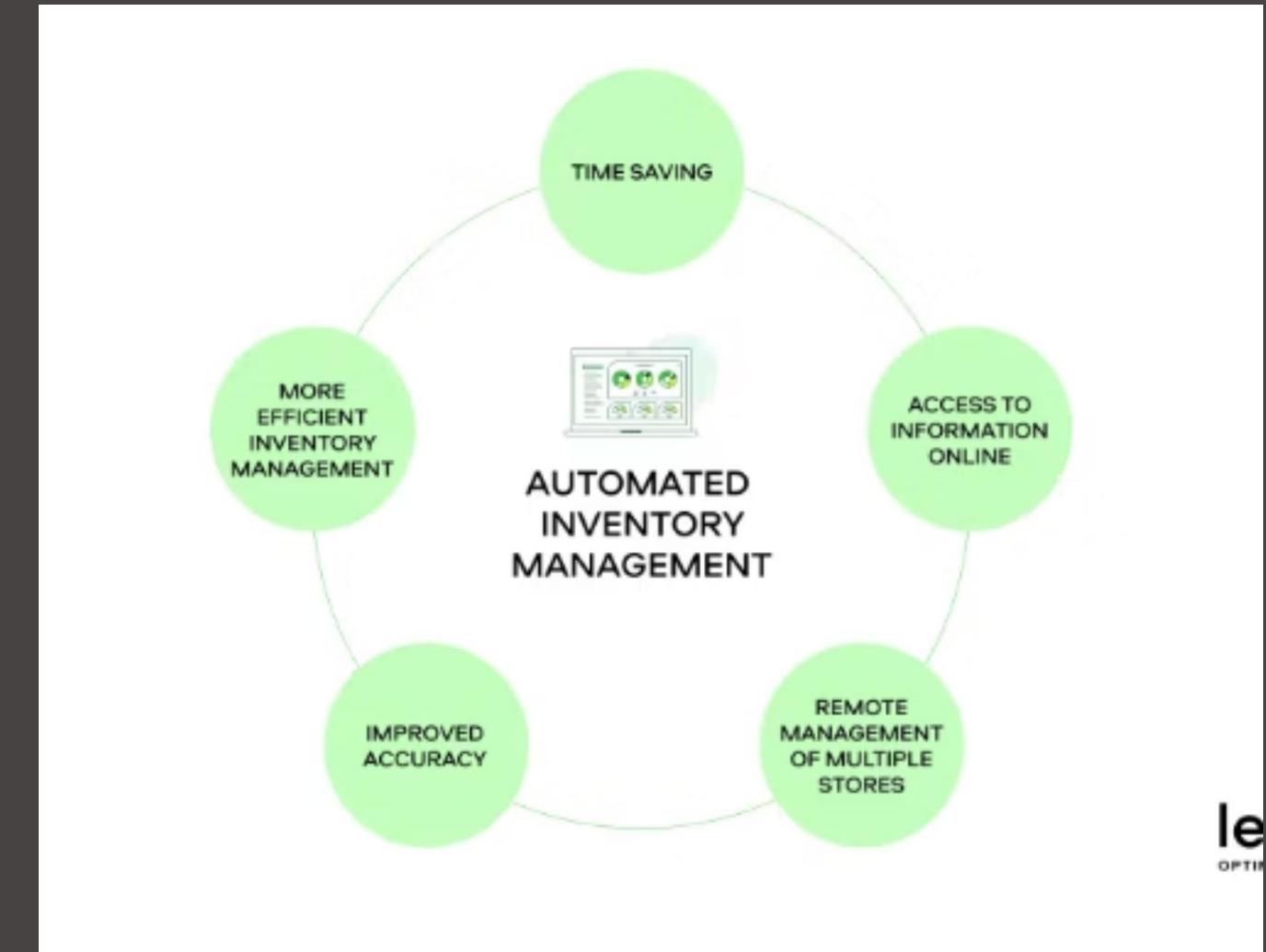
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# Introduction

Smart Inventory is a **modern web-based stock management system** designed to streamline operations for shops, stores, and small businesses. This intuitive platform simplifies the complexities of inventory management.

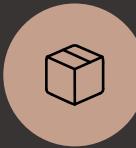
Our system offers comprehensive tools to:

- Monitor product quantities in real-time
- Receive automatic low stock alerts
- Track sales patterns and trends
- Organize products by category
- Leverage AI-based demand prediction



Built with speed and responsiveness in mind, Smart Inventory features a **sleek, modern UI** with both dark and light modes to suit your working environment and personal preferences.

# Key Features



## Product Management

Add, update, delete, and search products instantly with an intuitive interface designed for speed.



## Smart Search

Global search bar filters items in real-time, helping you find exactly what you need in seconds.



## Low Stock Alerts

Automatic notifications highlight items below minimum quantity thresholds to prevent stockouts.

## Sales Overview Dashboard

Comprehensive dashboard displays total products, low stock items, and predicted order volumes at a glance.

## Dark / Light Theme Toggle

Modern UI with smooth animations adapts to your preference, reducing eye strain during long work sessions.

# Why Smart Inventory?

## Traditional Stock Management

- Time-consuming manual processes
- Prone to human error and miscounts
- Difficult to update daily inventory
- No prediction or forecasting capability
- Limited accessibility across devices

## Smart Inventory Solution

- **Saves valuable time** with automated tracking
- **Reduces errors** through digital accuracy
- **Works automatically** with real-time updates
- **Easy for everyone** – no technical expertise required
- **Accessible anywhere** on phone, tablet, or laptop

Designed specifically for shopkeepers and small business owners, Smart Inventory transforms inventory management from a daily burden into a streamlined, efficient process.

# Technology Stack

01

## Frontend Technologies

**HTML5** provides the structural foundation for semantic, accessible web pages.

**CSS3** powers the modern UI with animations, gradients, and responsive design elements.

**JavaScript** handles DOM manipulation, event handling, theme toggling, and dynamic filtering.

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## Data Storage

**Browser LocalStorage** enables persistent data storage for the demo version, allowing seamless user experience without backend infrastructure.

# Features

## Current Features:

### **Product Search Bar:**

Easily search any product by name..

### **Low Stock Alert Highlighting**

If quantity is less than the limit, the product automatically becomes red.

### **Clean & Modern UI**

Sidebar navigation, dashboard layout, and responsive design.

### **Product Details Display**

Shows name, quantity, category, and price in card/table format.

# Workflow of the System (Frontend)

## 1 Open Dashboard

User enters the app and sees all products.

## 2 Search Product

Type in the search bar → instant filtering happens.

## 3 View Product Details

All items are shown with quantity & stock level.

## 4 Low Stock Check

Javascript automatically highlights items with low quantity.

## 5 Add More Products (Future Feature)

Button will open a form to add new product → stored in localStorage.

## 6 User Updates Stock Manually

Increase / decrease stock from UI.

# Future Scope :

## Conclusion

Smart Inventory System (Frontend Version):

- ✓ Simple & fast UI
- ✓ Search feature working
- ✓ Highlights low stock items
- ✓ Easy to navigate with sidebar
- ✓ Perfect base for future expansion

Thankyou