AI-Powered Supply Chain Management System

Project Overview

This project aims to optimize and automate supply chain workflows using Artificial Intelligence, IoT,and ERP integration. It focuses on real-time logistics tracking, predictive inventory management,and secure data transmission across global networks.

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Abstract

An AI-driven system that automates supply chain management with real-time data tracking,predictive analytics, and seamless ERP/IoT integration.

Project Demonstration

- System Walkthrough
- AI Forecasting
- IoT Integration
- ERP Sync
- Security
- Performance

Outcome: Validated efficiency, scalability, and security of the system.
Documentation
Includes architecture diagrams, code documentation, user/admin guides, and testing reports.

Outcome: Ready for handover with comprehensive manuals.
Feedback and Final AdjustmentsOutcome: Enhanced UX and stabilityFinal Report
Covers summary, phase-wise breakdown, challenges and solutions.

Outcome: Enterprise-ready, scalable framework.
Project Handover & Future Scope
Future integration with ERP, mobile apps, AI fraud detection, and blockchain.

Outcome: Ready for deployment or academic scaling.

Source CodeWorking

--- Supply Chain Management ---1. Add Product
2. Add Supplier
3. Place Order
4. Update Order Status
5. Show Products
6. Show Suppliers
7. Show Orders
8. Exit

Output Sample

--- Supply Chain Management —Add Product
2. Add Supplier
3. Place Order
4. Update Order Status5. Show Products
6. Show Suppliers
7. Show Orders
8. Exit
Enter your choice: 5