

**COLLEGE CODE : 3105**

**COLLEGE NAME : DHANALAKSHMI SRINIVASAN COLLEGE OF ENGINEERING AND TECHNOLOGY**

**DEPARTMENT : B.TECH ( ARTIFICIAL INTELLIGENCE AND DATA SCIENCE)**

**STUDENT NM-ID : 7BDDBA4E66FFCA6A140473AD2036133A**

**ROLL NO : 310523243094**

**DATE : 13/05/2025**

**Completed the project named as**

**TECHNOLOGY-SUPPLY CHAIN MANAGEMENT**

**SUBMITTED BY,**

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**Phase 5: Project Demonstration and Documentation**

**Title: Supply Chain Management.**

**Supply Chain Management System**

**Abstract:**

**The Supply Chain Management System (SCMS) aims to improve the flow of goods, services, and**

**information across all stages of a supply chain-from procurement to product delivery. This system is**

**designed to enhance efficiency, reduce costs, and ensure timely fulfillment through the integration of**

**procurement, inventory, order management, and vendor coordination modules. This document**

**presents a complete explanation based on the project's demonstration, documentation, stakeholder**

**feedback, final reporting, and future deployment strategy.**

1. **Project Demonstration**
2. **Overview:**

**The SCMS will be presented to stakeholders, showing real-time tracking of inventory, supplier**

**communication, and logistics coordination.**

**Demonstration Details:**

**- System Walkthrough: Demonstrate order placement, stock updates, and vendor interaction.**

**- Inventory Management: Show automated stock level tracking and reorder point alerts.**

**- Procurement Process: Step-by-step flow from purchase request to approval and order dispatch.**

**- Order Fulfillment: Show how the system manages packing, shipping, and delivery tracking.**

**- Reporting: Demonstrate generation of reports for supply cost, vendor performance, and product**

**Outcome:**

**Stakeholders will understand the operational improvements and traceability the system offers.**

**2. Project Documentation**

**Overview:**

**All aspects of the project are thoroughly documented, ensuring easy reference and future scalability**

Documentation Sections:

System Architecture: Diagrams showing modules like procurement, inventory, and distribution.

Code Documentation: Details on the implementation of backend logic and user interface.

User Guide: Steps for warehouse staff, procurement officers, and admins.

Administrator Guide: System setup, user role configuration, and backup procedures.

Testing Reports: Functional, integration, and system testing summaries.

Outcome:

Comprehensive documentation will support maintenance and further system development.

3. Feedback and Final Adjustments

Overview:

After initial demonstration, stakeholder feedback is used to enhance usability and fix bugs.

Steps:

Feedback Collection: Gathered through feedback forms, interviews, and user observation.

Refinement: Fix navigation issues, adjust user roles, and improve interface consistency.

Final Testing: Conduct regression and load tests to validate adjustments.

Outcome:

A polished system that reflects real-world operational needs.

4. Final Project Report Submission

Overview:

The final report compiles all project activities, results, and future recommendations.

Report Sections:

Executive Summary: Project goals and major accomplishments.

Phase Breakdown: From requirements gathering to deployment.

Challenges & Solutions: Delays in procurement, inventory mismatch, etc.

- Outcomes: Improved supply chain visibility and efficiency.

Outcome:

The report validates the system's impact and readiness.

5. Project Handover and Future Works

Overview:

The project is finalized and handed over to stakeholders with future development suggestions.

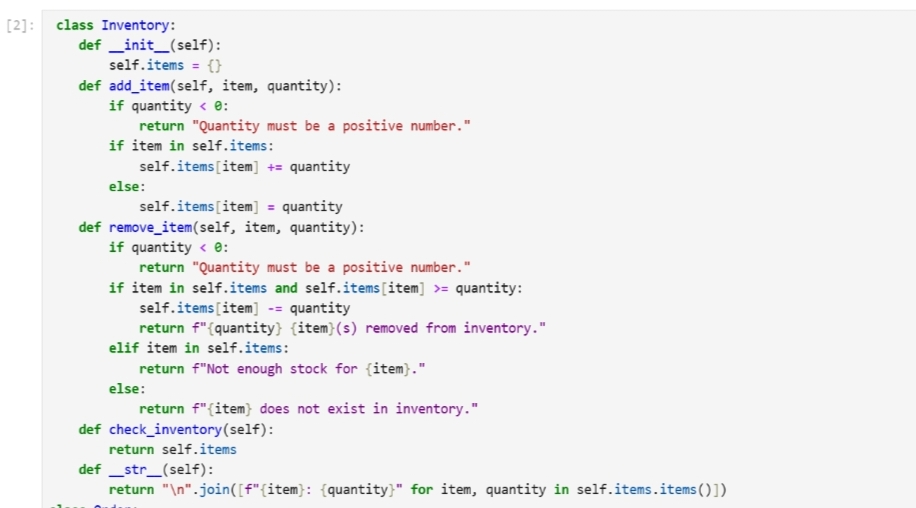
Handover Details:

- Next Steps: ERP integration, mobile support, multilingual features, and AI-based demand

forecasting.

Outcome:

- A stable system with clear upgrade paths and operational continuity plans.

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