DEPARTMENT OF MANAGEMENT

CERTIFICATE COURSE CODE : SFABBA006
CERTIFICATE COURSE NAME : Basics of Logistics Management
DATE : 18-07-2023 to 14-11-2023
COURSE TEACHER : Mr. Subash T K
DESCRIPTION : This certificate course provides an introduction to the fundamental concepts and principles of logistics management. Participants will gain a comprehensive understanding of key logistics processes, including transportation, warehousing, inventory management, and supply chain coordination. Through a combination of lectures, case studies, and practical exercises, participants will develop essential skills and knowledge to excel in logistics management roles.

Objectives:

1. **Introduction to Logistics:** Provide participants with a foundational understanding of logistics management, including its importance, scope, and key concepts.
2. **Supply Chain Overview:** Introduce participants to the concept of supply chain management and its role in optimizing the flow of goods and services from suppliers to customers.
3. **Transportation Management:** Teach participants the fundamentals of transportation management, including modes of transportation, routing, scheduling, and carrier selection.
4. **Inventory Management:** Familiarize participants with inventory management techniques, including inventory control, demand forecasting, and inventory optimization.
5. **Warehousing and Distribution:** Explore the principles of warehousing and distribution management, including warehouse layout, storage systems, and order fulfilment processes.

Outcomes:

1. **Understanding of Logistics Concepts:** Participants will have a clear understanding of fundamental logistics concepts, terminology, and principles.
2. **Efficient Transportation Planning:** Participants will be able to plan and execute transportation operations effectively, optimizing routes and minimizing costs.
3. **Effective Inventory Management:** Participants will understand how to manage inventory efficiently, ensuring adequate stock levels while minimizing carrying costs and stockouts.
4. **Optimized Warehousing Practices:** Participants will be equipped with the knowledge and skills to design and
5. **Enhanced Problem-solving Skills:** Participants will develop problem-solving skills to address logistics challenges and optimize supply chain performance.

SYLLABUS:

Module I: Introduction to Logistics Management

Definition and scope of logistics-Evolution of logistics management-Importance of logistics in modern business operations.

Module II: Transportation Management

Modes of transportation (road, rail, air, sea)-Factors influencing transportation decisions- Transport costing and optimization.

Module III: Warehousing and Distribution

Functions and types of warehousesWarehouse layout and design- picking and packing.

Module IV: Inventory Management

Importance of inventory in logistics-Inventory control techniques (ABC analysis, EOQ, JIT)-Inventory optimization strategies.

Module V: Supply Chain Management

Concept of supply chain and its components-Coordination and collaboration in the supply chain-Supply chain integration and performance measurement.

References:

1. "Introduction to Logistics Systems Management" by GianpaoloGhiani, Gilbert Laporte, and Roberto Musmanno
2. "Transportation: A Supply Chain Perspective" by John J. Coyle, Robert A. Novack, Brian Gibson, and Edward J. Bardi
3. "Warehouse Management: A Complete Guide to Improving Efficiency and Minimizing Costs in the Modern Warehouse" by Gwynne Richards
4. "Inventory Management: Principles, Concepts and Techniques" by Adam J. Bock and Edward J. Robertson
5. "Supply Chain Management: Strategy, Planning, and Operation" by Sunil Chopra and Peter Meindl
6. "Logistics and Supply Chain Management" by Martin Christopher
7. "Global Logistics and Supply Chain Management" by John Mangan, Chandra Lalwani, and Tim Butcher
8. "Logistics Management and Strategy: Competing through the Supply Chain" by Alan Harrison and Remko van Hoek