

# 17MB233 SUPPLY CHAIN MANAGEMENT

## **Course Objective:**

The objective of the course is to make the student know about the Supply Chain Mechanism, Strategies, diverse, metrics, supply chain relationships .To develop skills in managing global supply chains in the real world by correlating to the theory.

## **Course Objectives:**

- To enable the students to gain knowledge about the concept of logistics and its importance in business environment.
- The students are able to design supply chain drivers and metrics.
- To enable the students to develop logistics and supply chain relationships.
- Hone their abilities for planning and managing inventories in supply chain.
- Able to develop skills for management of global supply chains

## **UNIT - I**

Logistics: The logistics of Business. Objective and Importance of Supply Chain Process, Logistics and Strategies, Supply Chain Strategies, Achieving Strategic Fit, Expanding Strategic Scope, obstacles to achieving strategic fit.

## **UNIT - II**

Supply Chain Drivers and Metrics: Drivers for Supply Chain Performance, Framework for Structuring drivers. Facilities, inventory, transportation, information, sourcing and pricing.

## **UNIT - III**

Logistics and Supply chain relationships: Benchmarking the logistics process and SCM operations – Mapping the supply chain processes – Supplier and distributor benchmarking – setting benchmarking priorities – identifying logistics performance indicators – e-commerce and SCM.

## **UNIT - IV**

Planning and Managing inventories in Supply Chain: Managing Economies of Scale in Supply Chain, managing Uncertainty in a supply chain, safety inventory, determining optimal level of product inventory.

## **UNIT - V**

Managing global logistics and global supply chains: Logistics in a global economy – global operating levels – Global supply chain business processes – Global purchasing – Global logistics – Channel in Global logistics – Issues and Challenges in Global supply chain Management.

**Skill Development:**

*(These activities are only indicative, the Faculty member can innovate)*

1. Visit any company and prepare the report on supply chain strategies followed by them.
2. Prepare a report on supply chain matrices followed by manufacturing company that you have visited recently.
3. Visit any company and benchmark the logistics and supply chain operations with the best company in the industry.
4. Prepare a report on retail store optimum inventory management methods
5. Visit any organization and prepare the report on its global SCM.

**Text Book:**

1. Sunil Chopra and Peter Meindl: Supply chain management: Strategy, Planning and Operation, 3/e, Pearson Education, New Delhi 2007.

**REFERENCE BOOKS:**

1. Donald J. Bowersox and David J. Closs, Logistical Management: The Integrated Supply Chain Process, TMH, 2006.
2. Martin Christopher, Logistics and Supply Chain Management, Pitman, London.
3. B.S.Sahay, Supply Chain Management for Global Competitiveness, Macmillan, New Delhi, 2003.
4. Philip B.Schary, Tage Skjott – Larsen: Managing the Global Supply Chain, Viva Mumbai, 2006.

Monczka: Purchasing and Supply Chain Management Thomson, 2006.