

Supply Chain and Logistics Management

Core Modules & Topics

Module	Topics
1. Introduction to Supply Chain Management (SCM)	• Definition, scope, and key components of a supply chain. • The strategic role of SCM in achieving competitive advantage. • Identifying participants and drivers within the supply chain.
2. Logistics & Transportation	• Principles of logistics management. • Modes of transportation and carrier selection. • International logistics and EXIM procedures.
3. Inventory & Warehousing Management	• Inventory control strategies, cycle and safety stock management. • Warehousing operations and network design. • Reducing excess and obsolete inventory.
4. Procurement & Supplier Management	• Managing the procurement process and supply base. • Supplier analysis, relationships, and negotiation.
5. Demand Planning & Operations	• Demand forecasting techniques. • Aggregate planning and supply-demand balance. • Customer focus and order fulfillment processes.
6. Performance, Strategy & Trends	• Measuring supply chain performance using Key Performance Indicators (KPIs). • Developing sustainable and ethical supply chain strategies. • Understanding modern supply chain strategies and future trends.
7. Technology in SCM	• The role of Information Technology (IT) in supply chain visibility. • Emerging technologies like Artificial Intelligence (AI), blockchain, and IoT.

Learning Outcomes

- Define and understand the core principles of SCM and logistics.
- Analyze and optimize key supply chain processes.
- Manage different aspects of the supply chain, including inventory, warehousing, and transportation.
- Apply concepts of supply chain integration and strategy to real-world problems.