

# Supply Chain Management

## Course Content

1. Understanding the supply chain
  - a) What is a supply chain?
  - b) Decision phases in a supply chain.
  - c) Process view of a supply chain.
  - d) The importance of supply chain flows.
  - e) Competitive Supply Chain Strategies.
  - f) Achieving strategic fit.
  
2. Designing distribution network in a supply chain
  - a) The role of distribution in the supply chain.
  - b) Factors influencing distribution network design.
  - c) Design option for a distribution network.
  - d) Distribution network in practice.
  
3. Inventory Management and risk pooling
  
4. The value of Information, Bullwhip effect, forecasting, lead time reduction
  
5. Supply chain integration
  - a) Introduction
  - b) Push, Pull, and Push-Pull systems
  - c) Demand driven strategies, Collaborative Planning Forecasting Replenishment (CPRF) concept.
  - d) Impact of Internet on supply chain strategies. (E-business)
  - e) Distribution strategies- Direct shipment, Cross-docking, Milk run, transshipment.
  
6. Strategic Alliances
  - a) Introduction
  - b) A framework for strategic alliances.
  - c) Third party / fourth party logistics

7. Procurement Management in Supply Chain  
E-procurement and outsourcing
  
8. Performance Measurement and Controls in Supply Chain Management
  - a) Introduction and concept of Benchmarking
  - b) Gap Analysis
  - c) Key actions in benchmarking for best practices.
  - d) Overview of Supply Chain Operations Reference (SCOR) Modeling
  - e) Balance scorecard for SCM.
  
9. Customer Value and SCM  
The dimensions of Customer Value.  
Conformance to requirements, product election, price and brand
  
10. Ethical issues in SCM

**Reference Books:**

1. Sunil Chopra and Peter Meindi, Supply Chain Management-Strategy, Planning and Operation, Pearson Education, New Delhi,5 edition-26 January 2012
  
2. Rahul V. Altekar, Supply Chain Management- Concepts and Cases, Prentice Hall India, New Delhi, 2005
  
3. Bosman R, The New Supply Chain Challenge: Risk Management in a Global Economy by, FM Global, Johnston RI, 2006.