

# **Fundamentals of Supply Chain Management (SCM) - TOC**

Total Duration: 24 hours

## **1. Introduction to Supply Chain Management**

- What is Supply Chain Management?
- Importance and Benefits of SCM
- Key Concepts and Terminology

## **2. Supply Chain Strategy and Planning**

- Understanding Supply Chain Strategies
- Aligning Supply Chain with Business Goals
- Demand Forecasting and Planning

## **3. Procurement and Sourcing**

- Introduction to Procurement
- Sourcing Strategies and Supplier Management
- Negotiation and Contract Management

## **4. Production**

- Overview of Production Management
- Production Planning and Scheduling
- Lean Manufacturing and Just-in-Time (JIT)
- Quality Control and Continuous Improvement

## 5. Inventory Management

- Inventory Types and Classifications
- Inventory Management Techniques
- Material Requirement Planning (MRP)
- Inventory Optimization Strategies

## 6. Logistics and Distribution

- Transportation Management
- Warehousing and Storage
- Order Fulfillment and Distribution Strategies

## 7. Supply Chain Technology and Digitalization

- Role of Technology in SCM
- Overview of ERP Systems (e.g., SAP, Oracle)
- Introduction to Digital Supply Chain and Industry 4.0

## 8. Performance Measurement and KPIs

- Key Performance Indicators (KPIs) in SCM
- Metrics for Monitoring and Evaluation
- Continuous Improvement in Supply Chain Processes

## 9. Risk Management in Supply Chain

- Identifying and Analyzing Risks
- Risk Mitigation Strategies
- Crisis Management and Resilience Building

## 10. Sustainability in Supply Chain

- Importance of Sustainability in SCM
- Sustainable Sourcing and Procurement
- Green Logistics and Circular Supply Chains

## 11. Future Trends in Supply Chain Management

- Emerging Trends and Innovations
- Impact of AI and Machine Learning on SCM
- Preparing for the Future of Supply Chains

## 12. Case Studies and Real-world Applications

- Case Study Discussions
- Practical Applications in Different Industries

## 13. Conclusion and Wrap-Up

- Review and Key Takeaways
- Q&A and Discussion