

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR				
MBA III Semester	L	T	P	C
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(17E00311) SUPPLY CHAIN MANAGEMENT
(Elective II)

Objective: The Objective of this course is to gain the knowledge of possibilities of efficient optimization and management of operation in integrated supply chains and also the ability to apply them in the enterprise reality. The course will also strengthen the holistic view on supply chain operations, management and strategy and some current research areas in supply chain management.

- 1. Role of Distribution in Value discovery:** Designing a distribution logistics system – Outsourcing of distribution logistics – Distinction between distribution logistics and supply chain management. Introduction -Supply Chain – Fundamentals –Evolution- Role in Economy -Importance - Decision Phases - Supplier- Manufacturer-Customer chain. - Enablers/Drivers of Supply Chain Performance.
- 2. Strategic Sourcing :** Outsourcing – Make Vs buy - Identifying core processes - Market Vs Hierarchy - Make Vs buy continuum -Sourcing strategy - Supplier Selection and Contract Negotiation. Creating a world class supply base- Supplier Development - World Wide Sourcing.
- 3. Supply Chain Network -** Distribution Network Design – Role – Factors Influencing Options, Value Addition – Distribution Strategies - Models for Facility Location and Capacity allocation. Distribution Center Location Models. Supply Chain Network optimization models. Impact of uncertainty on Network Design – Network Design decisions using Decision trees.
- 4. Planning Demand, Inventory And Supply -** Managing supply chain cycle inventory. Uncertainty in the supply chain – Analysing impact of supply chain redesign on the inventory - Risk Pooling - Managing inventory for short life – cycle products - multiple item -multiple location inventory management. Pricing and Revenue Management
- 5. Current Trends -** Supply Chain Integration - Building partnership and trust in SC Value of Information: Bullwhip Effect - Effective forecasting - Coordinating the supply chain. . SC Restructuring - SC Mapping -SC process restructuring, Postpone the point of differentiation.

Text Books :

- D K Agrawal, Textbook of Logistics and Supply Chain Management, MacMillan 2003, 1st Edition.
- G Raghuram & N Rangaraj, Logistics and Supply Chain Management - Cases and Concepts. Mac Millan.

References:

- Supply chain Logistics Management, Bowersox, Closs, Cooper, 2/e, TMH.
- Supply chain management concepts and cases, Rhaul V. Altekar, PHI.
- Principles of Supply Chain Management – A balanced approach, Wisner, Leong, Tan, Cengage.
- Exploring Supply Chain – theory and practice, Upendra Kachru, excel.
- Supply Chain Management, R.P. Mohanty and S.G. Deshmukh, Jaico .