# SUPPLY CHAIN MANAGEMENT

	reaching Hours / week (L:T:P) 3-0-2	Course Code	Comments	Semester	
Credits: 04	3-0-2	18N1BAN1N1306	Ш		
	Exam Hours	SEE Marks	CIE Marks		
	: 03	: 60	: 40		

### Objectives:

- supply chain. To understand the basic concepts, processes and key elements of
- supply chains. To provide insights for establishing efficient, effective, and sustainable
- and execution. To explain the role of technology in supply chain planning, visibility,

Introduction: Basic concepts & philosophy of SCM, essential features, decision phases - process view, supply chain framework, key issues in SCM

### Unit 2:

tailored transportation. affecting the network design decisions. Designing and Planning Transportation Networks, role of transportation, modes, design options, Designing the supply chain network: Designing the distribution network, role of distribution, factors influencing distribution, design options, distribution networks in practice, network design in the supply chain, factors

EOQ, buffer stock, lead time reduction, reorder point / re-order level fixation, ABC analysis, SDE/VED Analysis. Inventory Management: Concept, various costs associated with inventory,

of inventory management single vendor concept, account for materials, just in time & Kanban systems purchasing, functions and purchase policies, vendor rating/ evaluation, Purchasing and vendor management: Centralized and decentralized

expected cost of stock outs. Customer Service: Demand Management, CPFRP, customer service, distribution and warehousing management. Demand Management and sub-systems, inbound and out bound logistics bullwhip effects in logistics, Logistics Management: Logistics of part of SCM, logistics costs, logistics,

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outsourcing-basic concepts, value addition in SCM. CRM Vs SCM, Benchmarking concept, features and implementation, Recent Issues in SCM: Role of computer/ IT in supply chain management, CRM Ve SCM non-

## PRACTICAL COMPONENTS:

- Students are expected to choose any 4 Indian Organizations and study their supply chain in terms of drivers of the Supply chain and submit a
- Students should visit different logistics companies and understand the services provided by them and submit a report.
- distribution system used and understand the reason for using that Students should identify any product/service and study the type of
- particular type and present it in the class.
  Students should identify the various types of IT applications employed by Indian Organizations in their Supply chain.

### COURSE OUTCOMES:

The student should be able to:

- management. Demonstrate knowledge of the functions of logistics and supply chain
- To relate concepts and activities of the supply chain to actual organizations.
- Highlight the role of technology in logistics and supply chain management.
- Evaluate cases implementation for effective supply chain management and its

## RECOMMENDED BOOKS:

- A Logistic approach to Supply Chain Management Coyle, Bardi, Longley, 1st Edition, Cengage Learning.
- Supply Chain Logistics Management, Donald J Bowersox, Dand J Closs, M Bixby Coluper, 2nd Edition, TMH, 2008.

### REFERENCE BOOKS:

- Supply chain management, Chopra Sunil and Peter Meindl 3rd edition, Pearson, 2007.
- Supply Chain Management-A Managerial Approach, Amith Sinha Herbert, 2nd edition, TMH.
- 1st edition, Macmillan A Text Book of Logistics and Supply chain management, Agarwal D.K

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