



**SUPPLY CHAIN MANAGEMENT**  
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**[GENERIC CORE]**

<b>Semester: III</b>	<b>Credits: 3</b>	<b>Subject Code: BB32102</b>	<b>Lectures: 48</b>
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**Course Outcomes:**

At the end of the Course, the learner will be able to,

- Recognize the impact of supply chain strategy in providing competitive advantage for organizations.
- Draw the interrelation between Warehouse Management and Logistics Management with Supply Chain Management
- Analyze the relationship between Human Resource Management and Supply Chain Management.
- Develop and evaluate distribution network design for Supply Chain of different types of business.
- Plan Warehouse and Logistics operations for optimum utilization of resources.
- Develop constructive guidelines for transparent and fair treatment of suppliers and customers to enhance the reputation of supply chain management professionals.

**Unit 1: Supply Chain Management**

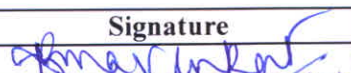
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- Concept, objectives, significance
- Process view of a Supply Chain Cycle: Push Pull View
- Components of supply chain
- Supply Chain Strategy
- Green Supply Chain Management (Concept, Importance and Objectives)
- Global Supply Chain Management
- Value Chain and Value Delivery System of Supply Chain Management
- Bull-Whip effect
- IT in SCM, Current IT Trends in SCM, RFID, Barcoding.

**Unit 2: Manufacturing and Warehousing**

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- Manufacturing
  - Manufacturing Scheduling
  - Manufacturing Flow System
  - Work- Flow Automation
  - Material Handling System Design and Decision
- Warehousing
  - Types of Warehousing (General, Specific, Bonded, Bulk Storage, Refrigerated)
  - Operating Principles of Warehouse Design (Design Criteria, Handling Technology, Storage Plan)
  - Warehouse Layout Docking and Marshalling
  - Warehouse Safety Management

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- Factors for Ideal Warehouses.	
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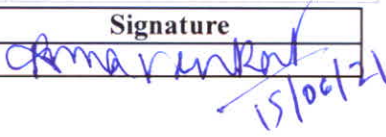
<b>Unit 3: Logistics Management</b>	12
<ul style="list-style-type: none"> <li>• Concept and Significance</li> <li>• Forms of Logistics Operations (Maritime Logistics, Land Logistics, Express Delivery, City Logistics)</li> <li>• The Economics of Logistics</li> <li>• Cost Associated with Logistics</li> <li>• Logistics in International Trade</li> <li>• Logistics outsourcing:             <ul style="list-style-type: none"> <li>- Third Party Logistics (3PLs)</li> <li>- Fourth Party Logistics (4PLs)</li> </ul> </li> <li>• Future Prospects of logistics</li> </ul>	

<b>Unit 4: Key Operation Aspects in Supply Chain</b>	12
<ul style="list-style-type: none"> <li>• Supply Chain Network Design</li> <li>• Distribution Network in Supply Chains</li> <li>• Channel Design</li> <li>• Factors Influencing Design</li> <li>• Role and Importance of Distributors in SCM</li> <li>• Role of Human Resources in SCM</li> <li>• Issues in Workforce Management and Relationship Management with Suppliers</li> <li>• Customers and Employees</li> <li>• Linkage between HRM and SCM.</li> </ul>	

# 12 hours for Library work, practical or field work or research purposes

<b>Recommended Text Books:</b>
<ul style="list-style-type: none"> <li>• Singh Priyanka &amp; Varma Bhanu Prakash, <i>Supply Chain Logistics</i>, Vision Publications; 2011.</li> <li>• Waghmare Mangesh P, <i>Supply Chain Logistics</i>, Vision Publications; 2010.</li> </ul>

<b>Reference Books:</b>
<ul style="list-style-type: none"> <li>• Bhat Shridhara K, <i>Materials and Logistics Management</i>, Himalaya Publishing House, 2013</li> <li>• Mangesh P. Waghmare, <i>Supply &amp; Chain Logistics</i>, Vision Publication (2010), First Edition.</li> <li>• Sunil Chopra, Peter Meindl, <i>Supply Chain Management</i>, Pearson Education Inc., 2006-2<sup>nd</sup> Edition</li> <li>• Vinod V. Sople, <i>Supply Chain Management (Texts &amp; Cases)</i>, Pearson Education Inc. 2012, First Impression</li> </ul>

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- Meenal Dhotre, *Channel Management & Retail Marketing*, Himalaya Publishing House (2008), First Edition
- Ballou Ronald. H, *Business Logistics Supply Chain Management*, Pearson, New Delhi, 5<sup>th</sup> Edition
- Grant David. B, Trautrim Alexander, *Sustainability Logistics & Supply Chain Management*, Kogan Page, New Delhi, 2013.
- Khanna, K. K., *Physical Distribution Management: Logistic Approach*, Himalaya Publishing House, 2007

#### E-Resources:

- <https://nlist.inflibnet.ac.in/>
- <https://search.ebscohost.com/>

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