

3 <sup>rd</sup> semester	21MBA304K	Procurement, Storage, and Warehouse Management	L-T-P 3-0-0	3 credits	35 Hours
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**Course Objectives:**

1. Provides know-how required to operate an efficient and cost effective warehouse as also the role of inventory in warehouse management.
2. It provides guidance on using the latest technology, reducing inventory, people management, location and design and manage uncertainty risks of customer markets
3. Define the right structure of the supply network and inventory control and warehouse management system.

**Module-I**

Procurement System, Principles of Procurement, History of procurement function: from administrative to strategic, value-added role, Procurement Cycle, Procurement Planning, Purchasing Mix: Six Rights, Selecting the right supplier, Source of information and process, Supplier appraisal/vendor capability, Bidding process.

**Module-II**

Warehousing: Concepts -Role of warehouse-types of warehouse- warehouse location- Need for warehousing- Supply chain trends affecting warehouse -Warehouse functions- Role of warehouse manager- Warehouse process: e-commerce warehouse- Receiving and put away- Warehouse process – pick up preparation-Receiving - Pre-receipt - In- handling - Preparation - offloading - Checking - Cross-docking - Quality control - Put-away - Pick preparation - Pick area layout – Picking strategies and equipment -order picking methods - Warehouse processes, Replenishment to dispatch- Value adding services - Indirect activities - Stock management - Stock or Inventory counting - Perpetual inventory counts - Security - Returns processing – Dispatch.

**Module-III**

Storage Management system – Storage Inventory Management – Functions of storage & Inventory - Classification of Inventory- Methods of Controlling Stock Levels- Always Better Control (ABC) Inventory system- Warehouse Management Systems (WMS) - choosing a WMS-the process implementation-cloud computing- Warehouse Layout-Data collection-space calculation-aisle width- finding additional space. Storage and Warehousing Information system -Storage Equipment: storage option - shuttle technology - very high bay warehouse - warehouse handling equipment - vertical and horizontal movement - Automated Storage/ Retrieval System (AS/RS)-specialized equipment Technical advancements- Resourcing a warehouse- warehouse costs. Types of cost - Return on Investment (ROI) - Charging for shared-user warehouse service - Logistics charging methods Warehousing Information System (WIS)- Performance management- outsourcing decisions.

**Books:**

1. Gwynne Richards, Warehouse Management: A Complete Guide to Improve Efficiency and Minimizing Cost in the Modern Warehouse. The Chartered Institute of Logistics and Transport, Kegan page limited.
2. David E. Mulchy & Joachim Sidon, A Supply Chain Logistics Program for Warehouse Management. Auerbachian Publications
3. World-Class Warehousing and Material Handling. (International ed.), McGraw-Hill. Muller, M..
4. Essentials of Inventory Management. (2 nd ed.), American Management Association.

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