



S.S.T. College of Arts & Commerce

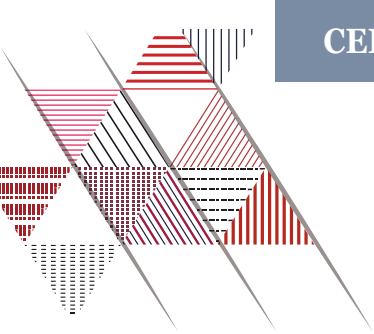
(Affiliated to University of Mumbai, Mumbai) Ulhasnagar - 421 004, Dist. Thane.

CERTIFICATE COURSE



SUPPLY CHAIN MANAGEMENT





Course Code :- CCBCSC002

Duration
of
the
course:-
32 Hours

Eligibility :-
Any student
learning in a
first year
degree programme
of any stream.

**Medium of
Instruction :-**
English

ABOUT THE COURSE

The certificate course in Supply Chain Management offered by the college provides students with a comprehensive understanding of the processes and strategies involved in managing the flow of goods and services from the point of origin to the point of consumption. The course aims to equip students with the knowledge and skills necessary to optimize supply chain operations and enhance organizational efficiency.

Objective: The objective of the certificate course on supply chain management is to develop an understanding of design, implementation, and management of efficient and effective supply chain systems. The course aims to give an insight about the tools and techniques to streamline operations, enhance productivity, and improve overall supply chain performance.

LEARNING OUTCOME

By The End Of The Course Students Shall Be Able

Students would have an understanding of supply chain principles and be equipped with practical skills to optimize supply chain operations. They would be well-prepared for roles and responsibilities in supply chain management within various industries.

Syllabus (Course Content)

Unit 1-Overview of Logistics and Supply Chain Management

a) Introduction to Logistics Management

Meaning, Basic Concepts of Logistics- Logistical Performance Cycle, Inbound Logistics, Inprocess Logistics, Outbound Logistics, Logistical Competency, Integrated Logistics , Reverse Logistics and Green Logistics • Objectives of Logistics, Importance of Logistics, Scope of Logistics, Logistical Functions/Logistic Mix, Changing Logistics Environment

b) Introduction to Supply Chain Management

• Meaning, Objectives, Functions, Participants of Supply Chain, Role of Logistics in Supply Chain, Comparison between Logistics and Supply Chain Management, Channel Management and Channel Integration

c) Performance Measurement in Supply Chain

• Meaning, Objectives of Performance Measurement, Types of Performance Measurement, Dimensions of Performance Measurement, Characteristics of Ideal Measurement System

d) Logistical Network Analysis

• Meaning, Objectives, Importance, Scope, RORO/LASH

Unit 2 -Elements of Logistics Mix

a) Transportation • Introduction, Principles and Participants in Transportation, Transport Functionality, Factors Influencing Transportation Decisions, Modes of Transportation- Railways, Roadways, Airways, Waterways, Ropeways, Pipeline, Transportation Infrastructure, Intermodal Transportation

b) Warehousing • Introduction, Warehouse Functionality, Benefits of Warehousing, Warehouse Operating Principles, Types of Warehouses, Warehousing Strategies, Factors affecting Warehousing

c) Packaging • Introduction, Objectives of Packaging, Functions/Benefits of Packaging, Design Considerations in Packaging, Types of Packaging Material, Packaging Costs

Unit 3 -Inventory Management, Logistics Costing, Performance Management and Logistical Network Analysis

a) Inventory Management • Meaning, Objectives, Functions, Importance, Techniques of Inventory Management (Numerical - EOQ and Reorder levels)

b) Logistics Costing • Meaning, Total Cost Approach, Activity Based Costing, Mission Based Costing

Unit 4-Recent Trends in Logistics and Supply Chain Management

a) Information Technology in Logistics • Introduction, Objectives, Role of Information Technology in Logistics and Supply Chain Management, Logistical Information System, Principles of Logistical Information System, Types of Logistical Information System, Logistical Information Functionality, Information Technology Infrastructure.

b) Modern Logistics Infrastructure • Golden Quadrilateral, Logistics Parks, Deep Water Ports, Dedicated Freight Corridor, Inland Container Depots/Container Freight Stations, Maritime Logistics, Double Stack Containers/Unit Trains

c) Logistics in the Global Environment • Managing the Global Supply Chain, Impact of Globalization on Logistics and Supply Chain Management, Global Logistics Trends, Global Issues and Challenges in Logistics and Supply Chain Management