

Supply Chain: Capacity Planning & Network Design

1 Day

8 HOURS

5

MODULES

18

TOPICS

2

HANDS-ON ACTIVITIES

LEARNING OBJECTIVES

- Explain the key components and functions of supply chains
- Analyse a real-life supply chain optimisation case study
- Apply resource-based and demand-based capacity planning methods
- Assess strategies for optimising production capacity for demand
- Describe techniques for optimising inventory deployment and distribution
- Compare cost, service and flexibility considerations in network design
- Evaluate a logistic network redesign case study
- Explain the role of sustainability in reverse logistics

TRAINING APPROACH

Throughout the training, interactive discussions, case studies, and hands-on activities will be used to engage participants and reinforce key concepts in logistics and supply chain management. Participants will leave with a comprehensive understanding of supply chain fundamentals and practical strategies for optimizing supply chain operations.

5 Modules, 18 Topics

01

2 hours

Logistics and Supply Chain Overview

INTRODUCTION TO LOGISTICS AND SUPPLY CHAIN MANAGEMENT (30 MINUTES)

- Definition and Importance of Logistics and Supply Chain Management
- Key Components and Functions of Supply Chains

CASE STUDY: OPTIMIZING SUPPLY CHAIN EFFICIENCY (1 HOUR)

- Presentation of a case study on a real-life supply chain optimization scenario
- Group discussion and analysis of challenges faced and potential solutions

INTERACTIVE ACTIVITY

- 01 Capacity Planning and Demand Management Simulation (30 minutes): Participants engage in a simulation exercise to understand the principles of capacity planning and demand management
- 02 Teams collaborate to make decisions related to capacity planning and managing demand fluctuations

02

2 hours

Capacity Planning and Demand Management

UNDERSTANDING CAPACITY PLANNING (1 HOUR)

- Definition and Objectives of Capacity Planning
- **Methods for Capacity Planning:** Resource-Based and Demand-Based Approaches

CASE STUDY: OPTIMIZING PRODUCTION CAPACITY (1 HOUR)

- Presentation of a case study on capacity planning and management in manufacturing
- Group discussion on strategies for optimizing production capacity to meet demand fluctuations

03

1 hour

Inventory Management and Deployment

DEPLOYED MANAGEMENT STRATEGIES (1 HOUR)

- Overview of Deployed Management in Supply Chain Operations
- Techniques for Optimizing Inventory Deployment and Distribution

04**1 hour, 30 minutes**

Logistic Network Design

PRINCIPLES OF LOGISTIC NETWORK DESIGN (1 HOUR)

- Key Considerations in Logistic Network Design: Cost, Service, and Flexibility
- Strategies for Designing an Efficient and Responsive Logistic Network

CASE STUDY: REDESIGNING LOGISTIC NETWORK (30 MINUTES)

- Presentation of a case study on redesigning a logistic network for improved efficiency
- Group discussion on challenges and solutions for optimizing logistic network design

05**30 minutes**

Reverse Logistics and Sustainability

INTRODUCTION TO REVERSE LOGISTICS AND SUSTAINABILITY (15 MINUTES)

- Definition and Importance of Reverse Logistics
- Role of Sustainability in Supply Chain Operations

CASE STUDY: IMPLEMENTING SUSTAINABLE REVERSE LOGISTICS PRACTICES (15 MINUTES)

- Presentation of a case study on implementing sustainable reverse logistics practices
- Group discussion on the environmental and economic benefits of sustainable reverse logistics initiatives

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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