London TDM

Procurement and Supply Chain Management Training Courses

Course Venue: Malaysia - Kuala Lumpur

Course Date: From 25 January 2026 To 29 January 2026

Course Place: Royale Chullan Hotel

Course Fees: 6,000 USD

Introduction

Data-Driven Decision Making in Supply Chain Management (SCM) is crucial for optimizing logistics, reducing operational costs, and enhancing customer satisfaction. This professional course is designed to equip participants with the skills necessary to harness data analytics in making strategic SCM decisions. Throughout the five days, participants will engage in practical workshops, case studies, and discussions that pave the way for applying data-driven insights to real-world SCM challenges.

- Understand the role of data analytics in SCM.
- Learn techniques to collect, analyze, and interpret supply chain data.
- Apply data-driven strategies to improve supply chain performance.
- Engage in hands-on practice with SCM data analysis tools and software.
- Develop skills in predictive analytics and forecasting for SCM.

Course Outlines

Day 1: Introduction to Data-Driven Decision Making in SCM

- Overview of SCM and decision-making processes.
- Importance of data in SCM decision making.
- Introduction to key data analytics concepts.
- Understanding data sources and types in SCM.
- Case study: Successful data-driven SCM initiatives.

Day 2: Data Collection and Analysis Techniques

- Methods for collecting supply chain data.
- Data cleaning and preprocessing strategies.
- Exploratory data analysis (EDA) for SCM.
- Statistical methods for SCM data analysis.
- Workshop: EDA using SCM datasets.

Day 3: Predictive Analytics and Forecasting

- Introduction to predictive analytics in SCM.
- Forecasting demand and supply using data models.
- Machine learning techniques for SCM predictions.
- Evaluating predictive model performance.
- Hands-on practice: Building predictive models for SCM scenarios.

Day 4: Data-Driven Optimization and Decision Making

- Optimizing SCM operations with data insights.
- Designing data-driven SCM strategies.
- Decision-making frameworks in data-driven SCM.
- Implementing real-time data analytics in SCM operations.
- Case study: Optimization success stories in SCM.

Day 5: Implementing Data-Driven Strategies and Best Practices

- Challenges and solutions in implementing data-driven strategies.
- Technology and tools for data-driven SCM.
- Best practices for maintaining data quality and management.
- Developing a data-driven culture in SCM organizations.
- Final project presentation: Data-driven SCM strategy proposal.