COURSE OBJECTIVES

1. Evaluate a variety of business constraints and inputs in Supply Planning and develop a realistic constrained model to optimize the Master Production Schedule, perform sales forecasting, inventory optimization, and distribution planning

2. Assess various cost drivers for the supply chain network and develop a realistic model to optimize the supply chain network to minimize the total delivered costs

KEY CONCEPTS

• KPIs and Metrics for Supply Chain Analytics
• The Supply Chain Data Ecosystem
• Clustering and Supply Chain Segmentation Analytics
• Supply Chain Network Design Analytics
• Demand-sensing and forecasting analytics
• Procurement Optimization Analytics
• Capacity & Production Optimization
• Inventory, Distribution, and Logistics Analytics
• Supply Chain Sustainability Analytics
• SCA Technology Ecosystem

WHY TAKE THIS COURSE?

A general business understanding is no longer adequate in the workplace for students who plan to have a career in Modern Supply Chain Management. Most competitive companies expect advanced, in-depth skills from students entering the job market. With the advancement and adoption of Business Analytics, Data Science, and Artificial Intelligence, data-driven decision-making has become the modern approach to supply chain management.

COURSE DESCRIPTION

While other courses currently offered may nominally focus on a similar topic, this course will provide students with unique, in-depth insight into four areas of Supply Chain Management: Data Driven Decision Making, Solving Real-World Problems, Utilizing Scalable Technology, and Current Industry Best Practices.