

Emerging Business

Supply Chain - Design For Excellence

Curriculum

Program Outline :

Module 1: Fundamentals of Supply Chain - Design For Excellence Program

1. Supply Chain Design

- To create efficient and effective supply chain networks. Utilize network design, optimization tools, and simulation models to evaluate and enhance supply chain performance.

2. Process Improvement

- To identify and eliminate inefficiencies in supply chain processes. Implement Lean and Six Sigma methodologies to foster continuous improvement.

3. Strategic Sourcing

- To develop strategies for sourcing materials and services that align with business goals. Build strong supplier relationships, negotiate favorable contracts, and ensure a reliable supply chain

4. Inventory Optimization

- To balance inventory levels to meet demand while minimizing costs. Use advanced inventory management practices such as Just-In-Time (JIT) and Economic Order Quantity (EOQ).

Module 2: Advanced Supply Chain - Design For Excellence Program

5. Dynamic Supply Chain Modelling

- Advanced techniques for creating flexible and resilient supply chain models.

- Utilizing cutting-edge simulation tools to predict and manage supply chain behavior under various scenarios.

6. Strategic Sourcing and Procurement Excellence

- Developing global sourcing strategies to ensure cost efficiency and reliability.
- Leveraging strategic partnerships with suppliers to drive innovation and performance.

7. Advanced Inventory Optimization

- Implementing multi-echelon inventory optimization to balance inventory across the supply chain.
- Utilizing AI and machine learning for real-time inventory management and demand sensing.

8. Advanced Technology Integration

- Leveraging cutting-edge technologies such as AI, machine learning, and robotics to modernize manufacturing operations.

Module 3: Practical Applications

9. Supply Chain - Design For Excellence Program Project Development

- Developing and implementing Supply Chain - Design For Excellence Program projects.

10. AI Applications in Supply Chain - Design For Excellence Program

- Enhancing Supply Chain - Design For Excellence Program solutions with AI.

11. Data Analysis and Visualization

- Analyzing Supply Chain - Design For Excellence Program data and visualizing results.

12. Business Intelligence Applications

- Using Supply Chain - Design For Excellence Program data for decision making.

Module 4: Capstone Project

13. Integration of Learned Skills

- Apply tools and techniques to real-world Supply Chain - Design For Excellence Program.

14. Advanced Supply Chain - Design For Excellence Program Systems

- Developing complex Supply Chain - Design For Excellence Program systems.

15. Cloud Data Management

- Utilizing cloud platforms for scalable Supply Chain - Design For Excellence Program solutions.

16. AI for Supply Chain - Design For Excellence Program

- Implementing AI solutions in Supply Chain - Design For Excellence Program .

Elective Modules

17. Data Ethics and Privacy

- Ethical considerations, privacy laws, compliance strategies.

18. Predictive Analytics with Data Management

- Building and validating predictive models.

19. Supply Chain - Design For Excellence Program Project Management

- Leading Supply Chain - Design For Excellence Program projects, ensuring successful delivery.

20. Supply Chain - Design For Excellence Program for Smart Cities

- Developing Supply Chain - Design For Excellence Program solutions for smart city applications.

Websites:

- <https://chools.in/>
- <https://ramaqchools.com/>
- <https://www.choolsgroup.com/>