Emerging Business

Supply Chain - Lean Six Sigma

Curriculum

Module 1: Fundamentals of Supply Chain - Lean Six Sigma - Green Belt

1. **Lean Principles**

   o Understand and apply Lean principles to eliminate waste and enhance efficiency.

2. **Six Sigma Methodology**

   o Visualize and analyze the flow of materials and information through the supply chain   .

3. **Process Improvement Tools**

   o Implement tools and techniques to improve processes and reduce waste

4. **Project Management**

   o Plan, execute, and manage Lean Six Sigma projects effectively.

Module 2: Advanced Supply Chain - Lean Six Sigma - Green Belt

5. **Advanced Statistical Analysis**

   o Utilize complex statistical tools to analyze and interpret data for process improvements.

6. **Advanced Value Stream Mapping (VSM)**

   o Create detailed value stream maps for complex processes to identify more intricate inefficiencies.

7. **Process Control and Capability**

   o Enhance the ability to monitor and control processes to maintain high levels of performance.

8. **Complex Problem Solving**

   o Tackle more complex and chronic issues using sophisticated problem-solving methodologies.

Module 3: Practical Applications

9. **Supply Chain - Lean Six Sigma - Green Belt Project Development**

   o Developing and implementing Supply Chain - Lean Six Sigma - Green Belt projects.

10. **AI Applications in Supply Chain - Lean Six Sigma - Green Belt**

    o Enhancing Supply Chain - Lean Six Sigma - Green Belt solutions with AI.

11. **Data Analysis and Visualization**

    o Analyzing Supply Chain - Lean Six Sigma - Green Belt data and visualizing results.

12. **Business Intelligence Applications**

    o Using Supply Chain - Lean Six Sigma - Green Belt data for decision making.

Module 4: Capstone Project

13. **Integration of Learned Skills**

    o Apply tools and techniques to real-world Supply Chain - Lean Six Sigma - Green Belt.

14. **Advanced Supply Chain - Lean Six Sigma - Green Belt Systems**

    o Developing complex Supply Chain - Lean Six Sigma - Green Belt systems.

15. **Cloud Data Management**

    o Utilizing cloud platforms for scalable Supply Chain - Lean Six Sigma - Green Belt solutions.

16. **AI for Supply Chain - Lean Six Sigma - Green Belt**

    o Implementing AI solutions in Supply Chain - Lean Six Sigma - Green Belt .

Elective Modules

17. **Data Ethics and Privacy**

    o   Ethical considerations, privacy laws, compliance strategies.

18. **Predictive Analytics with Data Management**

    o   Building and validating predictive models.

19. **Supply Chain - Lean Six Sigma - Green Belt Project Management**

    o   Leading Supply Chain - Lean Six Sigma - Green Belt projects, ensuring successful delivery.

20. **Supply Chain - Lean Six Sigma - Green Belt for Smart Cities**

    o   Developing Supply Chain - Lean Six Sigma - Green Belt solutions for smart city applications.

Websites:

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