

Emerging Business

Supply Chain - Lean Six Sigma - Black Belt

Curriculum

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

1. Lean Principles

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

2. Six Sigma Methodology

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

3. Process Improvement Tools

- Implement tools and techniques to improve processes and reduce waste

4. Project Management

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

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

5. Advanced Statistical Analysis

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

6. Advanced Value Stream Mapping (VSM)

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

7. Process Control and Capability

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

8. Complex Problem Solving

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

Module 3: Practical Applications

9. Supply Chain - Lean Six Sigma - Black Belt Project Development

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

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

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

11. Data Analysis and Visualization

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

12. Business Intelligence Applications

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

Module 4: Capstone Project

13. Integration of Learned Skills

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

14. Advanced Supply Chain - Lean Six Sigma - Black Belt Systems

- Developing complex Supply Chain - Lean Six Sigma - Black Belt systems.

15. Cloud Data Management

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

16. AI for Supply Chain - Lean Six Sigma - Black Belt

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

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 - Lean Six Sigma - Black Belt Project Management

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

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

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

Websites:

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