

Emerging Business

Supply Chain - Lean Manufacturing Program

Curriculum

Module 1: Fundamentals of Supply Chain - Lean Manufacturing Program

1. Introduction to Lean Principles

- Understand the core principles of Lean manufacturing, which focus on eliminating waste and optimizing processes.

2. Value Stream Mapping (VSM)

- Visualize and analyze the flow of materials and information through the production process.

3. 5S System

- Maintain organized and efficient workspaces to improve productivity

4. Kaizen

- Foster a culture of continuous improvement through small, incremental changes.

Module 2: Advanced Supply Chain - Lean Manufacturing Program

5. Automation and Robotics

- Automates repetitive tasks, reducing human error and increasing efficiency.

6. Internet of Things (IoT)

- Monitor equipment and processes in real-time, providing data for predictive maintenance and process optimization.

7. Advanced Analytics and Big Data

- Uses historical data to predict future trends and optimize processes.

8. Artificial Intelligence (AI)

- AI algorithms learn from data to improve decision-making and process efficiency.

Module 3: Practical Applications

9. Supply Chain - Lean Manufacturing Program Project Development

- Developing and implementing Supply Chain - Lean Manufacturing Program projects.

10. AI Applications in Supply Chain - Lean Manufacturing Program

- Enhancing Supply Chain - Lean Manufacturing Program solutions with AI.

11. Data Analysis and Visualization

- Analyzing Supply Chain - Lean Manufacturing Program data and visualizing results.

12. Business Intelligence Applications

- Using Supply Chain - Lean Manufacturing Program data for decision making.

Module 4: Capstone Project

13. Integration of Learned Skills

- Apply tools and techniques to real-world Supply Chain - Lean Manufacturing Program.

14. Advanced Supply Chain - Lean Manufacturing Program Systems

- Developing complex Supply Chain - Lean Manufacturing Program systems.

15. Cloud Data Management

- Utilizing cloud platforms for scalable Supply Chain - Lean Manufacturing Program solutions.

16. AI for Supply Chain - Lean Manufacturing Program

- Implementing AI solutions in Supply Chain - Lean Manufacturing 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 - Lean Manufacturing Program Project Management

- Leading Supply Chain - Lean Manufacturing Program projects, ensuring successful delivery.

20. Supply Chain - Lean Manufacturing Program for Smart Cities

- Developing Supply Chain - Lean Manufacturing Program solutions for smart city applications.

Websites:

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