

Emerging Business

Supply Chain Engineering - PERMM - Preventive Equipment M Reliability Maintenance Management

Curriculum

Module 1: Fundamentals of Supply Chain Engineering - PERMM - Preventive Equipment M Reliability Maintenance Management

1. Preventive Maintenance

- Scheduled maintenance activities aimed at preventing equipment failures before they occur.

2. Reliability Engineering

- Applying engineering principles to design and maintain systems that perform reliably over their expected lifecycle .

3. Maintenance Planning and Scheduling

- Organizing and planning maintenance activities to ensure minimal disruption to operations

4. Condition Monitoring

- Continuous or periodic monitoring of equipment conditions to detect early signs of failure.

Module 2: Advanced Supply Chain Engineering - PERMM - Preventive Equipment M Reliability Maintenance Management

5. Advanced Predictive Maintenance (PdM)

- Machine Learning and AI Utilizing machine learning algorithms and AI to predict equipment failures more accurately.

6. Digital Twins

- Real-Time Monitoring Creating digital twins of physical assets to monitor their performance in real-time.

7. Reliability-Centered Maintenance (RCM)

- Comprehensive Approach Adopting a holistic approach to maintenance that focuses on preserving system functions.

8. Condition-Based Maintenance (CBM)

- Continuous Monitoring Implementing continuous monitoring systems to track equipment conditions.

Module 3: Practical Applications

9. Supply Chain Engineering - PERMM - Preventive Equipment M Reliability Maintenance Management Project Development

- Developing and implementing Supply Chain Engineering - PERMM - Preventive Equipment M Reliability Maintenance Management projects.

10. AI Applications in Supply Chain Engineering - PERMM - Preventive Equipment M Reliability Maintenance Management

- Enhancing Supply Chain Engineering - PERMM - Preventive Equipment M Reliability Maintenance Management solutions with AI.

11. Data Analysis and Visualization

- Analyzing Supply Chain Engineering - PERMM - Preventive Equipment M Reliability Maintenance Management data and visualizing results.

12. Business Intelligence Applications

- Using Supply Chain Engineering - PERMM - Preventive Equipment M Reliability Maintenance Management data for decision making.

Module 4: Capstone Project

13. Integration of Learned Skills

- Apply tools and techniques to real-world Supply Chain Engineering - PERMM - Preventive Equipment M Reliability Maintenance Management .

14. Advanced Supply Chain Engineering - PERMM - Preventive Equipment M Reliability Maintenance Management Systems

- Developing complex Supply Chain Engineering - PERMM - Preventive Equipment M Reliability Maintenance Management systems.

15. Cloud Data Management

- Utilizing cloud platforms for scalable Supply Chain Engineering - PERMM - Preventive Equipment M Reliability Maintenance Management solutions.

16. AI for Supply Chain Engineering - PERMM - Preventive Equipment M Reliability Maintenance Management

- Implementing AI solutions in Supply Chain Engineering - PERMM - Preventive Equipment M Reliability Maintenance Management .

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 Engineering - PERMM - Preventive Equipment M Reliability Maintenance Management Project Management

- Leading Supply Chain Engineering - PERMM - Preventive Equipment M Reliability Maintenance Management projects, ensuring successful delivery.

20. Supply Chain Engineering - PERMM - Preventive Equipment M Reliability Maintenance Management for Smart Cities

- Developing Supply Chain Engineering - PERMM - Preventive Equipment M Reliability Maintenance Management solutions for smart city applications.

Websites:

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