Emerging Business

Supply Chain Network Planning & Optimization

<u>Curriculum</u>

Program Outline :

Module 1:Fundamentals of Supply Chain Network Planning & Optimization Program

1. **Process Optimization**

   o Streamlining manufacturing workflows to eliminate waste, enhance productivity, and improve efficiency.

2. **Quality Management**

   o Implementing robust quality control measures to ensure products meet high standards and customer expectations.

3. **Lean Manufacturing**

   o Adopting lean principles to minimize waste, maximize value, and improve overall manufacturing processes.

4. **Technology Integration**

   o Leveraging advanced technologies such as automation, Supply Chain Network Planning & Optimization Program , AI, and machine learning to modernize manufacturing operations.

Module 2: Advanced Supply Chain Network Planning & Optimization Program

5. **In-Depth Process Optimization**

   o Advanced techniques for streamlining manufacturing workflows to eliminate waste and improve efficiency.

6. **Advanced Quality Management**

   o Implementing sophisticated quality control measures to ensure products meet the highest standards.

7. **Lean Six Sigma**

   o Combining lean principles with Six Sigma methodologies to achieve significant improvements in manufacturing processes.

8. **Advanced Technology Integration**

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

Module 3: Practical Applications

9. **Supply Chain Network Planning & Optimization Program Project Development**

   o Developing and implementing Supply Chain Network Planning & Optimization Program projects.

10. **AI Applications in Supply Chain Network Planning & Optimization Program**

    o Enhancing Supply Chain Network Planning & Optimization Program solutions with AI.

11. **Data Analysis and Visualization**

    o Analyzing Supply Chain Network Planning & Optimization Program data and visualizing results.

12. **Business Intelligence Applications**

    o Using Supply Chain Network Planning & Optimization Program data for decision making.

Module 4: Capstone Project

13. **Integration of Learned Skills**

    o Apply tools and techniques to real-world Supply Chain Network Planning & Optimization Program.

14. **Advanced Supply Chain Network Planning & Optimization Program Systems**

    o Developing complex Supply Chain Network Planning & Optimization Program systems.

15. **Cloud Data Management**

   o Utilizing cloud platforms for scalable Supply Chain Network Planning & Optimization Program solutions.

16. **AI for Supply Chain Network Planning & Optimization Program**

   o Implementing AI solutions in Supply Chain Network Planning & Optimization Program .

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 Network Planning & Optimization Program Project Management**

   o Leading Supply Chain Network Planning & Optimization Program projects, ensuring successful delivery.

20. **Supply Chain Network Planning & Optimization Program for Smart Cities**

   o Developing Supply Chain Network Planning & Optimization Program solutions for smart city applications.

Websites:

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