

Emerging Business

Advance Warehouse, Store & Material Management

Curriculum

Module 1: Fundamentals of Advance Warehouse, Store & Material Management

1. Inventory Management

- Implementing advanced techniques such as Just-In-Time (JIT), Economic Order Quantity (EOQ), and ABC analysis to control inventory levels and reduce holding costs.

2. Warehouse Layout Optimization

- Designing warehouse layouts to maximize space utilization, streamline workflows, and ensure safety compliance.

3. Material Handling Equipment

- Efficient operation and maintenance of material handling equipment such as forklifts, automated guided vehicles (AGVs), and conveyor systems

4. Supply Chain Coordination

- Developing strong relationships with suppliers, logistics providers, and internal teams to ensure seamless operations

Module 2: Advanced Advance Warehouse, Store & Material Management

5. Integrated Warehouse Management Systems (WMS)

- Implementing WMS with features like real-time data tracking, AI-driven analytics, and machine learning for predictive insights.

6. Internet of Things (IoT) and Smart Warehousing

- Utilizing IoT sensors and devices to monitor environmental conditions, track inventory in real-time, and ensure optimal storage conditions.

7. Blockchain for Supply Chain Transparency

- Using blockchain technology to provide transparent and secure tracking of materials from suppliers to end customers.

8. Artificial Intelligence (AI) and Machine Learning (ML):

- Employing AI and ML to predict demand, optimize inventory levels, and forecast potential supply chain disruptions.

Module 3: Practical Applications

9. Advance Warehouse, Store & Material Management Project Development

- Developing and implementing Advance Warehouse, Store & Material Management projects.

10. AI Applications in Advance Warehouse, Store & Material Management

- Enhancing Advance Warehouse, Store & Material Management solutions with AI.

11. Data Analysis and Visualization

- Analyzing Advance Warehouse, Store & Material Management data and visualizing results.

12. Business Intelligence Applications

- Using Advance Warehouse, Store & Material Management data for decision making.

Module 4: Capstone Project

13. Integration of Learned Skills

- Apply tools and techniques to real-world Advance Warehouse, Store & Material Management .

14. Advanced Advance Warehouse, Store & Material Management Systems

- Developing complex Advance Warehouse, Store & Material Management systems.

15. Cloud Data Management

- Utilizing cloud platforms for scalable Advance Warehouse, Store & Material Management solutions.

16. AI for Advance Warehouse, Store & Material Management

- Implementing AI solutions in Advance Warehouse, Store & Material 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. Advance Warehouse, Store & Material Management Project Management

- Leading Advance Warehouse, Store & Material Management projects, ensuring successful delivery.

20. Advance Warehouse, Store & Material Management for Smart Cities

- Developing Advance Warehouse, Store & Material Management solutions for smart city applications.

Websites:

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