

# Emerging Business

## Digital transformation & Servitization in Industrial Manufacturing

### Curriculum

#### **Module 1: Fundamentals of Digital transformation & Servitization in Industrial Manufacturing**

##### **1. Digital Transformation**

- The integration of digital technologies into all areas of a business, fundamentally changing how you operate and deliver value to customers.

##### **2. Servitization**

- The transformation of a company's business model from selling products to providing a combination of products and services .

##### **3. Integration of Digital Technologies**

- Connecting physical assets to the internet to collect and exchange data

##### **4. Business Model Innovation**

- Moving from selling products to offering comprehensive solutions that include services such as maintenance, training, and consulting.

#### **Module 2: Advanced Digital transformation & Servitization in Industrial Manufacturing**

##### **5. Industrial Internet of Things (IIoT)**

- Connecting manufacturing equipment and systems to the internet to collect and analyze data in real-time.

##### **6. Artificial Intelligence (AI) and Machine Learning (ML)**

- Using AI and ML algorithms to analyze data, predict trends, and optimize processes.

## **7. Advanced Analytics**

- Leveraging big data analytics to uncover patterns and insights from large datasets.

## **8. Cloud Computing**

- Utilizing cloud platforms to store and manage data, applications, and services.

## **Module 3: Practical Applications**

### **9. Digital transformation & Servitization in Industrial Manufacturing Project Development**

- Developing and implementing Digital transformation & Servitization in Industrial Manufacturing projects.

### **10. AI Applications in Digital transformation & Servitization in Industrial Manufacturing**

- Enhancing Digital transformation & Servitization in Industrial Manufacturing solutions with AI.

### **11. Data Analysis and Visualization**

- Analyzing Digital transformation & Servitization in Industrial Manufacturing data and visualizing results.

### **12. Business Intelligence Applications**

- Using Digital transformation & Servitization in Industrial Manufacturing data for decision making.

## **Module 4: Capstone Project**

### **13. Integration of Learned Skills**

- Apply tools and techniques to real-world Digital transformation & Servitization in Industrial Manufacturing .

### **14. Advanced Digital transformation & Servitization in Industrial Manufacturing Systems**

- Developing complex Digital transformation & Servitization in Industrial Manufacturing systems.

### **15. Cloud Data Management**

- Utilizing cloud platforms for scalable Digital transformation & Servitization in Industrial Manufacturing solutions.

## **16. AI for Digital transformation & Servitization in Industrial Manufacturing**

- Implementing AI solutions in Digital transformation & Servitization in Industrial Manufacturing .

### **Websites:**

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