Industry 4.0 IT Readiness
32 hours (4 days)

Training Description:
With the pace of digital disruption in most industries today, companies are faced with the challenge of how to remain relevant in these times of change. This course delivers insights on the possibilities of leveraging new "industry 4.0" capabilities to help grow revenue, reduce costs, improve customer sentiment, or increase time to market. This course will provide an overview of these new industry capabilities: Advanced Robotics, Data Analytics, Cyber Security, Additive Manufacturing, Augmented Reality, Horizontal / Vertical Integration, Industrial Internet of Things, Simulation and Cloud. The course will highlight some examples of these capabilities with a focus on how to address critical key building blocks needed to start on the journey. The training will assess the company's current state and determine readiness by evaluating against a set of critical building blocks needed to achieve success.

Training Objective:
This training will focus on developing a deeper understanding of the company's IT landscape and operating model to assess readiness for implementing Industry 4.0 capabilities. Participants will attain an understanding of the importance of capabilities such as: network, application architecture, data strategy, device strategy, data center, disaster recovery, and security. They will also learn how these building blocks support delivering more advanced capabilities.

Skill Attainment:
This training will provide a brief overview of Industry 4.0 and benefits of the key capabilities. In addition, the training will provide an understanding for what foundational capabilities the company needs to advance their digital roadmap.

Skills include:
- Understanding the importance of the network architecture needed to support IIoT and other capabilities
- Build appreciation for a data strategy and how to grow from static reporting, to predictive and prescriptive analytics and insights
- Increased knowledge of application architecture and how this supports process improvements and horizonal and vertical integration
- Understanding of a cloud strategy and how it enables improved speed and collaboration
- Awareness of possibilities for automation in their environment
- Insights on new, more agile ways of working to better promote collaboration, speed to market, and innovation

Training Content:

- Classroom training to cover the Industry 4.0 capabilities, and critical foundational elements for success. Training to review maturity against the key foundational capabilities (network, application architecture, data strategy, device strategy, data center, disaster recovery, and security) and recommendations for areas of opportunity.
- One on one or small group sessions to assess how the company's existing IT landscape supports achieving the vision and to review key priorities and explore possible solution options