



Industry 4.0 & IIoT for Manufacturing

Code: I4ITM

Duration: 16 Hours

Synopsis:

As Industry 4.0 unfolds, computers are connected and communicate with one another to ultimately make decisions without human involvement.

A combination of cyber-physical systems, the Internet of Things and the Internet of Systems make Industry 4.0 possible and the smart factory a reality. Smart machines that keep getting smarter as they get access to more data, our factories will become more efficient and productive and less wasteful. Ultimately, it's the network of these machines that are digitally connected with one another and create and share information that results in the true power of Industry 4.0.

This workshop will provide participants with a brief overview of the fourth Industrial Revolution. Participants will gain an understanding of Industry 4.0 and its revolutionary implications to businesses, economy, and workforce.

Course Objective:

On completion of this course, learners will be able to:

- Create digital plans, business case, ROI frameworks.
- Evaluate and criteria to select various technologies.
- Converse with internal stakeholders and external vendors.

Course Outline:

This course will cover:

- Understand the concept and various areas of Industry 4.0.
- Analyze Industry 4.0 approach and framework relevant to manufacturing.
- Identify the different players and technologies in the ecosystem.
- Initiate the conversation on Industry 4.0 with customers and colleagues.
- Communicate with different solutions vendors and select tech in all 7 layers based on the application.

For Whom:

Business Unit Leaders, Strategy planners, Project Managers, Program Managers, Solutions Architects & Pre-Sales Consultants, Senior Training and Development Leaders

Entry Requirements:

Participants are assumed to be working professionals preferably with engineering background.

Training Medium:

This course is conducted in English.

Training Methodology:

This course is delivered through mini-lectures, group activities and role-play.

Essential Requirement:

Participants are required to bring their personal laptop for the work assignment.

Assessment Methodology:

A work assignment and presentation are conducted at the end of the course.

Certification:

A Certificate of Proficiency from ELITC & AllThingsConnected will be awarded to trainees upon completing and passing the assessment. Otherwise, a Certificate of Participation will be issued to those who attained a minimum attendance of 75%.