

# Introduction to the Digital Era

A 2-day training course for corporations, government organizations, and medium-sized enterprises

## Course Objectives

- Delve deeper into the concept of Internet-of-Things (IoT)
- Understand the concept of Big Data
- Discover valuable insights on the Industry 4.0 wave
- Grasp useful information on blockchain technology and cryptocurrency
- Have a better understanding of the technology of Augmented Reality (AR)
- Explore valuable information on the Artificial Intelligence (AI) technology

## Who Should Attend

Executives and non-executives from all management fields, both technical and non-technical

## Module Outline

### Module 1: The Internet-of-Things (IoT)

- How does it work?
- Features of IoT
- Common application of IoT solutions

### Module 2: Big Data

- Understanding the concept of big data
- 4 Dimensions of big data
- Big data applications

### Module 3: Industry 4.0

- History of the industry wave
- Benefits of Industry 4.0
- Application of Industry 4.0

### Module 4: Blockchain Technology

- History of blockchain
- The blockchain technology
  - Elements in a blockchain
  - Processes involved in a blockchain technology
  - Advantages of blockchain technology
- Industries that the blockchain technology will disrupt

### Module 5: Cryptocurrency

- Overview of cryptocurrency
- Examples of cryptocurrencies in the world
- Issues on cryptocurrencies

### Module 6: Artificial Intelligence (AI)

- Definition and history of AI
- The four levels of AI evolution
  - Reactive AI
  - Limited Memory
  - Theory of mind (predicted future technology)
  - Self-aware (predicted future technology)
- Issues and concerns concerning AI

### Module 7: Augmented Reality (AR)

- Augmented Reality (AR) VS Virtual Reality (VR)
- Types of AR
  - Projection-based AR
  - Recognition-based AR
  - Location-based AR
  - Superimposition-based AR
- AR applications