

## Certificate Course in Internet of Things

# IOT

## Internet of Things

### Objectives

- The primary objective of this Introduction to IoT Training Course is to give participants insights into the bright and exciting future of the Internet of Things (IoT).
- To familiarize participants with IoT concepts, its origin, impact, methodologies and tools, and how IoT is integrated into business applications to improve business results.
- To teach the basic coding of Internet of things [IOT] in a network to integrate devices with Internet using sensors and software.

### Course Content

- Introduction to the Internet of Things (IoT)
  - ❖ Origins of IoT
  - ❖ Communication among IoT
  - ❖ IoT Designs
  - ❖ Building blocks of IoT
  - ❖ IoT frameworks
  - ❖ Security considerations of IoT
  - ❖ Real – world uses of IoT
  - ❖ How to Adopt IoT
- Introduction to the IoT and Embedded Systems
- Programming with IoT Boards
- Understanding the basics of writing code with IoT.

### Scope

- Apply in real life for necessary knowledge, abilities, and skills to design and deploy IoT networks.
- Get insight of the latest technologies and IoT trends in IT industry.
- Understand how to connect your IoT gadgets to the internet using Ethernet or Wifi.
- Used in Supply chain management, Smart home, Smart city, Wearable technology, connected car and Industrial, agricultural and commercial management.

### Career Opportunities and Employability

After the completion of Internet of Things (IoT) course, participants will be able to get insight about the entry level or fresher's role and skills about the Internet of Things in IT industry. Participants will be able to connect IoT devices with other devices by using some basic coding and their own logic and skills.

  
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