

Certified Wireless IoT Solution Expert



Online Course

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Course Modules



1.Introduction to Internet-of-Things (IoT)

- What is Internet-of-Things?
- Advantages and Disadvantages of IoT
- Challenges in IoT

2.IoT Architecture and Design

- IoT Key Components
- IoT Layer Architecture
- IoT Middleware

3.IoT Protocols

- What are IoT Protocols?
- Communication Protocol
- Data Link Protocol
- Networking Layer Protocols
- Transport Layer Protocol
- Application Layer Protocol



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4.IoT and Cloud

- Concept & Architecture of Cloud
- Cloud service providers
- Fog, Edge and Grid Computing



5.IoT & Smart Grid

- What is Smart Grid?
- Communication Technologies of IoT-aided Smart Grid System
- Architecture of IoT-aided Smart Grid System
- IoT and Non-IoT Technologies for Smart Grid

6.Arduino and Raspberry Pi

- Introduction to Arduino
- Types of Arduino Boards
- Introduction To Raspberry Pi
- Raspberry Pi Models
- Comparison between Raspberry Pi and Arduino

7.Use Case of IoT

- IoT & Healthcare
- IoT & Smart Homes
- IoT & Agriculture
- Future Direction of IoT

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**The efficiency of online learning
in terms of time management,
flexibility, and the ability
to access resources anytime,
anywhere can be compelling.**



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