
IoT and Blockchain Training

Duration: 1 Day Course Code: U67100G

Overview:

In this course, you'll learn about two emerging technologies, the Internet of Things (IoT) and Blockchain. Following an overview of these technologies, you'll learn how Blockchain holds the potential to securely unlock business and operational value of IoT to support common tasks, such as sensing, processing, storing information, and communicating.

Target Audience:

This course is intended for business and technical leadership who are seeking to understand how IoT and Blockchain can work together to drive extended value.

Objectives:

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| ■ What you will learn in this course: | ■ What is Blockchain? |
| ■ What is IoT? | ■ IoT and Blockchain benefits |
| ■ Current IoT landscape | ■ IoT and Blockchain use cases |
| ■ IoT architecture and design standards | |
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Prerequisites:

There are no prerequisites for this course.

Content:

What is IoT?

- Internet of Things overview
- IoT History

How does IoT work?

- Components of an IoT device

Current IoT landscape

- Growth area
- Privacy concerns

IoT design standards

- Zigbee networking protocol
- Thread group
- AllSeen Alliance/AllJoyn
- Open interconnect consortium/IoTivity
- Industrial internet consortium
- ITU-T SG20
- IEEE P2413
- Apple HomeKit

IoT design questions

- Questions to help you design an IoT solution

IoT architecture

- Stage 1 - Data generation (sensors/actuators)
- Stage 2 - Data acquisition systems
- Stage 3 - Edge processing
- Stage 4 - Long-Term data storage and Blockchain

What is Blockchain?

- History of Blockchain

How does Blockchain work?

- Benefits of Blockchain
- Blockchain vs. conventional technology

IoT and Blockchain benefits

- Benefits of adding Blockchain to IoT
- Trust building
- Cost reductions
- Accelerate data exchanges
- Scaled security for IoT

IoT and Blockchain use cases

Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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