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IOT And Blockchain

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.

What will I learn?

LESSON 1

What is IoT?: Internet of Things overview IoT History

LESSON 2

How does IoT work?: Components of an IoT device

LESSON 3

Current IoT landscape: Growth area Privacy concerns

LESSON 4

IoT design standards: Zigbee networking protocol Thread group All - Seen Alliance/AllJoynity Industrial internet consortium ITU-T SG20 IEEE P2413 Apple

Key features

- ✓ Live Online Training with a real person - not dull e-learning
- ✓ Fully certified trainer
- ✓ Get key skills and practical knowledge
- ✓ This course is available for groups and 1-2-1 live online
- ✓ Course materials included
- ✓ Recognised course certificate

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HomeKit

LESSON 5

IoT design questions: Questions to help you design an IoT solution

LESSON 6

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

LESSON 7

What is Blockchain?: History of Blockchain

LESSON 8

How does Blockchain work?: Benefits of Blockchain
Blockchain vs. conventional technology

LESSON 9

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

LESSON 10

IoT and Blockchain use cases