

## CertNexus IoTPro

### Overview:

The Internet of Things (IoT) promises a wide range of benefits for industry, energy and utility companies, municipalities, healthcare, and consumers. Data can be collected in extraordinary volume and detail regarding almost anything worth measuring, such as public health and safety, the environment, industrial and agricultural production, energy, and utilities. New data analysis tools have been optimized for the massive amounts of data that IoT produces, enabling well-informed decisions to be made quickly.

Before you can successfully plan and implement an IoT solution, you must understand the various factors that will drive your decisions. But putting IoT systems into place can be a complicated proposition with unique considerations distinctly different from traditional IT solutions.

Business professionals often have little or no foundation for understanding of the components and design decisions that go into an IoT project. They may have a traditional understanding of IT solutions which includes knowledge of networks, cloud computing, and applications running on servers, desktop computers, and mobile devices.

### Objectives:

The half day course and associated credential will validate a participant's knowledge of general strategies for planning and undertaking an IoT implementation including the IoT ecosystem, terminology and business considerations. Successful participants will be able to identify what IoT can do for their organization and the various business and technical challenges to address.

### Target Student

This course is designed for business professionals with baseline skills in computer hardware, software support, and development who want to learn the business advantages and technical challenges of planning and implementing Internet of Things devices and related systems. The student is interested in learning more about terminology, components benefits and challenges of IoT.

### Course Content

#### Lesson 1: Planning an IoT Implementation

Topic A: Select a General Architecture for an IoT Project

Topic B: Identify Benefits and Challenges of IoT

#### Lesson 2: Undertaking an IoT Project

Topic A: Identify Real World Applications for IoT

Topic B: Follow the IoT Development Lifecycle