



*Vendor-Neutral Global IT Certifications*

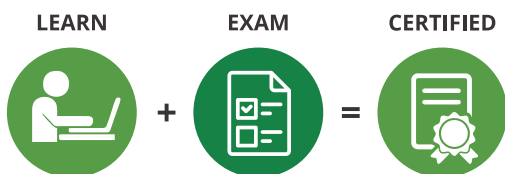
**Star Expert IoT Specialist**

**Get into Internet of Things**

LEARN  
Machine 2 Machine  
COMMUNICATION



Exam Code: S08-514



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# Star Expert IoT Specialist

We live in an increasingly connected world filled with sensors collecting and communicating data about us. Today, IoT is everywhere and is silently changing the way things have been working. There's a huge economic potential offered by the IoT. It is estimated that by 2025 there'll be 75 billion objects will be connected to the Internet.

**Star Expert IoT Specialist (SEIS)** is a certification program that introduces learners to the key concepts of Internet of Things (IoT). The program helps the learners acquire a fundamental understanding of IoT systems from sensors to SoC board integration, further to constrained IoT environment. The SEIS program also guides the learners to create web interface to IoT system and perform data analytics on the data collected from millions of sensors.



**Audience:** Audience: SEIS assumes that learners have some basic understanding of IoT and its applications. No prior programming skills is required to learn this course.

## Course Objectives:

In this course, you will learn about:

- Fundamentals of IoT, its architecture and its applications
- Embedded systems and IoT boards
- Arduino and Raspberry Pi
- Different IoT operating systems
- Data analytics in IoT
- IoT cloud platforms and network virtualization

## Course Outcome :

After completing this course, you will be able to:

- Explain IoT, its architecture and its applications
- Understand embedded system concept
- Describe connectivity and networks in IoT
- Design and deploy Arduino based-systems
- Use the Raspberry Pi platforms
- Understand IoT boards, cloud platforms and operating systems
- Use the CupCarbon simulator
- Perform data analytics with Splunk

## Course Outline :

1. Exploring Internet of Things and Its Architecture
2. Describing IoT Boards
3. Introduction to Arduino
4. Interfacing with Arduino
5. Introduction to Raspberry Pi
6. Interfacing with Raspberry Pi Board
7. Exploring Operating Systems of IoT
8. Introducing IOT Cloud Platforms
9. Exploring CupCarbon Simulator
10. Big Data Analytics in IoT
11. Network Virtualization, SDN, and IoT
12. Cybersecurity and Blockchain in IOT

## Exam Information:

Exam Code	: S08-514	Exam Pattern	: Multiple Choice
Exam Duration	: 2 Hrs	Exam Delivery	: AEPTC (ACADEMIC EDUCATION & PROFESSIONAL TESTING CENTER)
Passing Score	: 70%		

**Course Duration :** 40 Hrs