



# Internet of Things Foundation

## 2-Day Intensive Certification Course

GuruTeam course code: GTIOT

### Course Overview

**This instructor-led Internet of Things Foundation certification training course provides an overview and insight into the emerging technology. This course covers the basic concepts, terminology, and key components of IoT.**

It explains the business perspectives of IoT including the advantages of early adoption and monetization models. It further expands on the technologies enabling IoT and the various challenges to expect.

Several scenarios describe the use cases and applications of IoT that result in smart applications and services to inspire organizations making the move to IoT.

This interactive and thought provoking course provides future insights in IoT and forecasts the status of the connected world in 2020.

This course includes:

- Group discussions
- Lab activities to allow you to experience IoT applications: These are in-class lab exercises which will allow participants to experience IoT applications.
- Case scenarios around IoT
- Module End Questions

### Learning Objectives

At the end of this course, you will be able to:

- Define concepts and terminologies of IoT.
- Examine new devices and interfaces that are driving IoT growth.
- Relate to business perspectives of IoT (advantages of early adoption of IoT technologies).

- Predict implications of IoT for your business.
- Examine the role of enabling technologies for IoT, such as cloud computing and Big Data.
- Identify security and governance issues with IoT.
- Examine future growth opportunities of IoT in the coming years.



INTERNET OF THINGS FOUNDATION

### Upcoming course dates:

See **SCHEDULE** at [GuruTeamIRL.com](http://GuruTeamIRL.com) or call Neasa on **+353 (0)1 402 9423**.

**Courses available in Ireland, UK and Europe, both on and offsite.**

## Target Audience

This Internet of Things Foundation course is most interesting for business and management professionals, including:

- Application Consultant
- Business Analyst
- Business Process Architect
- Developer
- Developer Consultant
- Enterprise Architect
- Program / Project Manager
- Solution Architect
- System Administrator
- System Architect
- Technology Consultant
- User

## Duration

2 Days

## Prerequisites

Basic knowledge of Internet concepts (Difference between Internet and Web, URL, Http/Https, DNS, etc.), Cloud Computing characteristics, Big Data concepts, Networking concepts (LAN/WAN/MAN, routers, protocols, topologies, etc.)

## Accreditation

The Internet of Things Foundation Certification exam is delivered and evaluated by Cloud Credential Council (CCC). The exam voucher is bundled with your training. You will receive the required certification on successful completion of the Internet of Things (IoT) Foundation exam.

## Exam

The Internet of Things Foundation exam is delivered and evaluated by Cloud Credential Council (CCC). The exam voucher is bundled with your training. Successfully passing (65%) the 75-minute exam, consisting of 25 multiple-choice questions, leads to the Internet of Things Foundation Certification.

## About the CCC

The Cloud Credential Council (CCC) is a global community driven organization that empowers companies in their digital transformation journey. We do this by offering vendor-neutral certification for IT Professionals including Cloud, Big Data, and IoT.

**GuruTeam is an Accredited Training Partner with the Cloud Credential Council since 2013.**

## Course Outline Summary

### Course Introduction

#### Concepts and Terminologies

- Introduction: Internet, Things, and IoT
- IoT Types, History and Evolution of IoT
- Cyber-Physical Systems and Differences Among IoE, M2M, and IoT
- Facts and Figures Around IoT and IoT Application Areas

#### Business Orientation

- Drivers of IoT
- Benefits of a Connected World
- IoT Business: Opportunities, Benefits, and Challenges
- IoT Monetization Strategies and Models

#### Basic Building Blocks of IoT-Architecture

- Architecture of IoT Components
- Network Protocols Within IoT

#### Enabling Technologies of IoT + Lab Activities

- Role of Social Media and Mobility in IoT
- Defining SMACT
- Role of Big Data and Analytics in IoT
- Role of Cloud Computing in IoT

#### IoT Security and Top Governance Issues

- IoT Security Challenges
- Causes of IoT Security Breaches
- IoT Security Risks

#### IoT Case Studies and Future Predictions

- IoT Usage Scenarios
- IoT Growth Perspectives
- IoT Future Predictions

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*GuruTeam are specialists in delivering learning, mentoring and consultancy services in Cloud, Linux, Big Data, DevOps, Kubernetes, Blockchain, IoT, Security, GDPR, Architecture, Software and Web Development Technologies.*

### Contact us to learn more...

Tel: +353 (0)1 402 9423  
+353 (0)91 395 536

Neasa Glynn: +353 (0)87 413 2432

Catherine Ascough: +353 (0)87 832 8545

Email: hello@GuruTeamIRL.com

### Dublin

Harcourt Centre,  
Block 4,  
Harcourt Road,  
Dublin 2,  
Ireland.

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### Cork

NSC Campus,  
Mahon  
Cork,  
Ireland.

### Galway

Tara Rock 7,  
Galway  
Technology Park,  
Parkmore,  
Galway.

### Belfast

Forsyth House,  
Cromac Square,  
Belfast  
BT2 8LA,  
Northern Ireland.