

CCC Internet of Things Foundation™2

Course Learning Objectives

- At the end of this course, you will be able to.
- Define the fundamental concepts, definitions, evolution and terminologies of IoT.
- List the IoT key drivers and business perspectives including monetization models.
- Understand the architecture (basic building blocks) and working of IoT.
- Understand various communication and network protocols of IoT.
- Examine how the capabilities of IoT get enhanced when combined with digital transformative technologies such as Cloud Computing, Big Data, Artificial Intelligence (AI), 5G, Blockchain, Digital Twin, Robotic Process Automation (RPA), and others.
- Identify IoT security issues and the appropriate mitigation measures and best practices.
- Examine IoT case studies and future growth opportunities in the coming years.

Course Agenda

Day 1

Module	Subject	Start	End	Total Time (in hours)
01	Course Introduction	09.00	09.30	0.30
02	Concepts and Terminologies	09.30	10.30	1.00
03	Business Orientation	10.30	11.30	1.00
04	Basic Building Blocks of IoT Architecture	11.30	13.00	1.30
	Lunch and Break	13.00	14.00	1.00
05	IoT Protocol Stack and Network Connectivity Protocols	14.00	16.30	2.30
	Q&A	16.30	17.00	0.30
	Total(Less Lunch and Break)			7.00
	Total			8.00

Day 2

Module	Subject	Start	End	Total Time (in hours)
	Recap(Day 1)	09.00	09.30	0.30
06	IoT and Digital Transformative Technologies	9.30	11.30	2.00
07	IoT Security	11.30	12.30	1.00
	Lunch and Break	12.30	13.30	1.00
07	IoT Security	13.30	14.30	1.00
08	IoT Case Studies and Future Predictions	14.30	15.30	1.00
	EPG and Q&A Session	15.30	16.00	0.30
	Mock Exam	16.00	17.00	1.00
	Total(Less Lunch and Break)			7.00
	Total			8.00