Fundamentals of IoT – Level 1

Duration: 2 Day

DESCRIPTION

IoT or Internet of Things is the next best thing. The world is getting ready for the new technical revolution everywhere. Factories to cars and homes to wearable's, everything is becoming smart. A new era has arrived where we can design and define our own devices and technical solutions at next level. The know-how of IoT gives an opportunity to innovate solutions for every spectrum. IT companies have also started including IoT as one of the preferred skills for their employees. Hence, IoT can be a promising career option in coming span of time.

This course is for anyone who wants to start with IoT as a self-paced hobby or career. One of the key features of this course is to understand the concept of open source hardware and get introduced to a variety of development boards and credit card sized computers with the practical implementation of a solution. The building blocks for any IoT projects are electronics like sensors, actuators, motors, etc. and many of these chief components are explained well in all perspectives during the course. By the end of the course, one gets the wings of innovation to think, try and develop something new for the world.

OBJECTIVES

- To differentiate between different development boards
- To physically recognize and understand the use cases of different sensors, actuators, solenoid valve and power adapters
- To install NOOBS / Ubuntu / Windows 10 IoT operating system and setup a Raspberry PI board
- Understand the architecture of IoT solutions
- Learn about various technologies helping IoT grow
- Implement an IoT solution practically

COURSE OUTLINE

- What is IoT?
- Open source hardware
- Building components for IoT (Types, Purpose and Application)
- Lab 1: Setting up first Raspberry Pi
- Holographic computing
- Communication protocols used in IoT
- Advance technologies and concepts building up the IoT
- Lab 2: Creating a live IoT solution

WHO SHOULD ATTEND

- Software Developers aspiring to code IoT programs

- IT Professionals engaging in IoT projects

- Mechanical / Electrical Engineers / Students looking out to automate, monitor or remote control equipments

- Any individual who needs brief idea on the concept for product development or career enhancement

PREREQUISITES

- No pre-requisites for Level 1

TRAINING CALENDAR

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TESTIMONIALS

" I am new to this technology, but I have understood the basics of Cloud Computing in Level 1 training session and would like to continue with Level 2 and Level 3. The trainer has immense knowledge of the product. "

- Brahmanandam (Team Lead, Aditya Birla Minacs)

" It is a good introductory training on Cloud Computing and a nice refresher even for those who are working in this domain. The trainer has good overall knowledge of Cloud industry and evolution of this business. This helps in covering the breadth of topics easily. "

- Nagarajan Ramachandran (IBM)

" Trainer was well organized in terms of what he planned to cover. The whole training was very well structured and paced to take the students through the fundamentals. He has very good knowledge of the subject. "

- Bhupesh Jadhav (Intuit)

For training inquiry, please email us at: sales@cloudthat.in

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