

Internet of Things - Bootcamp

# Pre-Requisites:

* Computer and IT Knowledge
* Internet knowledge
* Internet usage skills

# Course Content:

The goal of this 2 day bootcamp is to unleash the buzz word “IOT” and understand the components involved in IOT. The bootcamp covers all aspects of IOT which one needs to learn to be a part of greater IOT revolution that is inevitable now. The bootcamp highlights IOT initiatives, IOT Ecosystem, IOT Security, best practices and practical real world examples and use cases

# Course Outline:

* + What is IOT
  + Why IOT Hype
  + IOT Initiatives
  + How IOT works
  + IOT Architecture
  + Who is adopting and what are their challenges
  + Things to consider before implementation
  + Building an IOT ecosystem
  + Security and Privacy
  + Analytics in Digital Era
  + Sensors and Raspberry Pi
  + Home Automation
  + IOT platforms
  + Edge computing and Latest IOT Trends
  + Future IOT Projects and Initiatives
  + Best Practices

Labs

* + - Real project in class with Raspberry Pi provided to each participant
    - Configuration of Raspberry pi
    - Adding Sensors
    - Control Sensors using Python program
    - Connecting to IOT Platform