

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