IoT Course Curriculum Consists of:

- An overview of what is Internet of Things (IOT) and how it actually works and its impact on customers & businesses
- Detailed explanation of each layer of IoT and its role
- Understanding of how each sensors (like Temperature, Light, Humidity, IR, Ultrasonic, etc), End nodes
  (includes MicroController like Arduino) and Gateways (include Raspberry PI and BeagleBone) work.
- Technical details of Internet of Things technologies used for communication, different protocols and their applications
- Introduction to Cloud and Cloud Platforms. How IoT components select cloud platform according to the requirements of application
- How secure are IoT devices? Security threats and mitigations of IoT
- Demonstration of how IoT components works with Cloud Platform and post data using WIFI connectivity

All the programs focus on Learning by doing, and we provide IoT Lab access. The programs are delivered through Instructor led online sessions and real experimental learning in the Lab.

- Certified IoT Systems Design Program
- Basics & understanding Internet of Things (IoT) design & Applications
- Embedded Systems design for IoT : Microcontrollers, End Nodes, Gateways
- Wireless Technologies & Applications for IoT
- Networking Technologies & Protocols for IoT
- Big Data & Cloud Computing for IoT
- Mobile App Development for IoT Applications
- ARM Microcontrollers for IoT Applications