

## **IoT Syllabus - 1**

**Understanding the Internet of Things (IoT)**

**Basics of Programming Required**

**Electronics - Understanding Resistors, Capacitors, Transistors, Relays etc**

**Using a Breadboard & components**

**Introduction to NODEMCU**

**Setting Up NODEMCU**

**How to Flush NODEMCU**

**Testing the NODEMCU**

**Setup a Webserver using NODEMCU ESP8266**

## **IoT Syllabus - 2**

**Serial Monitoring, Reading Analog and Digital Inputs**

**Create your first Network Station**

**Controlling a Relay Using Wireless Router**

**Connecting a LCD Screen with NODE**

**Printing a message to LCD Screen**

**Scroll a Text on LCD**

**Transfer Room Temperature data to webserver.**

**Controlling High Voltage Equipments Remotely (Computer / Mobile)**

**Controlling Electrical Equipments Using Smartphone Over Internet**

**Planning Smart Home System**

**How to Implement Smart Home System.**