

# Gandhinagar Institute Of Technology, Gandhinagar

## TECHNICAL DETAILS

- \* Introduction to Internet of Things (IoT).
- \* Introduction to Sensor & Actuator.
- \* Introduction to Cloud Computing.
- \* Arduino Open Microcontroller Platform.
- \* Programming Fundamentals (C Language).
- \* Programming Arduino.
- \* Talking to your Android Phone with Arduino.
- \* Communication with Cloud Server.
- \* Project: Integrating Sensor & Reading Environmental Physical Values.
- \* Project: Reading Environmental Values on Android Smartphone.
- \* Project: Voice Controlled Home Automation using Android Smartphone.
- \* Project: Control Electronic Devices using Localhost Web Server for Home Automation.
- \* Project: Tweet Sensor Value on Twitter through Arduino.
- \* Project: Send Voltage & Sensor Values to Cloud Server.
- \* Project: Control Electronic Devices using Internet.

## KIT DETAILS

- Arduino UNO Board
- Ethernet Module
- Temp. & Humidity Sensor
- IR Sensor & Breadboard
- Connecting Wires
- USB Cable
- Other Electronics Components

## ELIGIBILITY

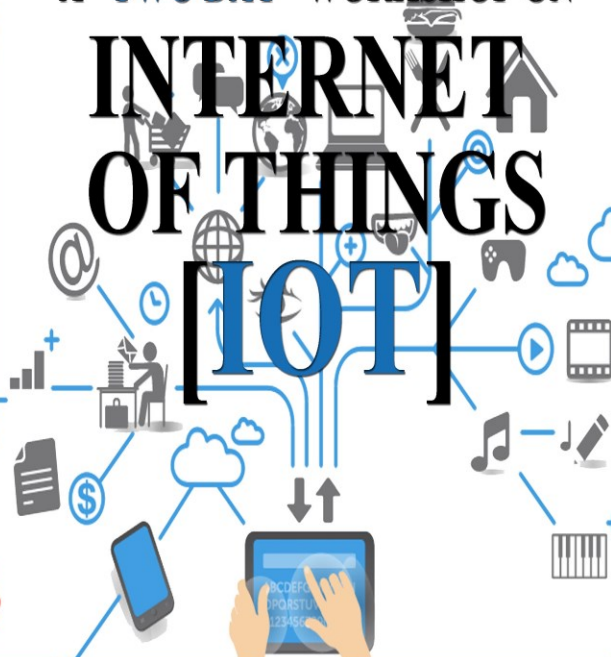
- \* First Year to Final Year Student of any branch can Participate in this workshop.
- \* No Programming Required, Just a Curious Mind.



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## A "TWO DAY" WORKSHOP ON

# INTERNET OF THINGS [IOT]



## WORKSHOP DETAILS

- \* A Two Days Workshop on IoT.
- \* Participation Certificate to All Participants from Innovians Technologies.
- \* Participants will work in a group of 4 during the workshop.
- \* Course Fee Option 2 Includes One Take Away IoT Kit in a group of 4.
- \* At the End of Workshop on Second Day a small competition will be organized and best performing students will get Certificate of Excellence.

## CONTACTS

**Patron : Dr. N.M. Bhatt**  
(Director, GIT)  
**Mentor: Prof. Hardik Bhatt**  
(HoD - EC Dept.)

### Faculty Coordinators

**Pratik Gohel : 8347010890**  
(Assistant Professor, EC Dept.)

**Mitul Maniar : 8347010886**  
(Assistant Professor, EC Dept.)

**Venue:**  
Gandhinagar Institute Of Technology  
Gandhinagar district, Kalol, Gujarat 382721

**Date :**  
**16-17 Feb, 2016**

**COURSE FEE:** **Rs 800 /-** Per Participant  
(OPTION 1) (Without TakeAway Kit)

**COURSE FEE:** **Rs 1000 /-** Per Participant  
(OPTION 2) (With TakeAway Kit in a Group of 4)

\* Option 2 Course Fee Includes 1 Free Take Away IoT Kit Per Team (Group of 4 Participants)

## Pre -Requisite

- \* An Android Smartphone with Working Internet. (Atleast One Smartphone in a group of 4)
- \* Atleast 1-2 Laptop in a group of 4 With LAN Port & USB Port