

**Uka Tarsadia University**

Sponsored

**Two day Workshop**

on

**“Applications of Internet of Things”**

(3<sup>rd</sup> and 4<sup>th</sup> October, 2019)

Organized By



छोटुभाई गोपालभाई पटेल प्रौद्योगिकी संस्थान, बारडोली  
Chhotubhai Gopalbhai Patel Institute of Technology, Bardoli

**Department of Computer Engineering**

**C. G. Patel Institute of technology**

in Association with

**Computer Society of India (CSI)**

**Organizing Secretary**

**Mr.Fenil Khatiwala**

Assistant Professors,  
Computer Engineering Department,  
C. G. Patel Institute of Technology, Bardoli

**October 2019**

## **About Programme**

The primary objective of this **Two day Workshop on Applications of Internet of Things (IoT)** is to help participant to envision and make them capable to be a part of IoT based transformations. The workshop covers the fundamental part to design and develop basic IoT systems using self-designed mote units, using individual mote and interconnect them to develop small area network and connect it with local and/or global cloud in order to gather sensor data for further processing. The content of the workshop is dedicatedly design to deliver the hands on skills to participants for designing and development of IoT systems in association with local as well as global cloud.

**Date:** 3<sup>rd</sup> and 4<sup>th</sup> October, 2019

**Time:** 09:30 AM to 04:00 PM

**Venue:** IOT Laboratory, C Wing, CGPIT

**Organizing Secretary:** Mr. Fenil Khatiwala (Department of Computer Engineering)

**Organizing Committee:**

1. Mr. Vishvajit Bakarola
2. Ms. Niyanta Desai
3. Mr. Mihir Patel
4. Ms. Hiteshwari Gamit
5. Ms. Vidhi Sutaria

**Targeted Audience:**

- 1) UG students of pre-final year
- 2) Diploma students of final and pre-final year

**No. of Participants:**

- 1) UG students – 15
- 2) Diploma students - 05

## Workshop Poster



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# INTERNET OF THINGS

3<sup>rd</sup> & 4<sup>th</sup>  
**OCTOBER**  
**2019**

## 2 DAYS WORKSHOP ON APPLICATIONS OF IOT

Organized by  
Department of Computer Engineering

Registration Fees: 2000 INR

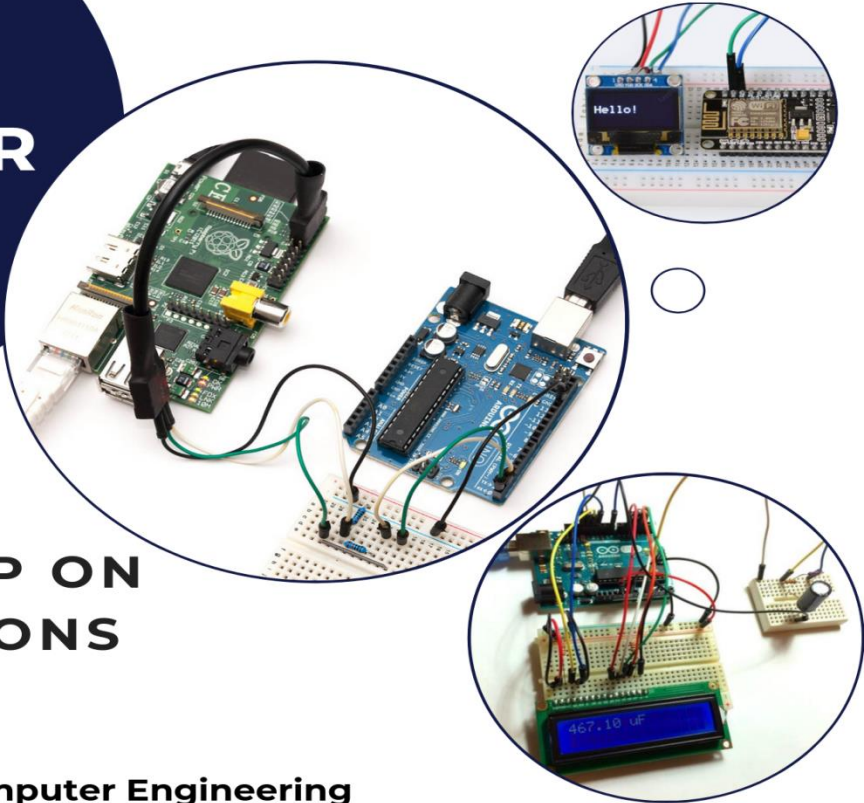
### ORGANIZING SECRETARY

Mr. Fenil Khatiwala  
+91-9979967709

### COORDINATORS

Mr. Vishvajit Bakarola  
Ms. Niyanta Desai  
Ms. Hiteshwari Gamit  
Ms. Vidhi Sutaria

Register Yourself at



## Speaker Profile

### Day 1: Mr. Harsh Shah

Mr. Harsh Patel is an R&D engineer. Currently, He is responsible for adding support for the new file types in Casepoint's processing engine. He has worked on various image processing projects, Algorithm design, HMI programming and IOT applications.

### **Session 1: Introduction to Internet of Things (IoT) and different sensors and actuators.**



### **Session 2: Hands on session: Arduino UNO with ESP-01**



### Session 3: Hands on session: Application based on Arduino





## **Day 2: Mr. Hindustani Modi**

Mr. Hindustani Modi is an R&D engineer in GoldenMace IT Solutions. He is an experienced Research and Development Engineer with a demonstrated history of working in the information technology and services industry. He is skilled in Python, C++, Raspberry Pi, Java, and Management. A strong engineering professional with a B.Tech - Bachelor of Technology focused in Information Technology from UKA TARSADIA UNIVERSITY.

### **Session 1: Introduction to NodeMCU and JSON file format**



### **Session 2: Hands on session: Interfacing of I/O with NodeMCU**



### Session 3: Hands on session: Application based on NodeMCU

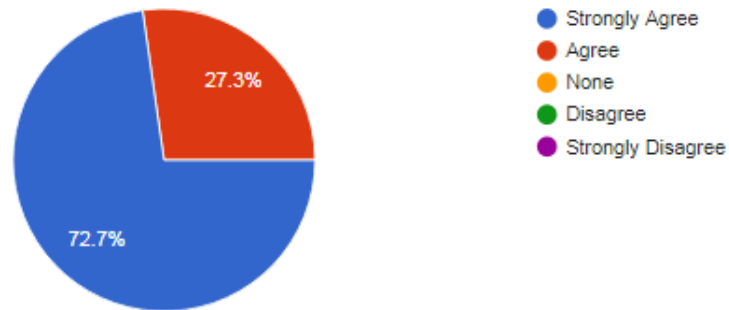


## Feedback Analysis

Day 1(3rd October 2019)

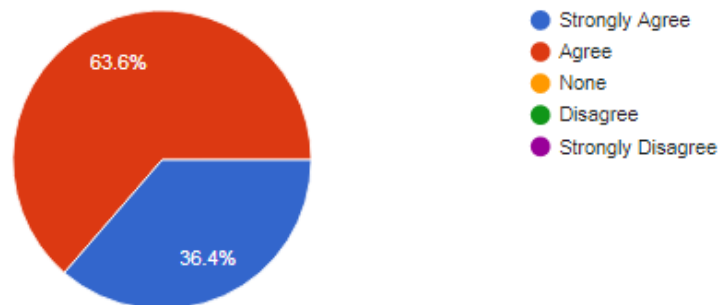
The instructor was knowledgeable on the topic

11 responses



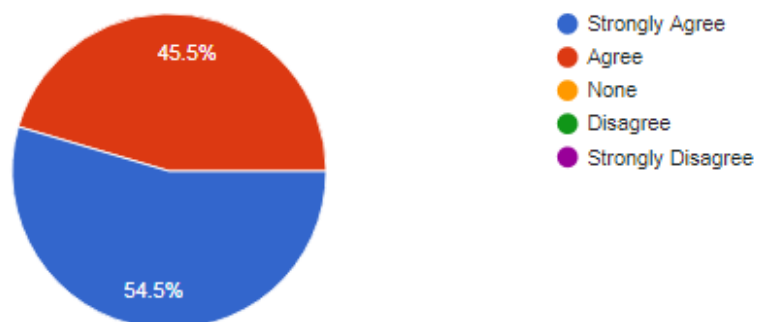
The instructor was a good communicator

11 responses



The material was presented in an organized manner

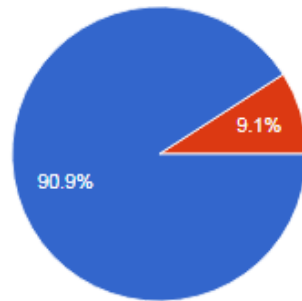
11 responses





The instructor was knowledgeable on the topic

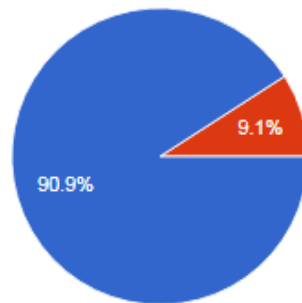
11 responses



- Strongly Agree
- Agree
- None
- Disagree
- Strongly Disagree

The instructor was a good communicator

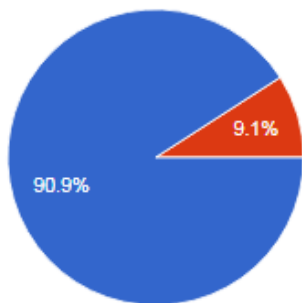
11 responses



- Strongly Agree
- Agree
- None
- Disagree
- Strongly Disagree

The material was presented in an organized manner

11 responses

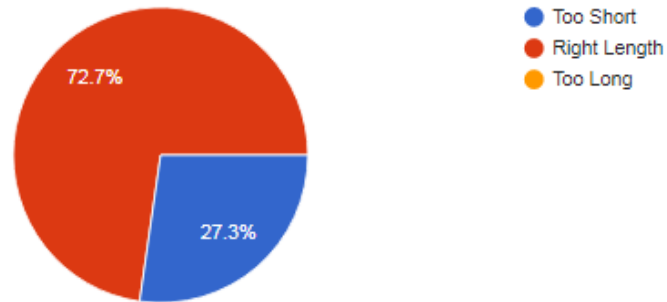


- Strongly Agree
- Agree
- None
- Disagree
- Strongly Disagree

## About Workshop

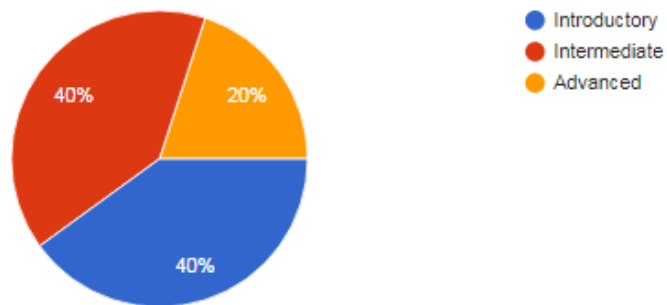
Given the topic, was this workshop

11 responses



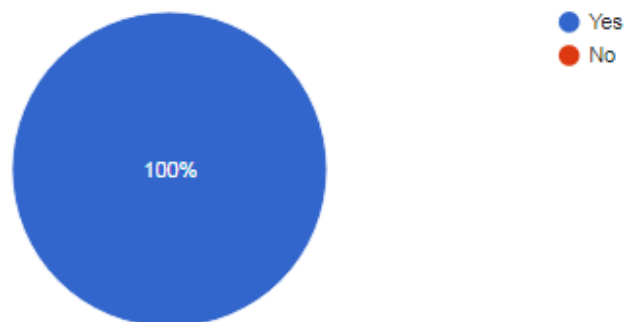
In your opinion, was this workshop

10 responses



I would be interested in attending a follow-up, more advanced workshop on this same subject

11 responses



What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement?

11 responses

No more suggestions for improvement

The content of the workshop was very informative, although the time period was short to cover most of the topics but whatever was covered within the time period was very informative and helpful.

over all best work but utilities like internet is a little bit disappointing.

I enjoyed this IOT workshop, thanks to all Coordinators faculty members, for organising this kind of workshop, and Harsh sir, Modi sir, this guyz are supurb. ☺

It's all are new for me so all topics are interesting & helpful for learning about IOT it was great experience to learn about it. For improvement set lab/class with internet connection. And thank u for organizing this wonderful workshop for us.

Really enjoying the hands on experience in the IOT workshop

Give more focus on by prectical . Other wise all is very Goog .

no

Designing of Circuit and  
Using Speaker instead of LEDs in most of circuits

Suggestion: Teach how to write code and it's logic.

Yeah,The problems we faced regarding internet or wifi.