



Practical
Hand-on Workshop

On

"ThingSpeak - IOT Analytica"
Highlights

See instant visualizations of data posted from the sensors.

Perform online analysis and data processing and create automatic visualizations from live processed data.

Build Internet of Things (IoT) systems without setting up servers or developing web software.

Resource Persons

Mr. Pavankumar Ponnaganti

Founder and CEO, Skyfi Labs

Mr. Shubham Trivedi

Subject Matter Expert, Skyfi Labs

Faculty Coordinator

Dr. B. Meenakshi Sundaram

Assoc. Prof.

Faculty Convener

Dr. V. Asha

Professor & Head

09th April 2021 @ 09:30 AM - 12:30 PM

Conclusions:

The session was very useful. All students participated actively in asking questions and viewing the outputs on their mobile through remote monitoring.



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

A Hands-on Workshop

“Thingspeak – IOT analytics”

In association with Skyfi Labs and CSI

Report on: “Thingspeak – IOT analytics”

Target audiences: IV Semester MCA (2020-21 Even semester) students

Date: 9th April 2021

Timing: 9:30 – 12:30 PM

Mode: ONLINE through Google Meet

<https://meet.google.com/itr-rqqs-bmj>

Faculty Coordinator: Dr.B.Meenakshi Sundaram

Profile of the Guest:

Skyfi Labs

Shubham Trivedi

Subject Matter Expert at Skyfi Labs

shubham@skyfilabs.com

Shubham is currently working a Subject Matter Expert at Skyfi Labs, an education company founded by IIT Kanpur alumni – Pavan Ponnaganti. After graduation our founder spent some time in industry and realized the challenges students in core engineering are facing and started Skyfi Labs to develop products that will help these students. With such a background, Skyfi Labs started as a small start-up in Bangalore and developed a way to train students in core engineering using a combination of great trainers +

several awards for our work and have partnered with prestigious organizations like Boeing, Altair, Mauritius Research Council and IIT Delhi. Our founder has also been a part of AICTE team which drafted a concept paper on UG curriculum.

Shubham is part of a team which is responsible for the Development & Delivery of classroom training programs related to IoT & Embedded Systems. He is also responsible for smooth execution of IoT related training programs in various venues across India.

He is also an expert in the following fields:

- Invehicle Networking
- RFID based systems
- Machine Learning with Tensorflow
- Embedded C
- Python & R Programming
- MATLAB

Objective:

ThingSpeak™ is an IoT analytics platform service that allows you to aggregate, visualize and analyze live data streams in the cloud. ThingSpeak provides instant visualizations of data posted by your devices to ThingSpeak. ... ThingSpeak is often used for prototyping and proof of concept IoT systems that require analytics.

Content:

ThingSpeak is IoT **Cloud** platform where you can send sensor data to the **cloud**. You can also analyze and visualize your data with MATLAB or other software, including making your own applications.

Mr. Shubham started discussing about the embedded systems, wireless network systems, RFID, IOT part of master slave communication, 80 means attention commands, Zigbee technologies, BLE (Bluetooth Low Energy devices) Microcontroller and microprocessor differences, Sensor Technology,

Sanyam Anand has left the meeting

Micrologix RD
the audio board? Each and everything. I will explain you. After that, what is the Yeah yeah. Please tell me.

u talked about, is it similar to the

Meeting details

People (14)

- Sanyam Anand
- Sunny Raj
- Surya Patel
- Surya Patel
- Tejas Komarpal
- Thiruvai Logan
- Uma Chikku
- VIJAYA SHREE S M

Micrologix RD

Pace, okay? If you're talking about node MCU or esp32 model the esp8266 to model work as a microcontroller. So in the esp32 microcontroller, you can integrate more sensors. Just like in audio, we are interfacing esp8266. Okay. So but when we are using esp32 no need to use ordinal board, you can directly control this

Meeting details

People (13)

- Sanyam Anand
- Surya Patel
- Surya Patel
- Tejas Komarpal
- Thiruvai Logan
- Uma Chikku
- VIJAYA SHREE S M
- Vivekanandan

Micrologix RD is presenting

What is Arduino

- Arduino - An open-source Hardware and Software Development Platform
- Microcontroller based kits for building digital devices and interactive objects
- Design kits for building board schematics, PCB files, boards - freely available
- Flexibility to modify the designs

RECOVERY

Micrologix RD

Satyam Anand

But you don't know, 8, Mega 3 to 18.

Micrologix RD

Yeah, so it is an Open Source Hardware and software development, is there? So it is a microcontroller based it

Meeting details

People (30)

Chat

d/s Prasad reddy

Dik

Fatma zarin

Karthik Kulkarni

Kavya Gowda

Micrologix RD

Micrologix RD Presentation

10:22 AM 4/17/21

Micrologix RD is presenting

Structure of ATmega

Micrologix RD

You

Please tell.

Micrologix RD

Okay, I will tell you, okay.

Meeting details

People (51)

Chat

d/s Prasad reddy

Dik

Fatma zarin

Karthik Kulkarni

Kavya Gowda

Micrologix RD

Micrologix RD Presentation

10:31 AM 4/17/21

Head of the Department
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