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Dr. Vitthalrao Vikhe Patil Foundation's

Dr. Vithalrao Vikhe Patil College of Engineering Ahmednagar



Department of Electronics & Telecommunication

Report of Event (Seminar/Workshop/Conference)

Date: - 29/08/2018 to 31/08/2018

Time:-10:00am to 5:00pm

Class:-S.E,T.E & B.E Students

Venue:-Seminar Hall

Nature of Event(SM/WS/Con) :- Workshop

Name of topic:-Workshop on "IoT based Arduino"

Name and Address of Speaker Guest:-

- 1) Mr.Aniket Bhalerao, Model based developer, Synapse Systems, Pune
- 2) Mr. Akash Dane, Model based developer, Synapse Systems, Pune

Name of Staff and Delegates:-**

- 1) Prof.Sunil Kalhapure, Dy.Dir(T), DVVP Foundation, A'Nagar
- 2) Dr. Uday Naik, Principal, DVVP COE, COE, A'Nagar

Staff Coordinator: Prof.C.K.Kalawade

Total Number of Students Present:-58

Description of the Event:-

In this workshop, student will learn modern Internet of Things (IoT) technology, based on Arduino and Android development. This is a hands-on workshop, where students will learn how to create a Bluetooth remote or monitoring device, following a step-by-step learning structure.

Objective of the Event:-

- 1) To update student's knowledge about Internet of Things.
- 2) To introduce different protocols of communication.
- 3) To introduce Arduino Microcontroller and it's programming

Outcomes of the Event:-

- 1) Students will able to understand the concept of IoT
- Students have hands on practice on Arduino microcontroller board & it's programming
- Student can use different inter-facing & protocols Arduino microcontroller in their projects

(Dr. A.K.Patil)

Head of Electronics & Telecommunication Dep P.D.V.V.P. College of Engineering Vilad Ghat, Ahmednagar-414111

PRINCIPAL Dr. Vithalrao Vikhe Patil College of Engineering Ahmednagar To.

Principal,

PDVVP COE,

Ahmednagar.

Subject: About three days practical oriented workshop on Embedded System, Arduino and IOT.

Respected Ma'am,

With reference to the above subject matter, we want to conduct the 3 Days Practical oriented Work Shop on "Arduino and IOT" for your students. We are sending here with a proposal including Workshop Content (Syllabus).

You are requested to go through the same and contact us for any further clarification. With Regards.

Yours faithfully

Akash Dane

Director

Synapse Systems



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Dr. Vithalrao Vikhe Patii

College of Engineering

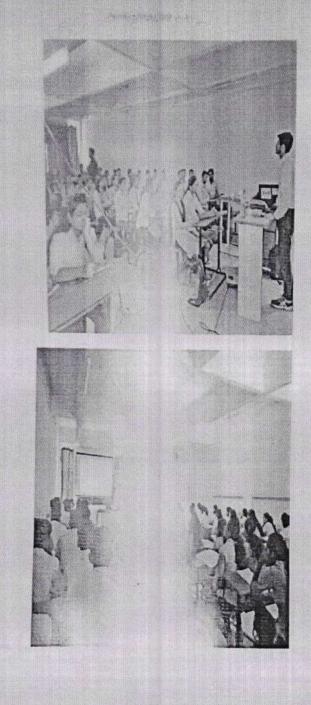
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Workshop Content:

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i	Introduction	1hrs
	Brief Introduction to Embedded systems Introduction to Arduino	
2	Getting Started With Ardumo	2hrs
	 Intro to Ardumo IDE Installation of library and basic commands. Installation of drivers. Basics of Embedded C 	
3	Working With GPIOs	4hrs
	 Interfacing LED Interfacing Buzzer Working With Motors Working With Inputs LCD Working with Analog Sensors 	
5	Working with Digital Sensors Communication Protocols on Ardumo	3hrs
	SerialSPII2C	
5	IOI	4hrs
	 Introduction to Internet Of Things Need of IOT Setting Up Server Data Acquisition on Server. Data Base Management. 	
7	Project	4hrs
	IoT based Smart Agriculture system Smart Stick for Blind	



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Workshop - Internet Of Things by Synapse System

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Date: 30 Aug -2018

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D.V.V.18 College Of Engineering Ahmednagar Department Of Electronics & Telecommunication Attendance Record

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Dates 29 Aug 2018

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