|| न हि ज्ञानेन सदृशं पवित्रमिह विद्यते ||
Dr. Vitthalrao Vikhe Patil Foundation's

Dr. Vithalrao Vikhe Patil
College of Engineering Ahmednagar

Dr. Vithalrao Vikhe Patil
Foundation
Ahmednagar

DTE College Code: EN-5161

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.
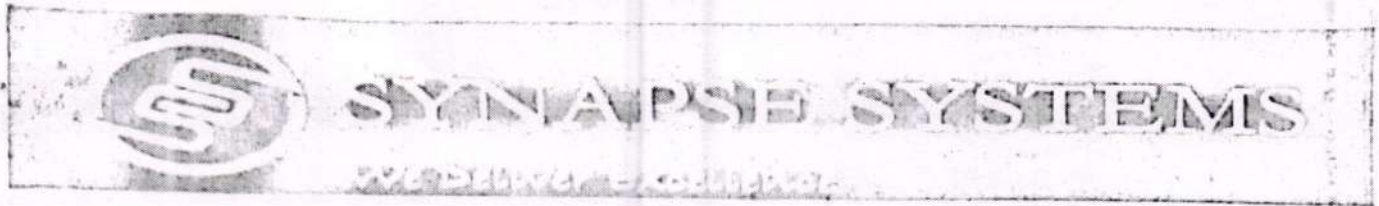3) To introduce Arduino Microcontroller and it's programming

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

H.O.D
(Dr. A.K.Patil)

Head of Electronics & Telecommunication Dept
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.

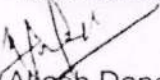Subject: About three days practical oriented workshop on Embedded System, Arduino and IOT.

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.

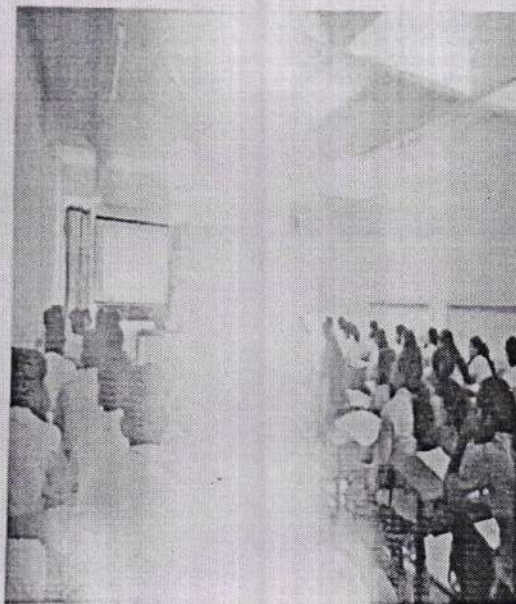Yours faithfully

Akash Dane

Director

Synapse Systems

PRINCIPAL

Dr. Vithalrao Vikhe Patil
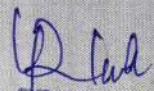College of Engineering
Ahmednagar

SYNAPSE SYSTEMS

Workshop Content:

Sr No	Topics	Duration
1	Introduction • Brief Introduction to Embedded systems • Introduction to Arduino	1hrs
2	Getting Started With Arduino • Intro to Arduino IDE • Installation of library and basic commands. • Installation of drivers. • Basics of Embedded C	2hrs
3	Working With GPIOs • Interfacing LED • Interfacing Buzzer • Working With Motors • Working With Inputs • LCD • Working with Analog Sensors • Working with Digital Sensors	4hrs
5	Communication Protocols on Arduino • Serial • SPI • I2C	3hrs
6	IOT • Introduction to Internet Of Things • Need of IOT • Setting Up Server • Data Acquisition on Server. • Data Base Management	4hrs
7	Project • IoT based Smart Agriculture system • Smart Stick for Blind	4hrs

Workshop- IOT based on ... ...ucted by Synapse system, Pune

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Department Of Electronics & Telecommunication
Attendance Record

Workshop :- Internet Of Things by Synapse System

Date :- 30 Aug 2018

S.r. No.	Name	Sign
33	Landge Pooja Shivaji	Landge P
34	Mansuri Saddam Mohammad	Saddam
35	Mutyal Abhijit Sushil	Mutyal
36	Nair Akash Ashokan	Akash
37	Nair Mahesh Radhakrishnan	Mahesh
38	Nalawade Rutuja Parasaram	Nalawade
39	Nawale Prashant Sanjay	Nawale
40	Pache Chetan Sampat	
41	Pansambal Deepika Balasaheb	Pansambal
42	Pardeshi Ankita Pravin	Pardeshi
43	Patil Rutuja Pradeep	Rutuja
44	Pawar Pratiksha Balasaheb	P
45	Raskar Rupali Ashok	Rupss
46	Sathe Komal Babasaheb	Sathe
47	Shaikh Farahan Rafique	Shaikh
48	Shaikh Tehasin Chand	Shaikh
49	Shejwal Dhanashri Sunjay	
50	Shinde Ashish Raju	
51	Shinde Nikhil Ravindra	
52	Singh Rahul Mukesh Kumar	
53	Trimbake Prashant Madhukar	
54	Ukande Pradnya Chandrakant	
55	Ukirde Pawan Ghansham	Raji
56	Vyavahare Rohini Gorakshanath	Yavry
57	Yenguptla Neha Ganesh	Neha
58	Zinjurde Shivani Sanjay	Zinjurde

Workshop :- Internet Of Things by Synapse System   Date:- 30 Aug 2018

S.r. No.	Name	Sign
1	Akolkar Nikita Rajendra	Nikita
2	Bachate Sushmita Yuvraj	Sushate
3	Bade Komal Nivrutti	Komal
4	Bagade Rani Dipak	Rani
5	Bangar Mirabai Sakhahari	MBangar
6	Belhekar Suchitra Macchindra	Belhekar
7	Bhakare Pooja Mahesh	Pooja
8	Bhale Bhushan Yashwantrao	Bhale
9	Bhingare Vaishnavi Sunil	V.S.Bhingare
10	Borkar Anagha Rajendra	Appu
11	Borlikar Vikas Vinod	V.V Borlikar
12	Chittewan Shivani Rajendra	Shivani
13	Dahare Mahendra Ramesh	Rahul
14	Dhawale Smita Dadabhau	Smita
15	Dongare Deepali Vitthal	Deepali
16	Dongare Hinddevi Arun	Dongare
17	Gade Akash Ramdas	Akash
18	Ghanwat Poonam Changdeo	Gannam
19	Ghumare Geetanjali Sitaram	
20	Gund Pranali Chandrakant	GundP.C.
21	Gunjkar Pratiksha Dnyaneshwar	Pooja
22	Hampe Pooja Shekhar	
23	Hingmire Shivanjali Rangnath	Shivanjali
24	Kakade Anjali Fakirchand	Anjali
25	Kalokhe Gaurav Bablu	Gaurav
26	Katore Rahul Kisan	Katore
27	Khandagle Rameshwar Eknath	R.Je
28	Khandare Akshay Balbhim	Akshay
29	Khedkar Renuka Dadasaheb	Khedkar
30	Kerulkar Ashish Kishor	Ku
31	Kilawat Tushar Yogiraj	Tushar
32	Kulkarni Nikita Mukundrao	Nikita

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38	Nalawade Rutuja Parasaram	Nalawade
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42	Pardeshi Ankita Pravin	Pardesh
43	Patil Rutuja Pradeep	Rutuja
44	Pawar Pratiksha Balasaheb	
45	Raskar Rupali Ashok	Rupa
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57	Yenguptla Neha Ganesh	Neha
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7	Bhakare Pooja Mahesh	
8	Bhale Bhushan Yashwantrao	Bhale
9	Bhingare Vaishnavi Sunil	V.S.Bhingare
10	Borkar Anagha Rajendra	ABBor
11	Borlikar Vikas Vinod	V.V.Borlikar
12	Chittewan Shivani Rajendra	Chittewan
13	Dahare Mahendra Ramesh	Mahendra
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