

Ref.No. CEA/E&TC/2018/ 2512(A)/1

Date:- 24/08/2018

To,
Aniket Bhalerao,
Model based Developer,
Synapse system,
Pune .

Subject: Request for conducting 3 day workshop on topic "IOT based on Arduino" from
29th August 2018 to 31th August 2018.

Dear Sir,


It gives us immense pleasure to state that the Department of Electronics & Telecommunication Engineering of our institute organizes a 3 day workshop for students.

As per discussion with Prof. C.K.Kalawade , Assistant Professor, Department of Electronics & Telecommunication Engineering , We would like to invite you to conduct a 3 day workshop on topic "IOT based on Arduino" from 29th August 2018 to 31th August 2018


Kindly accept our invitation to deliver lecture and give your consent.

Thanking you.




PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

Yours sincerely,


(Dr. Uday P. Naik)

Principal

Ref.No. CEA/E&TC/2018/ 2512 (A)/2

Date:- 24/08/2018

To,
Akash Dane,
Model based Developer,
Synapse system,
Pune .

Subject: Request for conducting 3 day workshop on topic "IOT based on Arduino" from
29th August 2018 to 31th August 2018.

Dear Sir,


It gives us immense pleasure to state that the Department of Electronics & Telecommunication Engineering of our institute organizes a 3 day workshop for students.

As per discussion with Prof. C.K.Kalawade , Assistant Professor, Department of Electronics & Telecommunication Engineering , We would like to invite you to conduct a 3 day workshop on topic "IOT based on Arduino" from 29th August 2018 to 31th August 2018

Kindly accept our invitation to deliver lecture and give your consent.

Thanking you.

Yours sincerely,


(Dr. Uday P. Naik)

Principal




Principal
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

**Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar
Department of Electronics & Telecommunication**

Notice

Date: 25/08/2018

All the S.E, T.E, B.E. students are hereby informed that Electronics and Telecommunication Engineering Department is arranging 3 day workshop on "IOT based on Arduino" delivered by Mr. Aniket Bhalerao & Mr. Akash Dane, Model based developer , Synapse System pune from Wednesday 29/08/2018 to Friday 31/08/2018 .

All the students should present for workshop.



Prof. P.P. Bhalerao

Event Incharge



Dr. Anita K. Patil

H O D



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Ahmednagar





॥ न हि ज्ञानेन मृदां पवित्रमिह विद्यते ॥
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**Dr. Vitthalrao Vikhe Patil
College of Engineering Ahmednagar**



DTE College Code: EN-S161

Department of Electronics & Telecommunication Engineering

Title of Workshop :- **IOT based on Arduino**

Conducted By:- Synapse system, Pune

Date :- 29/08/2018-31/082018

Students from:- (T.E.,B.E. Students)

Total Students = 58

Name of the expert: Aniket Bhalerao , Akash Dane

Profile :Model based Developer

Venue: class room ETC13 & ETC 11

Convenor:- Prof.Dr.A.K.Patil

Co-ordinators:- Mr.C.k.kalawade

Workshop Objective :

- 1)To update students the knowledge about Internet of Things
- 2)To introduce different protocol of communications
- 3)To introduce Arduino micro-controller & its programming

Workshop Outcomes :

- 1)Student will be able to understand the concept of IOT
- 2)Students have hands on practice on Arduino micro-controller board & its programming
- 3)Student can use different inter-facings & protocols Arduino micro-controller in their projects

[Signature]
Head of Electronics & Telecommunication Dept.
P.D.V.V.P. College of Engineering
16/11/18, Ahmednagar-414111



[Signature]
Principal
Dr. Vitthalrao Vikhe Patil
College of Engineering
Ahmednagar

Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar
Department of Electronics & Telecommunication

Report of the workshop

Date: 1/09/2018

- Date of the workShop :28/08/2018 to31/08/2018
- Title:"Applications of Android and IOT"
- Name of the expert: Er. Aniket Bhalerao and Akash Dane
- Industry: , Synapse system, Pune
- Profile :Model based Developer
- Classes attended:T.E.& BE students
- Number of students attended:58
- Venue: class room ETC13 & ETC 11
- Event In-charge: Mr.C.K.Kalawade
- Topics Covered
 1. An overview of Android and IOT
 2. Demand of IOT in automotive market
 3. Getting the fundamental knowledge and Basics of IOT
 4. Job Opportunities related with these applications
 5. How to apply and where to apply for jobs for E&TC Engineers
 6. A review of Applications of Android and IOT



Event I/C

Kalawade C.K.


H.O.D

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



SYNAPSE SYSTEMS

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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.

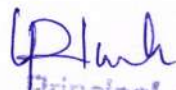
With Regards,

Yours faithfully

Akash Dane
Director
Synapse Systems


Head of Electronics & Telecommunication Dept.
P.D.V.V.P. College of Engineering
Ahmednagar-414111




Principal
Dr. Vitthalrao Vikhe Patil
College of Engineering
Ahmednagar



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Workshop Content:

Sr No	Topics	Duration
1	Introduction	1hrs
	<ul style="list-style-type: none">Brief Introduction to Embedded systemsIntroduction to Arduino.	
2	Getting Started With Arduino	2hrs
	<ul style="list-style-type: none">Intro to Arduino IDEInstallation of library and basic commands.Installation of drivers.Basics of Embedded C	
3	Working With GPIOs	4hrs
	<ul style="list-style-type: none">Interfacing LEDInterfacing BuzzerWorking With MotorsWorking With InputsLCDWorking with Analog SensorsWorking with Digital Sensors	
5	Communication Protocols on Arduino	3hrs
	<ul style="list-style-type: none">SerialSPII2C	
6	IOT	4hrs
	<ul style="list-style-type: none">Introduction to Internet Of ThingsNeed of IOTSetting Up ServerData Acquisition on Server.Data Base Management.	
7	Project	4hrs
	<ul style="list-style-type: none">IoT based Smart Agriculture system.Smart Stick for Blind	

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P. College of Engineering
Ahmednagar

11



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		Total 18hrs
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Workshop material provided to the student-

- 1) A Manual for understanding Arduino and Sensors.
- 2) Kit containing Arduino and Sensors
- 3) Programming Software.

Students Benefit:

- Updated to new technology.
- Knowledge about programming.
- Knowledge about interfacing with microcontrollers.
- Knowledge related to project building.

Required support Services from the college:

- Computer Labs.

Registration fees:

- Fees for each student will be Rs500.
- Minimum 30 Students required for conducting Workshop.
- Discount if the fees if number of students exceed 50.

Contact us:

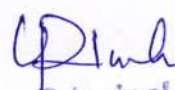
Email Id : synapse.systems75@gmail.com

Phone Number: 7588884886

Our Branches: Pune, Ahmednagar.


Head of Electronics & Telecommunication Dept.
P.D.V.V.P. College of Engineering
Vill-4 Ahmednagar-414111




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Dr. Vithalrao Vitke Patil
College of Engineering
Ahmednagar



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IoT WORKSHOP EVALUATION FORM

Name : Pati Rutuja Pradeep

Branch : E+TC Mobile No: 8308687272

Email ID : rutujapati1901@gmail.com

For the following areas, please indicate your rating:

A. Content	1 Fair	2	3	4 Excellent
Covered useful material				/
Practical to my needs and interests				/
Well organized				/
Well paced				/
Presented at the right level				/
Effective activities				/
Useful visual aids and hand-outs				/
B. Presentation				
Instructor's knowledge				/
Instructor's presentation style				/
Instructor covered material clearly				/
Instructor responded well to questions				/
Instructor facilitated interactions among participants well				/

C. How could this workshop be improved?	No any improvement needed
D. Any other comments or suggestions?	

E. Overall, how would you rate this workshop?

[] POOR [] FAIR [] GOOD

[X] EXCELLENT

[Signature]
Principal

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



[Signature]
Dr. Vinayak Vikas Pathi
College of Engineering
Ahmednagar



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IoT WORKSHOP EVALUATION FORM

Name : Bachate Sushmita Yuvraj
Branch : E&TC Mobile No: 8459080980
Email ID : sushmitabachate2802@gmail.com

For the following areas, please indicate your rating:

A. Content	1 Fair	2	3	4 Excellent
Covered useful material			✓	
Practical to my needs and interests				✓
Well organized			✓	
Well paced				✓
Presented at the right level				✓
Effective activities				✓
Useful visual aids and hand-outs				✓
B. Presentation				✓
Instructor's knowledge				✓
Instructor's presentation style			✓	
Instructor covered material clearly			✓	
Instructor responded well to questions				✓
Instructor facilitated interactions among participants well				✓

C. How could this workshop be improved?	explain some more detail knowledge
D. Any other comments or suggestions?	Can you take the workshop on advanced IoT & Python Raspberry Pie thanks for clear our basics

E. Overall, how would you rate this workshop?

[] POOR [] FAIR [] GOOD [✓] EXCELLENT

Head of Electronics & Telecommunication Dept.
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College of Engineering
Ahmednagar



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IoT WORKSHOP EVALUATION FORM

Name : Sathe Komal Babasaheb.
Branch: E&TC Mobile No: 7741938308.
Email ID : komalsathe2112@gmail.com.

For the following areas, please indicate your rating:

A. Content	1 Fair	2	3	4 Excellent
Covered useful material				✓
Practical to my needs and interests				✓
Well organized				✓
Well paced				✓
Presented at the right level				✓
Effective activities				✓
Useful visual aids and hand-outs				✓
B. Presentation				
Instructor's knowledge				✓
Instructor's presentation style				✓
Instructor covered material clearly				✓
Instructor responded well to questions				✓
Instructor facilitated interactions among participants well				✓

C. How could this workshop be improved?	No any improvement is needed.
D. Any other comments or suggestions?	

E. Overall, how would you rate this workshop?

[] POOR

[] FAIR

[] GOOD

[✓] EXCELLENT

Head of Electronics & Telecommunication Dept.
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Vilad Ghat, Ahmednagar-414111



Principal
Dr. Vilasrao D. Patil
College of Engineering
Ahmednagar



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IoT WORKSHOP EVALUATION FORM

Name : Parneshwar Eknath Khandagale
Branch : ESTC Mobile No: 9595337720
Email ID : amkhandagale96@gmail.com

For the following areas, please indicate your rating:

A. Content	1 Fair	2	3	4 Excellent
Covered useful material		✓		
Practical to my needs and interests			✓	
Well organized		✓		
Well paced				
Presented at the right level			✓	
Effective activities				✓
Useful visual aids and hand-outs				✓
B. Presentation				
Instructor's knowledge			✓	
Instructor's presentation style				
Instructor covered material clearly			✓	
Instructor responded well to questions				✓
Instructor facilitated interactions among participants well			✓	

C. How could this workshop be improved?	
D. Any other comments or suggestions?	gain extra knowledge

E. Overall, how would you rate this workshop?

[] POOR [] FAIR [✓] GOOD [] EXCELLENT

Head of Electronics & Telecommunication Dept.

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College of Engineering
Ahmednagar

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

Workshop :- Internet Of Things by Synapse System

Date:- 31-Aug-2018

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



(Signature)
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College of Engineering
Ahmednagar

**D.V.V.P.College Of Engineering Ahmednagar
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 Pooja
34	Mansuri Saddam Mohammad	Mansuri Saddam
35	Mutyal Abhijit Sushil	Mutyal Abhijit
36	Nair Akash Ashokan	Nair Akash
37	Nair Mahesh Radhakrishnan	Nair Mahesh
38	Nalawade Rutuja Parasaram	Nalawade Rutuja
39	Nawale Prashant Sanjay	Nawale Prashant
40	Pache Chetan Sampat	Pache Chetan
41	Pansambal Deepika Balasaheb	Pansambal Deepika
42	Pardeshi Ankita Pravin	Pardeshi Ankita
43	Patil Rutuja Pradeep	Patil Rutuja
44	Pawar Pratiksha Balasaheb	Pawar Pratiksha
45	Raskar Rupali Ashok	Raskar Rupali
46	Sathe Komal Babasaheb	Sathe Komal
47	Shaikh Farahan Rafique	Shaikh Farahan
48	Shaikh Tehasin Chand	Shaikh Tehasin
49	Shejwal Dhanashri Sunjay	Shejwal Dhanashri
50	Shinde Ashish Raju	Shinde Ashish
51	Shinde Nikhil Ravindra	Shinde Nikhil
52	Singh Rahul Mukesh Kumar	Singh Rahul
53	Trimbake Prashant Madhukar	Trimbake Prashant
54	Ukande Pradnya Chandrakant	Ukande Pradnya
55	Ukirde Pawan Ghansham	Ukirde Pawan
56	Vyavahare Rohini Gorakshanath	Vyavahare Rohini
57	Yenguptla Neha Ganesh	Yenguptla Neha
58	Zinjurde Shivani Sanjay	Zinjurde Shivani




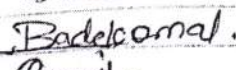
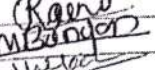
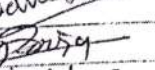
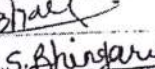
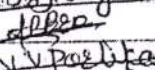
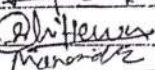
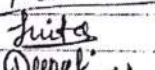
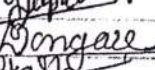
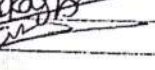
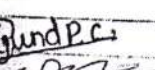
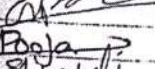
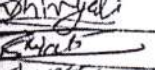
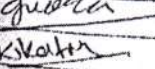
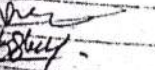
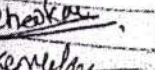
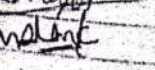
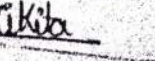



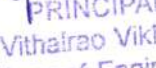
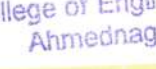
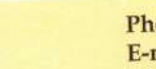


Dr. Vithalrao Vikhe Patil
PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

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


Principal
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

Workshop :- Internet Of Things by Synapse System

Date:- 29 Aug 2019

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




PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar



॥ न हि ज्ञानेन सदृशं पवित्रमिह विद्यते ॥

Dr. Vitthalrao Vikhe Patil Foundation's

Dr. Vithalrao Vikhe Patil College of Engineering Ahmednagar



DTE College Code: EN-5161

Department of Electronics & Telecommunication 3 days workshop on "IOT based on Arduino"

Certificate

This is to certify that ,

Mr./Ms. Pache chetan S. has actively participated and
successfully completed 3 days workshop on "IOT based on Arduino" from
29/08/2018 to 31/08/2018 .

C.K. Kalwade
Prof. C.K. Kalwade
Co ordinator

A.K. Patil
Dr. A.K. Patil
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U.P. Naik
Dr. U.P. Naik
Principal

U.P. Naik
PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

Ref. No. CEA/E&TC/2018/ 2608(9)/1

Date:- 31/08/2018


LETTER OF THANKS


Dear Sir,

On behalf of Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar, we take this opportunity to extend our heartfelt gratitude & huge "Thank you" for delivering 3 day workshop on "IOT based on Arduino" for Electronics & Telecommunication Engineering students from 29th August 2018 to 31th August 2018.

Let us maintain and cherish these relations for mutual benefit hence and forever.

We shall remain obliged for sparing valuable time with us.


(Dr. Ms.A.K.Patil)
HOD, E&TC


(Dr. Uday P. Naik)
Principal

To,
Aniket Bhalerao,
Model based Developer,
Synapse system,
Pune




PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar

Ref. No. CEA/E&TC/2018/2608(A)/2

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(Dr. Ms.A.K.Patil)
HOD, E&TC


(Dr. Uday P. Naik)
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To,
Akash Dane,
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