

Workshop objective

This workshop focuses on introduction of IoT and its applications. Basics of electronics and Arduino programming is explained. Interfacing various sensors to Arduino board is represented. IoT protocol and MQTT is explained.

Workshop Highlights:

1. Introduction to IoT.
2. Arduino programming.
3. Interfacing of sensors to Arduino.
4. IoT protocols and MQTT.

Workshop Resource Person

Mr. Ch. Venumadhav.
Industry person.

Attractions

Certificate to all participants.
Arduino programming.
Hands on experience.

Chief patron

Sri N. Sessa Reddy, Chairman,
Aditya Educational Group.

Patron

Sri N. Satish Reddy, Vice – Chairman,
Aditya Educational Group.

Convener

Dr. RVV Krishna, M Tech, Ph.D
HOD ECE Department

Coordinator

Mr. K. Kaivalya

Members

Mr. R. Anil Kumar.
Mrs. Sneha M Joseph.
Mr. I. Ramesh Raja.
Mr. KLV Prasad.

A
Training Course
ON

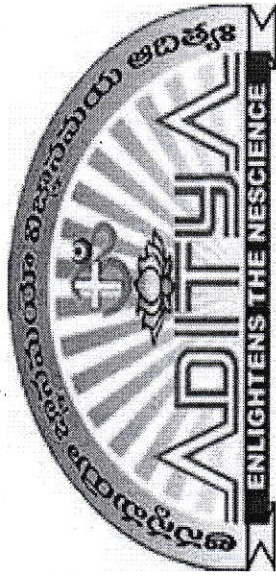
IoT training

19th – 25th April 2022

Venue:

ADITYA COLLEGE OF ENGINEERING &
TECHNOLOGY

Surampalem, East Godavari District.



Organized by:

Department of Electronics &
Communication Engineering

ADITYA COLLEGE OF ENGINEERING &
TECHNOLOGY

Surampalem, ADB Road E.G.Dt

Pin: 533 437. Andhra Pradesh, India

Phone: 08852 – 252250, 252243, 200007

Cell: 995917665

email: office@acet.ac.in

A
Training Course
ON

IoT training
19th – 25th April 2022
(Please fill in capital letters)

Name of the Participant:

.....

Name of the Organization:

.....

Address for Correspondence:

.....

Email:.....

.....

Contact Number:

.....

Date:

Signature

(Please fill in capital letters)

Name of the Participant:

About the College:

Aditya College of Engineering & Technology, established in the year 2004, has been sponsored by Aditya Academy, Srinagar, Kakinada, East Godavari District, Andhra Pradesh. This was started in the year 2004 with a quality & excellence as the guiding principles. The college has state-of-art infrastructure and resource facility with qualified & experienced faculty. It is recognized by AICTE and approved by Govt. of Andhra Pradesh and affiliated to Jawaharlal Nehru Technological University Kakinada (JNTUK). The College proudly offers 4 UG

The department of ECE was established in the year 2004 with an intake of 60 students and now it has been expanded with an intake of 240 students. ECE plays a vital role in Technology Revolution. Our main aim is to generate new knowledge by engaging in cutting-in research to promote academic growth and to develop human potential to its fullest extent so that intellectually capable & imaginatively gifted leaders can emerge in a range of professions. We have Modern state of the art and well furnished labs like Microwave and Optical Communication Lab, Electronic Devices and Circuits lab, Modern Communication Lab, Research lab etc with excellent laboratory facilities and dedicated faculty.

Registration & Fee particulars:

Participant fee : Free

Important Dates:

Starting date of registration:15.04.2022

Accommodation

Lodging and Boarding will be provided with minimum cost for the outstation participants on prior request. All participants will be provided working lunch, tea and snacks.

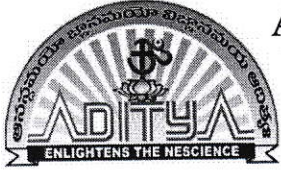
Points to note:

- ✓ Brochure & application form can also be downloaded from our website:
<http://www.acet.ac.in>
- ✓ List of participants selected for the workshop will be displayed in the Institute website

Important Contacts:

College: 9959176665

Convener: 7731081166



ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Affiliated to JNTUK, Kakinada * Approved by AICTE, New Delhi * Accredited by NAAC

- Recognized by UGC Under section 2(f) and 12 (B) of UGC Act 1956

ADB ROAD, ADITYA NAGARA, SURAMPALEM-533437

Department of Electronics & Communication Engineering

Date: 14.04.2022.

To
The principal
Aditya College of Engineering & Technology
Surampalem

Respected sir,

[Through Head of the Department]

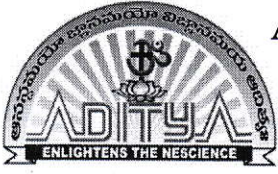
Sub: Request for your approval to organize a certification course on "IOT training" – reg.

It's our greatest pleasure to bring to your kind notice that, we the Department of Electronics & Communication Engineering would like to train our 3rd year B.Tech students in the, IOT training with the help of our staff; as the present world is moving over the software design & simulations and also is a part of the Electronics & Communication Engineering. It will be more helpful to the students in theoretical and technical point of view. In this regard we are requesting your permission for further proceedings.

Resource Person : Mr. Ch.Venumadhav.
Industry person.

Honorarium : Rs. 12000/-


Course Coordinator



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Department of Electronics & Communication Engineering

Date: 15.04.2022

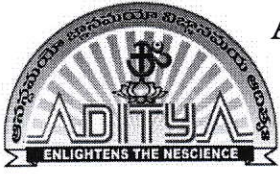
CIRCULAR

All the 3rd year students are hereby informed that a program is arranged to enhance the knowledge on **IOT training**, as per the schedule from 19th to 25th April, 2022. All interested students can attend the program and utilize the opportunity. The schedule is attached.

Course Coordinator: Mrs. K.Kaivalya

9948511155

Head of the Department



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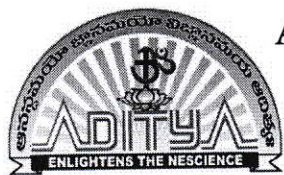
Department of Electronics & Communication Engineering

IOT training Syllabus

1. Introduction to IOT and cloud computing concepts.
2. How open platforms allow you to store your sensor data in the cloud.
3. Basic use of Arduino, Raspberry Pi, Node MCU environment for creating your own embedded devices at low cost.
4. How to connect Arduino, Raspberry Pi with your android phone.
5. Basic use of Raspberry Pi.
6. Use Arduino and Raspberry Pi in IOT.
7. How to create your own android app using MIT app inventor.
8. How to control any device from anywhere in the world.
9. MQTT protocols.
10. How to update sensor readings on any social networks.

Course Coordinator

Head of the Department



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Department of Electronics & Communication Engineering

Schedule of IOT training Syllabus:

Day-1:

- FN Inauguration of the Program and speakers talk about the objectives of the event
- AN Introduction to IOT and cloud computing concepts

Day-2:

- FN How open platforms allow you to store your sensor data in the cloud.

- AN Basic use of Arduino, Raspberry Pi,

Day-3:

- FN Node MCU environment for creating your own embedded devices at low cost.

- AN How to connect, Raspberry PI with your android phone

Day-4:

- FN Using Arduino and Raspberry Pi on IOT

- AN how to create your own android app using MIT inventor APP

Day-5:

- FN How to control a device from anywhere in the world.

- AN MQTT protocols

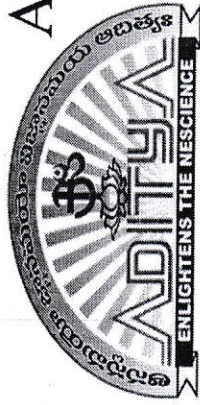
Day-6:

- FN How to update sensor readings on any social networks

- AN Assessment test & Valedictory.


Course Coordinator


Head of the Department



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Aditya Nagar, ADB Road, Surampalem-533437

CERTIFICATE

This is to Certify that Mr./Ms. _____ of Department of Electronics & Communication Engineering has participated in certification course on "IOT training" organized by Department of Electronics & Communication Engineering, Aditya College of Engineering & Technology, Surampalem during 19TH to 25TH APRIL 2022.

Kemurthy
Co-ordinator

Awbark
HoD-ECE

Principal

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

ADB ROAD, ADITYA NAGAR, SURAMPALAM - 533437

ACADEMIC YEAR 2021-22

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

ATTENDANCE SHEET FOR IOT TRAINING

Sl.No	Roll.No	Student Name	19/4/22	20/4/22	21/4/22	22/4/22	23/4/22	25/4/22	Signature
1	20P31A0409	GAJULA BHAGYA PRIYA KATYAVANI	P	P		AB	P	P	G.B. Prabhakar
2	20P31A0410	GANDI TANUJA	P	P	P	P	P	P	G. Pragna
3	20P31A0411	GANGULAKURTHI MEGHANA RANI	P	P	P	P	P	P	Meena
4	20P31A0412	GUDDATI NAGARJUNA CHAKRAVARTHY NAIDU	P	P	P	P	P	P	G.N.C. Naaidu
5	20P31A0413	JONNAKUTI SUNIL	P	P	P	P	P	P	J. Sunil
6	20P31A0414	KAMIREDDY VEERABABU	P	P	P	P	P	P	K. Veerababu
7	20P31A0415	KANKATALA GANESH	P	P	P	P	P	P	K. Ganesh
8	20P31A0416	KARRI SRI SATYA SNEHITH	P	P	P	P	P	P	K. Satya
9	20P31A0417	KOLLU BHANU TEJA	P	P	P	AB	P	P	T. Teja
10	20P31A0418	KOMMOJU V B VEERENDRA SAI	P	P	P	P	P	P	K. Veendra Sai
11	20P31A0419	KONDAPALLY GANA NARASIMHACHARY	P	P	P	P	P	P	K. Narasimha
12	20P31A0420	KONDURI BRAHMAIAH	P	P	P	P	P	P	K. Brahmaraiah
13	20P31A0421	KOPPADI SRAVANTHI	P	P	P	P	P	P	K. Sravanthi
14	20P31A0422	KORIPPELLA SAI PRAVALLIKA	P	P	P	P	P	P	P. Pravalika
15	20P31A0423	KOTHAPALLI PAVAN DEEPAK	P	P	P	P	P	P	P. Deepak
16	20P31A0473	DARA AASRITHA	P	P	P	P	P	P	D. Aasritha
17	20P31A0474	DASAM RAI KUMAR	P	P	P	P	P	P	D. Raj Kumar
18	20P31A0475	DODDA SWATHI VIJAYA LAKSHMI	P	P	P	P	P	P	D.S.V. Lakshmi
19	20P31A0476	DONTHAMSETTI SUSHMA NAGA SRI	P	P	P	P	P	P	D. Sushma
20	20P31A0477	DOSAPALLI ROSHINI	P	AB	P	P	P	P	D. Roshini
21	20P31A04A5	POTHULA SOWMYA	P	P	P	P	P	P	S. Sowmya
22	20P31A04A6	PRAGADA VENKATA DURGA GANESH ADI SATYA	P	P	AB	AB	P	P	P. Venkata Durga Ganesh

23	20P31A04J7	GEDDAM SURYA BHUVAN	P	AB	P	P	P	P	G. Sanyasbhava
24	20P31A04J8	GODITHI VINAY BHIMESH	P	AB	P	P	P	P	G. Bhimaraj
25	20P31A04J9	YEDUVAKA MYTHILI	P	P	P	P	P	P	V. mithili
26	20P31A04K0	JAVVADI PARVATHI MANGATAYARU	P	P	P	P	P	P	J.P. Mangatayaru
27	20P31A04K1	JYOTHULA CHAKRAVENI	P	P	P	P	P	P	J. Chakraveni
28	20P31A04K2	KAISARLA POORNA CHAITANYA	P	P	P	P	P	P	K. Chaitanya
29	20P31A04K3	KANETI JOICY PHEBE GRACE	P	P	P	P	P	P	Grace
30	20P31A04K4	KARRI SANTOSH REDDY	P	P	P	P	P	P	K.S. Reddy
31	20P31A04K5	KATURI NAVYA	P	P	P	P	P	P	K. Navya
32	20P31A04K6	KETHANI CHAITANYA	P	P	P	P	P	P	Chaitanya
33	20P31A04K7	KOKKERLA BHAVYA SRI	P	P	P	P	P	P	K. Bhavya
34	20P31A04K8	KOLLI PRAVEENA SRILALITHA KATHYAYANI	P	P	P	P	P	P	K.P.S. kathyayani
35	20P31A04K9	KOTA JASWANTH	P	P	P	P	P	P	K. Jaswanth
36	20P31A04L0	KOTHA APARNA	P	P	P	P	P	P	K. Aparna
37	20P31A04L1	KUMMARI SPANDANA	P	P	P	P	P	P	Spandana
38	20P31A04L2	MADDIPATI VENKATA NARENDRA	P	P	P	P	P	P	M. Venkata
39	20P31A04L3	MANDAPAKA LAKSHMI GANGA MAHESWARI	P	P	P	P	P	P	Maheeswari
40	20P31A04L4	MANEPALLI LAKSHMI SUVARSHITHA	P	AB	P	P	P	P	M. J. Suvarshitha

Kemudula
Course Coordinator

Awudhe
Head of the Department

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

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1	20P31A04D3	DUPPALAPUDI MANI KUMAR SWAMY	P	P	P	P	P	P	D. Manikula
2	20P31A04D4	GARAPATI SRAVANI	P	P	AB	P	P	P	G. Sravani
3	20P31A04D5	GEDDAM CHANDINI	P	P	P	P	P	P	G. Chandini
4	20P31A04D7	CHITRADA PRANEETH	AB	P	P	P	P	P	C. Praneeth
5	20P31A04D8	KADA RAMESH	P	P	AB	P	P	P	K. Ramegh
6	20P31A04D9	KALAPUREDDY NAGA UMA RAMADEVI	P	P	P	P	P	P	K. N. U. Ramadevi
7	20P31A04E0	KARANAM RATNA KUMARI	P	P	AB	P	P	P	K. Ratna Kumari
8	20P31A04E1	KARINI KRISHNAVENI	P	P	P	P	P	P	K. Krishnaveni
9	20P31A04E2	KARRI LAKSHMI SRAVANTHI	AB	P	AB	P	P	P	K. Lakshmi
10	20P31A04E3	KILARI NEHA CHOWDARI	P	P	P	P	P	P	K. Neha Chowdary
11	20P31A04E4	KOLLEPARA RATNA SRI LAKSHMI	P	P	P	P	P	P	K. R. S. Lakshmi
12	20P31A04E5	KOTA KARUNAKAR	P	P	P	P	P	P	K. Karunakar
13	20P31A04E6	KUTTUBOINA MOHAN PRASANTH	P	P	P	P	AB	P	K. M. Prasanth
14	20P31A04E7	LANKA SAI KIRAN	P	P	P	P	P	P	L. S. Kiran
15	20P31A04E8	LATCHIPATULA VARSHITHA	P	P	P	P	P	P	L. Varshitha
16	20P31A04E9	MADEPALLI UMA MAHESWARA RAO	AB	P	P	P	P	P	M. U. M. Rao
17	20P31A04F0	MANAM SIRISHA	P	P	P	P	P	P	M. Sirisha
18	20P31A04F1	MEKA SIVA TEJASWI	P	P	P	P	P	P	M. S. Tejaswi
19	20P31A04F2	MELIMI TRIVENI	P	P	P	P	P	P	M. Triveni
20	20P31A04F3	MENDA BHAVANA SPOORTHI	P	P	P	P	P	P	M. Bhavana Spoorthi
21	20P31a04J5	HARSHITHA PADARTHI	P	P	P	P	P	P	P. Harshitha
22	20P31A04J6	GADHI LAKSHMI SOWJANYA	P	P	P	P	AB	P	G. Sowjanya

23	20P31A04A7	SHEIK AMEENA BEGAM	P	P	P	P	P	P	P	S. Ameena Begam
24	20P31A04A9	TEKU DURGA PRASAD	AB	P	P	P	P	P	P	T. Durga Prasad
25	20P31A04B0	THOTAKURA RAMESH	P	P	P	P	P	P	P	T. Ramesh
26	20P31A04B1	THOTAKURA SRIDEVI	P	P	P	P	P	P	P	T. Sridevi
27	20P31A04B2	THOTAKURA PRAVALLIKA	P	P	P	P	P	P	P	T. Pravallika
28	20P31A04B3	CHAMALA VENKATA KRISHNA REDDY	P	P	P	P	P	P	P	C.V. Krishna
29	20P31A04B4	TIBIRISETTI VIJAYADURGA	AB	P	P	P	P	P	P	T. Vijayadurga
30	20P31A04B5	TUMULURY SASANKA SRIRAM	P	P	P	P	P	P	P	T.S. Sri Ram
31	20P31A04B6	UPPU DEEPTHI	P	P	P	P	P	P	P	U. Deepthi
32	20P31A04B7	VALLABHASETTI BHUVANASATYA LAKSHMI MADHURI	P	P	P	P	P	P	P	V. Bhavathi
33	20P31A04B8	VALLURI ROJA	P	P	P	P	P	P	P	V. Roja
34	20P31A04B9	VASAMSETTI SANDHYA	P	P	P	P	P	P	P	V. Sandhya
35	20P31A04C0	VEERAVALLI SIVAJI	P	P	P	P	P	P	P	V. Sivaji

Kamulika
Course Coordinator

Anusha

Head of the Department