DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi & Affiliated to JNTUK, Kakinada)
A NAAC Accredited Institute
An ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle – 531002, Visakhapatnam, A.P.
Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in

Anakapalle,

Dt: 29-01-2018

From,

Mr.B.N.Srinivas Rao

HOD - ECE,

Dadi Institute of Engineering & Technology.

To,

The Principal,

Dadi Institute of Engineering & Technology.

Sub: Permission for Conduction of three day workshop on **Embedded Systems & IoT** (Internet of Things) for Final Year ECE students from 5th -7th February2018– Reg

Sir,

With due respect, hereby stating that, I, on behalf of ECE Department, request you to approve us to conduct a Three-day Workshop on **Embedded Systems & IoT in association with Andhra Skill Development and Corporation** for our final year ECE students from February 5th to 7th 2018. Shri M.Uma Maheshwara Rao is chosen as resource person to deliver the lecture. Arrangements are done without disturbing the regular classwork schedule.

We, therefore, hope that you would be kind enough to permit us to conduct the workshop. Kindly grant us the permission. Waiting anxiously for your reply.

Thanking you Sir,

Yours Sincerely,

HOD-ECE

Head of the Department
Electronics & Communication Engg
Dadi Institute of Engg. & Tech
Anakapalle 531 002

CIRCULAR

This is to inform all the Students, Teaching & Technical Staff of Dadi Institute of Engineering and Technology that the Department of ECE is Conducting a Three Day Workshop on **Embedded Systems & IoT Workshop in association with Andhra Skill Development and Corporation** in the Institute from 3rd to 7th February 2018. Students, Teaching & Technical staff are requested to attend the workshop.

Date & Time: 3rd to 7th February

Venue: Lab -1

HOD,ECE

Head of the Department
Electronics & Communication Engg
Dadi Institute of Engg. & Tech
Anakapalle 531 002

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Andhra Pradesh State Skill Development Corporation
(Department of Skill Development, Entrepreneurship & Innovation, Govt. of Andhra Pradesh)

Embedded Systems & IoT Workshop

(5th - 7th Feb 2018)

Organized by

Department of Electronics & Communication Engineering

In Association with Andhra Pradesh State Skill Development Corporation

Report on the Three Day Embedded Systems & IoT Workshop

About Workshop:

Fig 1:Poster for three day workshop on embedded systems & IOT

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In its pursuit of excellence in technical education Dadi Institute of Engineering & Technology, Visakhapatnam in association with Andhra Pradesh State Skill Development Corporation organized a three day Workshop for the Final Year B.Tech. ECE Students of Department of Electronics & Communication Engineering on **Embedded Systems & IoT** (Internet of Things) during **5th - 7th Feb 2018**. The Workshop aims to enhance and strengthen the skills among the students in the Embedded System IOT. So we would like to give basic knowledge on Arduino Processors with Hardware Equipment. As we all know that IOT is the latest technology which is in full demand and there is a lot of study work and project work going on this concept. Our students have a good scope of developing in such a field. Our students were very much satisfied with the workshop such as Embedded System IOT.

Andhra Pradesh State Skill Development Corporation:

Andhra Pradesh State Soft Skills Development provides specialized training to the Students of Polytechnic, Engineering colleges etc., in various Disciplines in different courses by conducting three day Workshop.

Course Content:

Day Wise schedule	Course content
Day-1	Introduction of Embedded IOT Systems, Basic structure of Embedded Systems, specifications of ARDUINO Processor & Pin diagram of ARDUINO Processor.
Day-2	By using ARDUINO Software developing the following modules 1. LED blinking with push pull button 2. Displaying input on serial monitor

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	3. Blinking of LED when inserting character/string
	4. LDR automatic on/off
	5. IR sensor object detection
	6. LED glowing using IR & LDR.
Day-3	1.LCD display interface
	2.servo motor
	3. RGB LED glowing
	4. Ultrasonic distance calculation
	5. Online exam on IOT
	6. Taken feedback from students

Inauguration:

The inauguration of the Workshop was Scheduled on 5th Feb at 9.30 AM in Seminar Hall-1 (AC), DIET Campus with lightening of the lamp. The dignitaries of the Inaugural Function included Prof. Dr. Ch. Prabhakara Rao, I/C Principal, Prof. Dr. E.S. Eswara Rao, Vice Principal, Sri B.N. Srinivasa Rao, HoD, ECE, Resource Persons from APSSDC - Sri Uma Maheshwara Rao & Sri D. Kalyan Kumar& Sri D. Kalyan Kumar, Staff and Students .

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Fig 2: Resource person Shri M.Uma Maheshwara Rao, Inaugurating the three day IOT workshop by Lightning the Lamp.

Fig 3: In-charge Principal Prof. Dr. C.H. Prabhakar Rao addressing the gathering at the Inauguration.

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Embedded Systems & IoT Workshop Valedictory - 7th Feb 2018

Sri M. Srinivasa Rao, I.R.S., Commissioner, Income Tax Department, is the Chief Guest, Sri Dadi Veerabhadra Rao, Hon'ble Chairman, is the Special Guest, for the Valedictory Function. Sri Dadi Ratnakar, Correspondent, Prof. Dr. Ch. Prabhakara Rao, I/C Principal, Prof. Dr. E.S. Eswara Rao, Vice Principal, Sri B.N. Srinivasa Rao, HoD, ECE, Resource Persons from APSSDC - Sri Uma Maheshwara Rao & Sri D. Kalyan Kumar, Staff and Students participated in the Valedictory Event conducted on 7th Feb 2018 at 3:00 PM in Seminar Hall-1 (AC), DIET Campus.

Fig 4: Sri M. Srinivasa Rao, I.R.S., Commissioner, Income Tax Department has arrived

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Fig 5: Hon'ble Secretary & Correspondent Sri Dadi Ratnakar garu giving the token of remembrance to the Chief Guest, Sri M. Srinivasa Rao, I.R.S., Commissioner, Income Tax Department.

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Fig 6:Students interacting with the Chief Guest

List of participants:

S.No	Name
1	A.Kalyan Sai Naryana
2	Alla Lochan Narayana
3	Bandaru Laxmidevi
4	Chellarapu Malathi
5	Chittilla V S Sowmya
6	Dharmireddy Rohini

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7	DODDI SUGUNA
8	GONITHA JAGADEESH
9	GORANTLA VAISHNAVI
10	KADIMI KIRANMAYI
11	KANDUBUKTHA KRISHNA VENI
12	KANNURU REVATHI
13	KANUMURI SOWMYA
14	KARRI RENUKA
15	KASIMKOTA VENKATA LAKSHMI DEVI
16	KODUKULA VENKATA SAI RAVI TEJA
17	KORIBILLI BHARGAVI
18	KOTHA PRUDHVI RAJ
19	KURAPATI PREM KUMAR
20	MADETI LATA SRI
21	MALASALA GOWTHAMI
22	MALLA JYQTHI
23	MALLA PRAVALLIKA
24	MAMIDI KASIVISWANADHAM
25	MARLAPUDI MOSES LIVINGSTON
26	MATHA BHARATHI
27	MOKA SAICHARAN
28	MYPALLI SHYAMALA NOOKESHWARI
29	P SANTOSH KUMAR
30	P SUSHMITA
31	PENUPOTHULA SNEHA
32	POTHU TARUN KUMAR
33	RUTTHALA YASODHA VANAJA

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34	SALAPU PRIYANKA
35	SANKARLA SAI DEEPU
36	SEEMANAPALLI VARAHALU
37	SREERAM MARTEENA KEZIA
38	VADAMODALU SHIVA KUMAR
39	VEGI JAYA CHANDRIKA
40	VIYYAPU GOVINDARAJU
41	YENNETI SRILATHA
42	YERAMSETTI HEPSIBA
43	S SURYA VENKATA CHIRANJEEVI
44	GALLA SRI RAMYA
45	BHUPINDER KOUR
46	BHUVAN
47	A.KALYAN SAI NARYANA
48	ALLA LOCHAN NARAYANA
49	BANDARU LAXMIDEVI
50	CHELLARAPU MALATHI
51	CHITTILLA V S SOWMYA
52	DHARMIREDDY ROHINI
53	DODDI SUGUNA
54	GONITHA JAGADEESH
55	GORANTLA VAISHNAVI
56	KADIMI KIRANMAYI
57	KANDUBUKTHA KRISHNA VENI
58	KANNURU REVATHI
59	KANUMURI SOWMYA
60	KARRI RENUKA

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61	KASIMKOTA VENKATA LAKSHMI DEVI
62	KODUKULA VENKATA SAI RAVI TEJA
63	KORIBILLI BHARGAVI
64	KOTHA PRUDHVI RAJ
65	KURAPATI PREM KUMAR
66	MADETI LATA SRI
67	MALASALA GOWTHAMI
68	MALLA JYQTHI
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85	VEGI JAYA CHANDRIKA
86	VIYYAPU GOVINDARAJU
87	YENNETI SRILATHA

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88	YERAMSETTI HEPSIBA
89	S SURYA VENKATA CHIRANJEEVI
90	GALLA SRI RAMYA
91	BHUPINDER KOUR

Feed back Form

1. Has the Workshop attained its objectives

□   Yes

□   No

2. Workshop was relevant to my needs

□   Strongly agree

□   Agree

□   Neutral

□   Disagree

□   Strongly disagree

3. Instructions were clear and understandable

□   Strongly agree

□   Agree

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□   Neutral

□   Disagree

□   Strongly disagree

4. Content was well organised

□   Strongly agree

□   Agree

□   Neutral

□   Disagree

□   Strongly disagree

5. Was the Duration of the training sufficient.

□   Yes

□   No

6.Resource persons were effective.

□   Strongly agree

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☐   Agree

☐   Neutral

☐   Disagree

☐   Strongly disagree

7. Queries were encouraged

☐   Strongly agree

☐   Agree

☐   Neutral

☐   Disagree

☐   Strongly disagree

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Certificates Distribution to the participants :

Fig 7: Certificate distribution to the participants