



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Report On Event 2 week a summer internship training program for B.Tech II year EEE students (In House Training Program) from 13th -25th May 2019 (2 Wk) IN ASSOCIATION WITH APSSDC-LBRCE-SDC

Event Type : Summer Internship Certified Training(InHouse) Program

Resource Persons : 1. Mr.Sumant, APSSDC, TRAINER
2 Mr. Praveen APSSDC ,TRAINER

Name of Coordinator : Dr.A.V.G.A.MARTHANDA

Target Audience :B.Tech Students

Total no of Participants : 39

Objective of the event: The main objective of this 2week Summer Internship Certified Training (InHouse) Program are:

To educate the basic fundamentals of Automation among the students and equip them with employability skills., make them aspiring engineering students with practical knowledge of the embedded systems and projects handling in both controllers and Arduino projects

Outcome of event: In this 2 week training program the students were able to acquire practical knowledge how to control , design and monitoring the industrial equipment and their needs in practical applications

Description / Report on Event: The Department of EEE conducted a 2 week Skill Development Training Program on “ ” in association with APSSDC-LBRCE-SDC during: 13th -25th May 2019 (2 Wk), 2019 for B.Tech students of EEE Department of LBRCE.

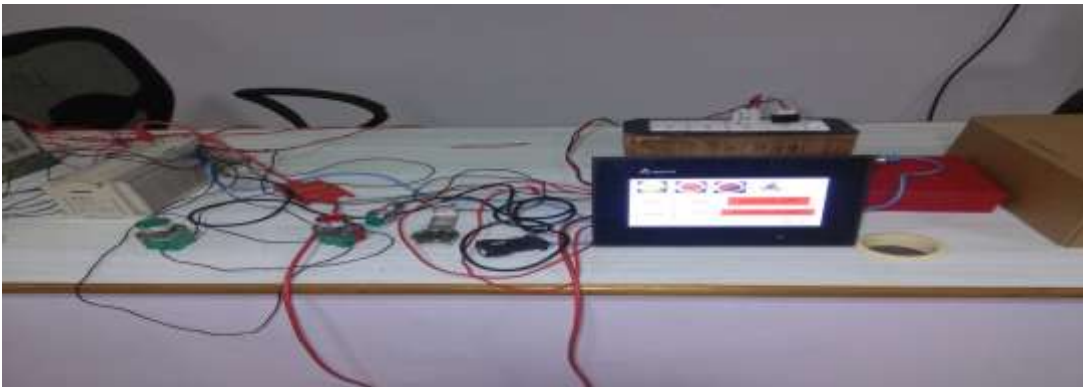
Banner of Inhouse Training Program



Interaction of Trainer with students during practical session of Inhouse training program :



Practical session of training program Proximity sensors



During this two week program students were able to get knowledge on controllers and embedded systems on practical applications sensors, stepper motor, Leds, 8051 controllers and Aruidno supported hardware viz., UV sensors, transmitters etc.,

Program Schedule

This program conducted on 2 week from 13th -25 th May 2019, at LBRCE-EEE Department Computation lab, on Embedded systems as per given schedule

Day-Wise	Course Content
Day-1	Introduction to IoT, Introduction to Embedded Systems, Examples for embedded systems, Introduction to 8051 Microcontrollers, Basic difference between C Embedded C programming languages
Day-2	Downloading & installation of Keil uvision software & proteus softwares, Basic examples for both softwares, Led based projects (led on, led blinking) on Keil proteus softwares
Day-3	Interfacing of Switch with 8051 & interfacing seven segment displays with 8051 (compilation simulation using keil & proteus softwares)
Day-4	Interfacing of LCD with 8051 (both 4 bit & 8 bit LCD) & interfacing of Motor with 8051.
Day-5	Robot Project using 8051 Microcontroller. UART communication using 8051 Microcontroller.
Day-6	Introduction of Arduino Environment. Arduino Uno board explanation. Introduction to Digital Pins & Inputs, Arduino IDE installation & Introduction to arduino programming (basic functions & key words in arduino programming)
Day-7	Tinkercad-circuits explanation. Led based projects & Interfacing of switches with Arduino
Day-8	Interfacing of display devices (Seven segment Display & LCD) with Arduino
Day-9	Interfacing of Sensors (LDR, IR Sensor, Ultrasonic sensor) & Motors (DC Motor & Servo motor) with Arduino.
Day-10	Installation of Arduino library in Proteus software. Arduino examples using proteus. Sample project.

Participants for the InHouse program

The following II year B.Tech students (EEE) were registered in Summer Internship training (In-House training) from 13th-25th May, 2019 (2 Wk) on “ Embedded systems ” with APSSDC- LBRCE-SDC

Sl.no	Redg.No	Name
1	17761A0202	A.Venkata Kiran
2	17761A0209	B.Vivekanand
3	17761A0208	B.Leela Manikanta
4	17761A0212	B.Madhava
5	17761A0214	Ch.Srinivas
6	17761A0221	G.Sasikiran Reddy
7	17761A0236	M.Harikrishna
8	17761A0238	M.Rafi

9	17761A0237	M.Avinash
10	17761A0242	P.Naveen
11	17761A0243	P.V.Mohan Kumar
12	17761A0253	S.Pavan Kalyan
13	17761A0254	S.Sivaiah
14	17761A0261	B.Nagaraju
15	17761A0260	B.Manikanta
16	17761A0262	B.Suresh Nayak
17	17761A0263	B.surendar Reddy
18	17761A0269	E.Vinay Kumar
19	17761A0271	G.surya Teja
20	17761A0273	G.Sai Kumar Reddy
21	17761A0274	G.mahendra
22	17761A0281	K.Koushic
23	17761A0288	M.Siva Sai Kumar
24	17761A0289	M.S.Naga Brahmam
25	17761A0291	M.Akhil
26	17761A0296	P.V.Sai Gireesh
27	17761A02A3	S.Sudhakar
28	17761A02A4	S.Satyanarayana
29	17761A02A5	S.Aashik
30	17761A02A6	SK.Naveen
31	17761A02A9	T.Nani
32	17761A02B5	Y.Praveen
33	18765A0201	A.Sainadh
34	18765A0210	S.Parasuram
35	18765A0215	V.Pavankumar
36	18765A0216	B.gopi
37	18765A0218	E.Nikhil
38	17761A0247	R.Dimple Dineshkumar