



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC with 'A' Grade, ISO 9001:2015 Certified Institution

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

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

DEPARTMENT OF EEE

REPORT ON EVENT EMBEDDED SYSTEMS(IOT WORKSHOP) BY APSSDC

Event Type	:	Workshop
Date / Duration	:	19-02-2018 To 21-02-2018
Resource Person	:	Experts from APSSDC
Name of Coordinator	:	Mr AVGA Marthanda
Target Audience	:	B.Tech III Year Students
Total no of Participants:		79
Objective of the event:		To ensure that the students are well trained for the prerequisite courses of certification.

Outcome of event :It aims that imparting job-oriented training on Microcontroller architectures and concepts of Embedded C language from an industry perspective. By providing Hands-on workshop to students, they will get an idea on hardware components. By using this knowledge they can develop simple real time projects.In this workshop used Embedded C for microcontroller programming

Description / Report on Event:

Contents discussed :

Introduction to IoT , Introduction to Embedded Systems, Introduction to 8051 family, Introduction to Keil-IDE, Embedded C Programming, Proteus software, LED based Projects. Interfacing Button, seven segment display, Motors with 8051, Relay, Arduino Platform, Arduino Board, Direct Programming, Arduino Schematics, Arduino IDE, Compiling Code, Arduino Programming , Introduction to Digital Pins & Inputs-LED Based Projects. Interfacing of switches with Arduino & LCD Based Projects. Interfacing of sensors with Arduino-LDR, Humidity sensor, Temperature sensor.

Assessments/Practice test: To ensure that students have understood the content covered during the session; a brief test will be conducted on LMS after training session. This will help the student understand where he/she needs to improve . LMS (Learning and Management System) is built from OpenEdx. It contains all course related content such as hand-outs, videos and practice sessions. APSSDC will provide individual student account .

Certificate : APSSDC Will Provide Certificate to the Students

Feedback / Suggestions : Good

Photographs :



Addressing by Resource principal



Addressing by resource person