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Event Report

DATE : 13th December 2017
VENUE : E-CAD LAB
ORGANIZED BY : SPACE ,E.C.E Dept.

FACULTY INCHARGE: Mr.K.Mallikarjuna Rao
EVENT DESCRIPTION:

      The ECE department association "SPACE" conducted **"One Day Hands on Experience on Arduino Kit/ Board"** on 13th December 2017 in the E-CAD Lab. The resource person for this workshop was **Mr. M.Praveen, Manager , Surya embedded Technology private Ltd**. This program is targeted to Electronics students with some knowledge on Embedded Systems Concepts and Microcontrollers. This course is based on the Arduino Nano board and its implementation using Arduino IDE.

SESSION ACTIVITIES:

      As per the given instructions by the Dr. Siva Ganga Prasad, HOD ECE dept., the student and faculty in charge **Mr. K.Mallikarjuna Rao** made proper arrangements for the work shop. The workshop is started with opening remarks of Dr. Siva Ganga Prasad . Exactly at 10.30 AM the workshop is started by is **Mr. M.Praveen, Manager , Surya embedded Technology private Ltd** with the explanation of Embedded system **.** He explained how Arduino is better compared to Micro Controller**.**

He explained that Arduino is an open-source electronics platform based on easy-to-use hardware and software. Arduino boards are able to read inputs - light on a sensor, a finger on a button, or a Twitter message - and turn it into an output - activating a motor, turning on an LED, publishing something online. You can tell your board what to do by sending a set of instructions to the microcontroller on the board. To do so you use the Arduino programming language (based on Wiring), and the Arduino Software (IDE), based on Processing.

This program provides better view on programming aspects of Arduino Microcontrollers. Thus it offers various Real Time projects to implement using Arduino Microcontroller by programming in C Language Programming. The following programs carried out on first day

- LED program
- 7 segment display program
- LCD program
- Running of motor in clock wise
- Running of motor anti clock wise.
- Moving Motor towards left or right

After the feedback from the participants, The Vote of Thanks was delivered by the Dr. Siva Ganga Prasad, HOD ECE dept. On behalf of the department of Electronics and Communication Engineering, He extended his gratitude to the College Management and Principal.

Photos: