

EEE Dept organises workshop on Arduino and LED bulb for polytechnic college students



The EEE Dept of the College hosted a two-day workshop on Arduino Programming and LED Bulb Assembly exclusively for students studying electrical engineering in polytechnic colleges in Kerala on 17 – 18 December 2018. The workshop was mainly focused on Arduino programming, interfacing and applications. LED bulb assembling and testing was included as a half-day session to ensure that all the participants get real hands on experience.

Mr Vishnurach K R (AP, EEE Dept) was the resource person for the workshop.



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.

Out of 82 registrations, 54 students were shortlisted among which 53 attended the workshop.

The workshop was inaugurated by Dr Saji C B, Principal. Ms. Remani T, Head of EEE Dept, introduced the resource person to the audience. Mr Praveesh V V (AP, EEE Dept and Coordinator of the workshop) gave a brief overview of the workshop. Mr Krishnakumar M proposed the vote of thanks.

Topics covered

In the first session, students got familiarized with various development boards of Arduino and learnt the development environment for Arduino. Working with Arduino I/O pin was taught initially and students were made to run small practicals like blinking LED, interfacing Pushbutton switch. Following are some of the topics covered in detail:

Analog read/write

Digital read/write

Actuator control

Control of indicating devices

Image gallery

