EEE Dept’s workshop for Polytechnic College students in great demand!

Due to huge demand for participation in the two-day workshop on Arduino Programming and LED Bulb Assembly organised by the EEE Dept of Vidya for the Electrical Engineering students of Polytechnic Colleges in Kerala, the Dept organised a second edition of the workshop during 9 – 10 January 2020. (The Dept had organised the first edition of workshop during 18 – 19 December 2019.) The focus of the workshop was to impart programming and interfacing skills using Arduino board and to provide practical awareness on LED assembling and testing.

As many as 20 students from six Polytechnic Colleges (Thiagarajar Polytechnic College, Alagappanagar, St. Mary’s Polytechnic College, Palakkad, MTI, Thrissur, Govt. Polytechnic College, Kalamassery, Seethi Sahib Memorial Polytechnic College, Tirur) attended the second edition.

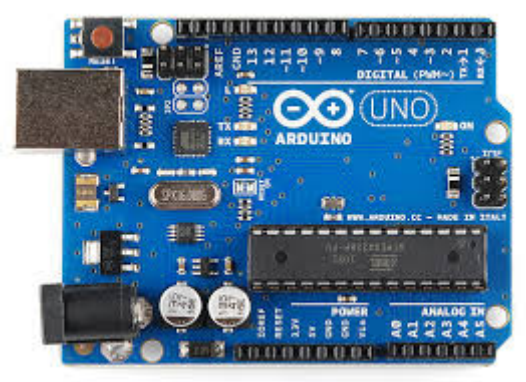
Mr Arun Xavier (AP, EEE Dept), Mr Deepak V Dev (AP, EEE Dept) and Mr Shibin P V (TI, EEE Dept) led the sessions. The workshop concluded with a valedictory function in which certificates are distributed to the participants.

Topics covered

In the various sessions, 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 push-button switch. Following are some of the topics covered in detail:

- Digital read/write
- Analog read/write
- Actuator control
- Control of indicating devices

About Arduino



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. We can tell our board what to do by sending a set of instructions to the microcontroller on the board. To do so we use the Arduino programming language (based on Wiring), and the Arduino Software (IDE), based on Processing.

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