

Date: 08/02/2020

Report on Arduino Workshop

“Arduino Workshop” was conducted on 8th February 2020 in Department of Electronics and Telecommunication Engineering. The workshop started at 9:00 am and was inaugurated by Principal Dr. R.D. Kanphade, Vice Principal Prof.S.V. Phadkule and HOD Dr.C.A. Manjare. Class Coordinators and Faculty members were present during the event. The workshop was themed “**For the students, by the students**”. SE A & SE B division students were present for the workshop. This activity offered live hands on Arduino interfacing. The workshop addressed the following POs: Engineering knowledge (PO1),Modern tool usage(PO5),Engineer and society(PO6),Individual and team work(PO9),Communication(PO10),Project management and finance(PO11) and Life long learning(PO12).

The event was conducted in Seminar Hall-B403, Lab B-512 and Lab B-513 of E & TC department. The workshop was scheduled as follows:

- 1) 9:00 am to 10:30am for SE B division and
- 2) 10:45am to 12:45pm for SE A division.

Resource: 1) Mr. Anuj Dubey (**SE E& TC**)
 2) Mr. Abdul Shaikh (**SE Mech**)
 3) Mr. Kaustubh Murumkar (**TE E& TC**)
 4) Mr. Sagar Fadtare (**TE E& TC**)

The contents of the workshop are as given below.

| Sr. No | Modules Conducted | Activity |
|---------------|---|--|
| 1 | Interfacing of flashing LED with Arduino Uno rev 3 | Did the demonstration by connecting LED on output port of Arduino board |
| 2 | Interfacing ultrasonic sensors with Arduino Uno rev 3 | Did the demonstration by connecting ultrasonic sensor at the input port of Arduino board. |
| 3 | Interfacing DC motor with Arduino Uno rev 3 | Did the demonstration by connecting DC Motor to the transistor via PWM pin of Arduino board. |
| 4 | Interfacing of analog temperature sensor with Arduino Uno rev 3 | Did the demonstration by connecting LM35 on analog pin of Arduino board. |

Usefulness of the workshop:

By conducting the workshop, students understand what an Arduino is and how it works. Program Arduino using code written in Arduino IDE. Use different sensors , components and prototype modules using a breadboard. And learn to build innovative project with Arduino.

Coordinator
Prof.T.S.Zende
Prof.S.V.Malewar

HOD E & TC
Dr.C.A.Manjare

PICS of Arduino Workshop

