

Arduino Essentials

Do you keep hearing about Arduino? Here's a complete Hands-on Training with theoretical explanation on Arduino for you.

Learn how you can create something great, without having to be an expert.

Progress

Day 1

1. Basics of Arduino Programming in Arduino IDE
2. Pulse Width Modulation
3. Analog to Digital Conversion
4. Interfacing of sensors and actuators
5. Serial Communication
6. Problem statement for Day 1

Day 2

1. Basics of Python 3.7 Programming(covering most of the main topics)
2. Introducing python libraries
3. Establishing serial communication with PC
4. Manipulating data in PC using Python 3.7
5. Mini project combining all topics covered in the workshop

Requirement

1. Pendrive(Formatted)
2. Laptop

Details

Fee : 700/- per head. This includes registration fee 250/-

Team : Maximum of 4 members per Team

1. People from different colleges also can form a team.
2. EARLY BIRD OFFER OF Rs.50/- will be reduced if the reservation is done on or before February 28th.
3. Refreshments will be provided
4. Participants are requested to arrange for lunch on their own

KIT

1. Arduino uno with cable
2. Ultrasonic sensor
3. Servo motor
4. Bread board
5. LED and Resistor
6. Potentiometer
7. Jumpers

Note: Each team MUST purchase AT LEAST ONE kit for Rs 800/-, apart from registration fee Rs 700/-, because attending a hand-on workshop without a kit would be of no use. A team can purchase more than one kit if each member wants to work on their own. We strongly recommend to have at least one kit for 2 members to get more practical experience.

Certification

1. Certificate for having done an mini project using Arduino and Python
2. Certificate of Excellence for those who completes the problem statement(for one team)

For Queries

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