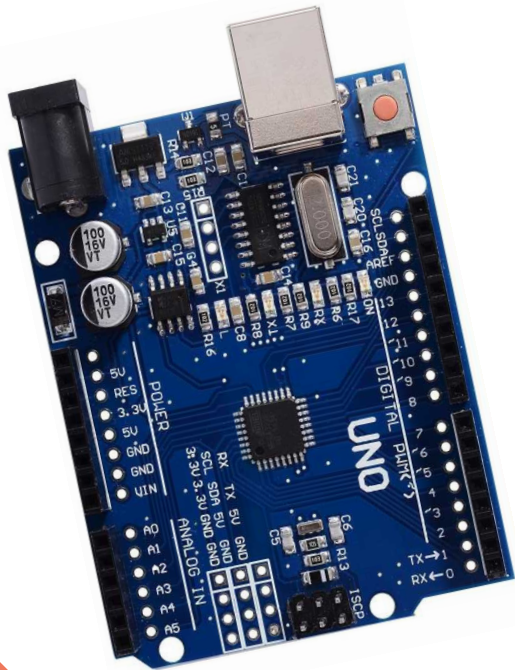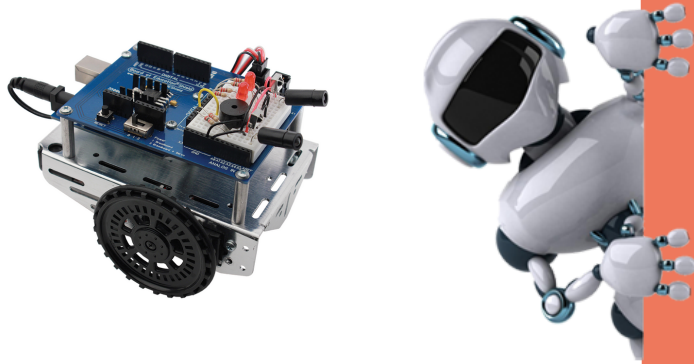"Introduction to Robotics–using ARDUINO microcontroller"

Tech Andromeda

"The technology you use impresses no one , the experience you create with it is everything!!"

Two days Workshop

COMPLETE HANDS-ON EXPERIENCE

About the Workshop

This workshop is conducted for two days and in these two days we will try our best to make each and every student understand the application of Arduino and train them on how to use the sensors and interface it with the arduino.
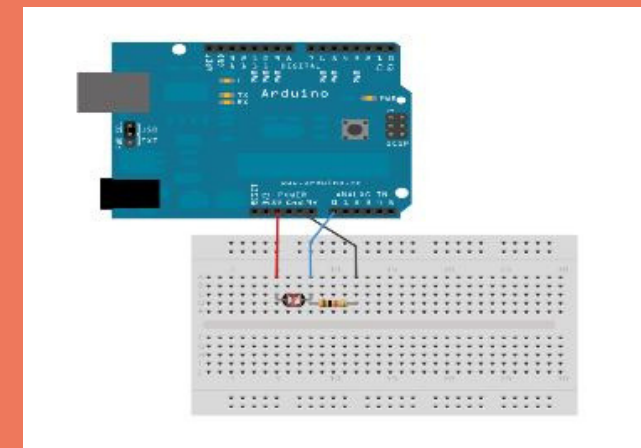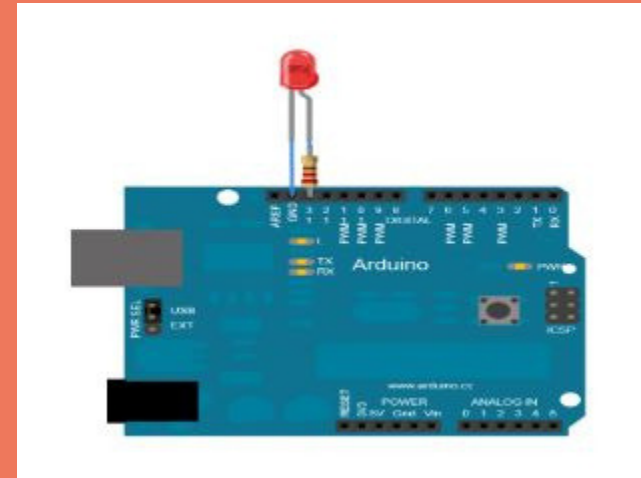
Course Objectivies

- Introduction to Arduino
- Arduino programming
- Input and output functions
- LED interface
- LDR & Temperature Sensor Interface
- Bluetooth Interface
- Bluetooth Controlled Robot
    and much more…….

Essentials

Students are requested to bring at least one laptop per team on every class throughout the duration of the training period.

Application software will be provided and students will be guided on how to install and use the Application.

A team of four students will be given a complete kit that consists of various components at the time of workshop and they have to return it back at the end of the workshop.

TOPICS COVERED IN THE WORKSHOP

Day 1:

Circuit #1 - Blink LED

Circuit #2 - LDR Sensor

Circuit #3 - Seven Segment Display

Circuit #4 - Potentiometer Interface

Circuit #5 - Interface with Sonar

Circuit #6 - Temperature and Humidity

Day-2:

Circuit #5 - Bluetooth with LED

Circuit #6 – Relay Interface

Circuit #7 – Control Relay using Bluetooth

Circuit #8 – Bluetooth Controlled RC Car