GUJARAT TECHNOLOGICAL UNIVERSITY

CiC3

Community Innovation & Co-Creation Centre

ARDUINO
DAY

Arduino is an open-source physical computing platform based on a simple microcontroller board, and a development environment for writing software for the board. Arduino can be used to develop interactive objects, taking inputs from a variety of switches or sensors, and controlling a variety of lights, motors, and other physical outputs. Arduino projects can be stand-alone, or they can communicate with software running on your computer (e.g. Flash, Processing, MaxMSP.)

On Arduino Day students will get introduction to Micro controller board and brief knowledge about Arduino Board. They will be introduced to Arduino Community and get time to play with Arduino board after the event in CiC3 Lab.

Resource Person: Prof. Raj Hakani

Interested Engineering Students can participate in the Workshop.

Fees: 75/- Rs for Student from GTU affiliated Colleges (College ID Card is compulsory)
**   120/- Rs. for Non GTU Students.**
Note: During Two-day Workshop Components will be provided by University (for Hand on Purpose only)

Date: 03/02/2018 and 4/02/2018
Time: 10:30 am-5:00 pm

Venue:
Gujarat Technological University, Community Innovation & Co-Creation Centre,
IIT Gandhinagar Shed No. 2, Near Visat Three Road, Visat-Gandhinagar Highway,
Chandkheda, Ahmedabad

To register: https://goo.gl/forms/erZKCY6VIHTO0E7z1

Since limited seats are available , kindly register at the earliest. Students have to carry their own Laptop.

students will get confirmation by email on or before 5:00 P.M, 01/02/2018.
For any query you can contact: Raj Hakani, Email: ap_raj@gtu.edu.in
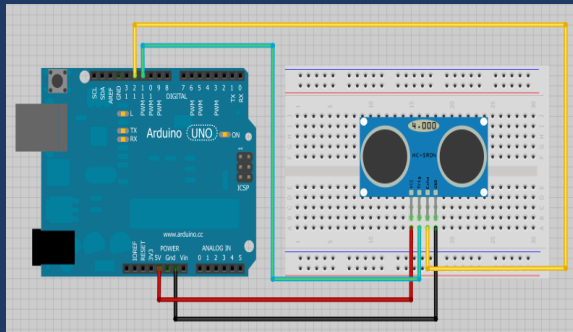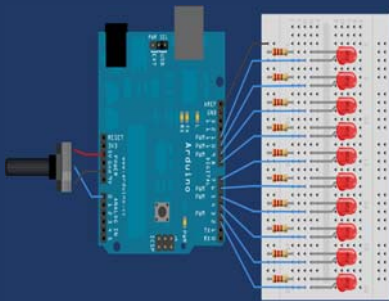
TOPIC will be cover during workshop

Day- 1
- **Basic of Arduino**
- **Interfacing with Basic Electronics Components (LEDs, LCD, 7-Segments)**
- **Interfacing with Sensors**
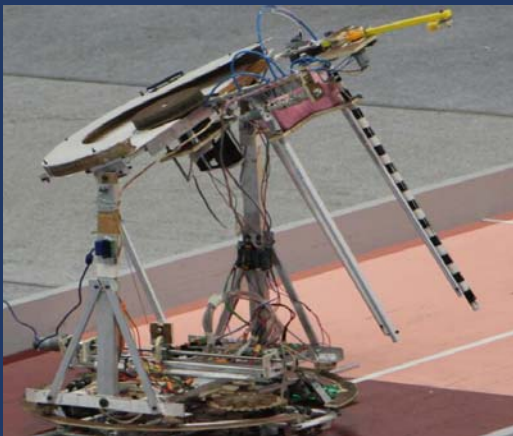- **Interfacing with Actuators**

Day – 2
- **Interfacing with Modules (GSM, Voice Recognition, Bluetooth etc.)**
- **Serial Communication with other Software like Scilab, Matlab, LabVIEW etc.**
- **Mini Projects using Arduino**
- **How to Make Advance Project using Arduino**

Interfacing with Arduino/ Minor Projects

Advance Project

Step for Payment (for reference only)

Step 1: Open Following Link in browser

Link: https://www.onlinesbi.com/prelogin/institutiontypedisplay.htm

Select: **State of Corporate/Institution as Gujarat**
Type of Corporate/Institution: Education Institutes

Press **Go** for Next Step

Step 2: Educational Institutions Name: Gujarat Technological University

Press **Submit** for Next Step

Step 3: Select Payment Category: OTHER FEE_GRANT
Fill up your Detail

Press **Submit** for Payment