

# CiC3

Community Innovation & Co-Creation  
Centre

# Electronics for Copter

This Workshop addresses issues related to hard-ware and software design of embedded sensing devices and applying intelligent control for robots. The development platform is based around the ARM Cortex-M4 cores. The emphasis would be on control panel design using Lab-View, its communication with ARM cortex-M4 and interfacing of various sensors

## Content of Workshop:

- Cortex M4 architecture, Cortex M4 software implementation and debug, Cortex-M4 hard-ware implementation
- STM32F3 Discovery board: Familiarizing with schematic diagram and Device drivers (Source and header files).
- Software programming and sensor interfacing
- LabView interfacing with Microcontroller
- Communication with PC and Discovery board
- Labs using: KEIL ID

## Pre-requisites:

- A basic understanding of microcontrollers is mandatory.
- Knowledge of programming in C
- Students are encouraged to gain some familiarity of integration of various devices like MEM sensors with microcontrollers.
- Basic understanding of LabView.

## Who should attend?

Students and Faculty of

- BE III Electronics, Electrical, Mechanical , Computer Engineering
- BE IV Electronics, Electrical, Mechanical , Computer Engineering
- ME Electrical

An extension of this workshop is likely to be

Resource Person: [Shri Jagdish Sanghani, 40 Years experienced Electrical/Electronic Manufacturing Professional from UK.](#)

To register: <http://goo.gl/forms/zAbqQNCzBc>

Since limited seats are available. Kindly Apply before 4 P.M, 01/04/2015  
Selected Participants will get confirmation by email and SMS on or before 12 P.M Noon, 02/03/2015.

Dates: **3-4 & 10-11-12** of April 2015, Time: 10:00 am to 5:00 pm.



S/D  
I/C Registrar

## Venue:

Conference Hall, Block-6, Gujarat Technological University, L.D. Engineering College Campus,  
Navrangpura, Ahmedabad

For any query you can contact:

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