Scilab-Arduino Workshop
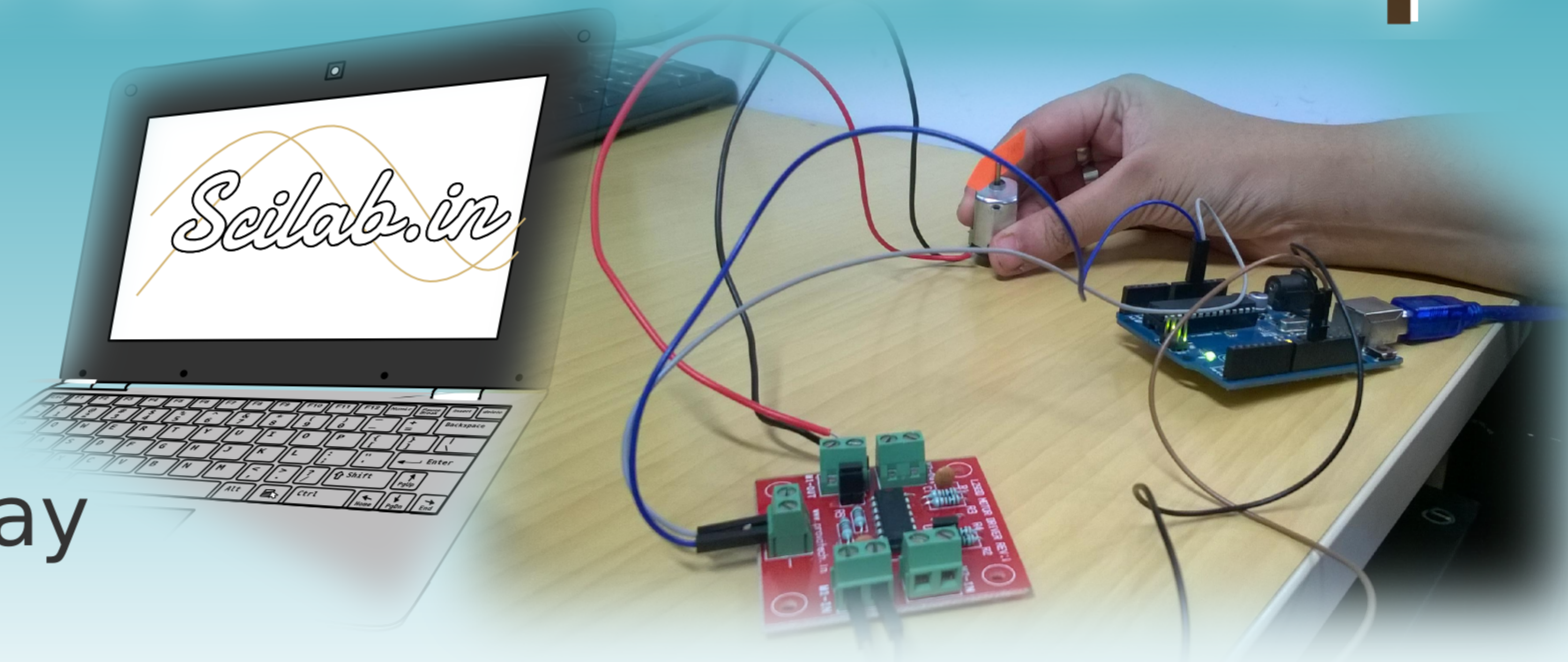
July '15
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LH 101, IIT Bombay

About the Workshop

FOSSEE team at IIT Bombay is conducting a two day workshop on Arduino control through Scilab. Scilab is an open source, user friendly, state of the art, computational engine. Arduino is an open source microcontroller board and an electronic prototyping platform, popular in industry. This workshop is devoted to the control of Arduino board from Scilab. The workshop kit will include an Arduino UNO board, a shield containing sensors and actuators, and necessary documentation. Participants will learn to perform embedded system experiments on the Arduino board using Scilab code and also through the GUI based simulation environment, Xcos.

The development environment is compatible with Windows and GNU/Linux based operating systems.

List of experiments:

- LED Blink
- RGB LEDs
- Light intensity measurement
- DC Motor control
- Push button
- Relay
- Potentiometer
- Temperature sensor
- Demos on some industrial applications

Each participant will get a workshop kit to carry home

| Arduino Board | Shield | Motor Driver | DC Motor | Connectors, USB Cable, Textbook |

Register at: **http://fossee.in/workshop/Scilab-Arduino**

Contact us: scilab-arduino@fossee.in

http://scilab.in

open source hardware

Organised by:

http://fossee.in

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IIT Bombay