

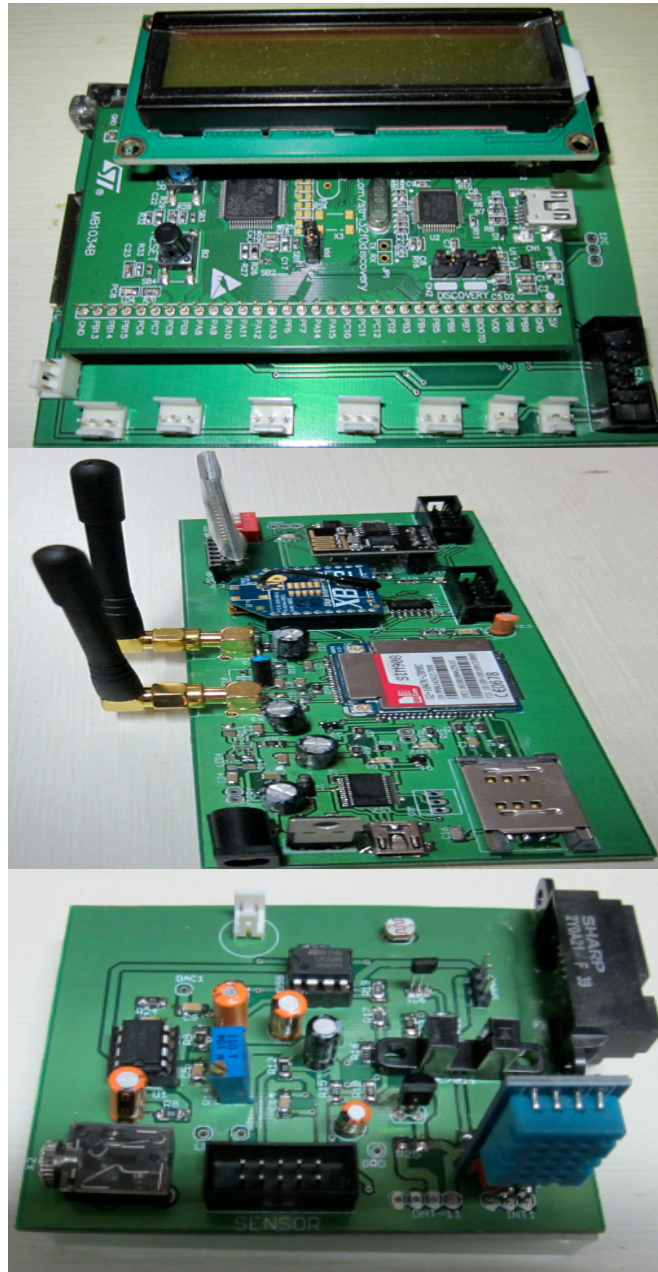
Two-days training on
**“Internet of Things and
Wireless Sensor Networks
(Hands-on Practice)”**

18, 19th February 2017

To,

Department of Electronics and
Telecommunication Engineering,
Sardar Patel Institute of Technology,
Munshi Nagar, Andheri (W),
Mumbai 400 058
Phone: 26707440/26708520 Extn. 380

From,



Bharatiya Vidya Bhavan's



Sardar Patel Institute of Technology

PRESENTS

Two-days training on

**“Internet of Things and
Wireless Sensor Networks
(Hands-on Practice)”**

18, 19th February 2017

Organized by

**Department of Electronics and
Telecommunication Engineering,
Sardar Patel Institute of Technology,
Munshi Nagar, Andheri (W),
Mumbai 400 058**

Tel: 91-22-2670 8520, 26707440, 2628 7250

Fax No.: 91-22-26701422

www.spit.ac.in

Vice Principal
Dr. Y. S. Rao

Principal
Dr. Prachi Gharpure

About us

In 1957, the Bharatiya Vidya Bhavan conceived the idea of establishing an engineering college in Mumbai. It was on the 19th August 1962 that there was a huge gathering at the Bhavan's Campus in Andheri to inaugurate Sardar Patel College of Engineering (SPCE). In 1995 Self Financed Engineering Course were added to it and it functioned as SPCE (Unaided-wing) conducting Electronics Engineering, Computer Engineering and Information Technology courses and Masters course in Electronics since 2005 till 2008. These courses have earned a great reputation in the field of engineering education, as well as industry. Bharatiya Vidya Bhavan's Sardar Patel College of Engineering, Unaided Wing from year 2005-2006 was established in its new building under the name and style of Bharatiya Vidya Bhavan's Sardar Patel Institute of Technology and is affiliated to Mumbai University. Subsequently Electronics and Telecommunication course was started at graduate and post graduate level in the years 2006 and 2010 respectively. In addition to these programs Electronics and Telecommunication and Computer Engineering Departments have started Ph.D. program from 2012.

About the Workshop

The aim of the workshop is to develop a basic understanding of typical IoT applications. It will enable the students to get direct hands-on exposure to some of the basic building blocks. In this workshop Integrated Development Environment using ARM cortex controllers and Wireless Communication Devices will be used. Eclipse development environment, Keil, ARM GCC tool chain and debugging will be used for programming.

Resource Persons:

Dr. Y. S. Rao
Mr. Bhavin Kamdar Embedos Engineering LLP

Schedule:

Hands-on Practical: 10am to 5.00 pm

1. Getting started with STM32f051 boards with GPIO programs
2. Reading sensor values with ADC
3. Serial communication
4. Displaying Sensor values on phone using Bluetooth
5. Displaying sensor data on webpage using WiFi
6. Controlling outputs from webpage using WiFi
7. Uploading sensor data to cloud and accessing it from PC

Venue:

R&D Lab, 310, 3th Floor, S.P.I.T.

Course Fees:

Faculty: Rs. 2400/-
Students: Rs. 1200/- (10% discount to IEEE, IETE & CSI members)
Participants from Industry: Rs. 4000 /-

Registration:

Cash can be paid on the date of workshop, Cheque or DD drawn in favor of "Principal S.P.I.T" payable at Mumbai. Confirm your registration by:

E-mail: ysrao@spit.ac.in

Mob: 9820962870

Two-days training on

"Internet of Things and Wireless Sensor Networks (Hands-on Practice)"

18, 19th February 2017

Name: _____

Designation: _____

Qualification: _____

Experience: _____

Institution: _____

Address: _____

Email: _____

Tel: (O) _____ (Extn.) _____

(M) _____ (R) _____

Payment by Cash / Cheque / DD:

Chq. /DD No: _____ **Dated:** _____

Bank: _____

Amount Rs.: _____

Signature of the participant