

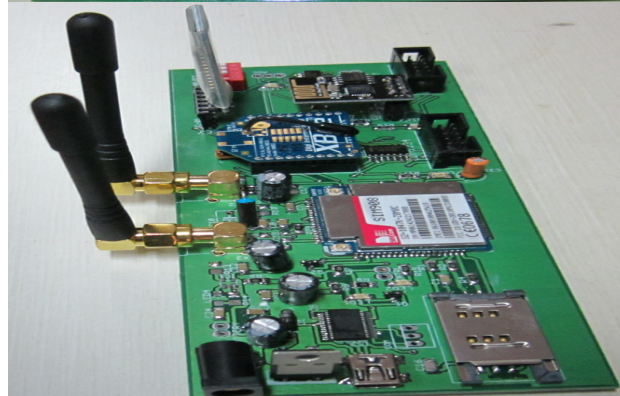
Two-days faculty training on
**“Wireless Sensor Networks
(Hands-on Practice)”**

15, 16th January 2016

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 faculty training on

**“Wireless Sensor Networks
(Hands-on Practice)”**

15, 16th January 2016

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

This workshop mainly covers the Integrated Development Environment using ARM cortex controllers and Wireless Communication Devices. Eclipse development environment, ARM GCC tool chain and debugging in Linux environment will be used for programming. The program is an ideal foundation for faculty to conduct practicals for COMP/IT, Electronics, Electronics and Telecommunication programs for the courses of Wireless Sensor Networks.

Resource Persons:

Dr. Y. S. Rao
Mr. Bhavin Kamdar

Schedule:

Hands-on Practical: 10am to 5.00 pm

1. Wireless Sensor Networks using: Bluetooth, ZigBee, GSM/GPRS, Wi-Fi.
2. Sensor Interface: Temperature, Humidity, Light, Optical, Distance, Magnetic, Audio.
3. Real Time Wireless Laboratory using ARM Cortex Trainer Kits.
4. Open source Tools: Ubuntu, Eclipse, ARM GCC
5. Mini RTOS implementation.
6. Data acquisition & File Allocation Table (FAT) using SDCARD.

Venue:

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

Course Fees:

Faculty: Rs. 1000/-
Participants from Industry: Rs. 2000 /-

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

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15, 16th January 2016

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