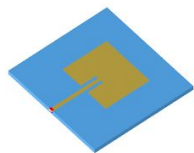




**Electronics and Telecommunication Department**  
*Bharatiya Vidya Bhavan's*  
**Sardar Patel Institute of Technology**  
Presents

**Two day workshop on**  
**“ PATCH ANTENNA DESIGN AND TESTING”**  
(Hands on Practice)

**14th & 15th January, 2017.**



**Organised by**

**Sardar Patel Institute Of Technology**  
**Munshi Nagar, Andheri (W),**  
**Mumbai 400 058**  
**Phone: 26707440/26708520 Extn.380**

**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. 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 Program :**

The program deals with the basic understanding, designing and simulation of the Rectangular Patch Antenna Using simulation software. It also includes Hand on Practice of Simulator and Testing of Antenna using VNA. The program is an ideal foundation for students and faculty of Electronics, Electronics and Telecommunication and electronics program for courses related to Wave Theory and Propagation, RF Modeling, UWB Antennas and Microwave & Radar Engineering. The main motto of the workshop is to enable students and faculty to understand and get acquainted with the concepts related to designing constraints and consideration for a patch antenna using probe and inset feed on simulation environment, which is the heart and soul of all communication systems.

### **Expected outcomes :**

After the completion of this course the student will be able to design, simulate using simulation software using constants and variable parameters, fabrication and testing of patch antennas. They will be able to evolve, develop and improvise different types of patch antennas according to suitable for numerous applications like microwave communication, radar, mobile communication, RFID applications, Dielectric Spectroscopy, Satellite communication, biomedical applications and so on.

### **Who should attend :**

The Faculty and students pursuing degree in electronics and telecommunication.

**Course content :**

**Day 1 : 14th January, 2017.**

9.30-10.00 : Introduction  
11.00-13.00 : Probe feed patch antenna design using constant parameters  
13.00-13.30 : Break  
13.30-14.30 : Probe feed patch antenna design using variable parameters  
14.30-15.30 : Antenna Testing on VNA  
15.30-16.00 : Q&A Session

**Day 2 : 15th January, 2017.**

9.30-10.00 : Introduction  
11.00-13.00 : Inset feed patch antenna design using constant parameters  
13.00-13.30 : Break  
13.30-14.30 : Inset feed patch antenna design using variable parameters  
14.30-15.30 : Antenna Testing on VNA  
15.30-16.00 : Q&A Session

**Speakers:**

Mr. Pramod Bhavarthe  
Research Scholar, Sardar Patel Institute of Technology.

Prof. Reena Kumbhare,  
Associate Professor, Sardar Patel Institute of Technology.

Prof. Pallavi Malame,  
Assistant Professor, Sardar Patel Institute of Technology.

**Registration :**

Please fill online registration at <http://www.spit.ac.in>

**Course fees:**

Registration charges of Rs. 1500/-- in the form of Cash/Demand Draft/Cheque in favor of "Principal, Sardar Patel Institute of Technology" payable at Mumbai should reach to us on or before 11<sup>th</sup> January 2017 along with registration form. Charges will not be returned if candidate is selected and does not attend the course.

**Selection Criteria:**

Maximum 20 participants on "First Come First Serve Basis". Organizing committee's decision will be final in selecting the participants.

**Venue :**

Sardar Patel Institute of Technology , Munshi Nagar , Andheri (W)

**Contact Persons for Registrations :**

Prof. Pallavi Malame (EXTC Dept. Room No.507 B)  
[pallavi\\_malame@spit.ac.in](mailto:pallavi_malame@spit.ac.in)  
9819832583

**Co-ordinators :**

Prof.Reena Kumbhare  
Prof. Pallavi Malame

**College Web site :** [www.spit.ac.in](http://www.spit.ac.in)

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Qualification:** \_\_\_\_\_

**Experience:** \_\_\_\_\_

**Institution:** \_\_\_\_\_

**Email:**  
\_\_\_\_\_

**Tel: (O)** \_\_\_\_\_ **(Extn.)**

**(M)** \_\_\_\_\_ **(R)**

**Payment by Cash/DD/Cheque drawn in the favor of "Principal, Sardar Patel Institute of Technology", payable at Mumbai of Rs. 1500/--**

**DD No:** \_\_\_\_\_ **Dated:** \_\_\_\_\_

**Bank:** \_\_\_\_\_

**Signature of the participant :**

