

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



Presents

One day Hands on training workshop on
“ MICROSTRIP PATCH MIMO ANTENNA DESIGN
USING IE3D AND TESTING”
8th October, 2016

Organised by

Sardar Patel Institute Of Technology
Munshi Nagar, Andheri (W),
Mumbai 400 058
Phone: 26707440/26708520 Extn.383

Vice Principal
Prof. Y.S. Rao

Principal
Prof. 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 MIMO Microstrip Antenna Using IE3D software. It also includes Hand on Practice of Testing of Antenna and demonstration of the antenna fabrication. The program is an ideal foundation for faculty of Electronics, Electronics and Telecommunication program. and PG and PhD research scholars working with multiband Antennas. The main motto of the workshop is to enable students and faculty to understand and get acquainted with the concepts related to design constraints in consideration for a microstrip antenna, which is the heart and soul of all communication systems.

Expected outcomes :

After the completion of the course student will be able to design, simulate using IE3D software, 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 and biomedical applications.

Course content :

Session 1 :

9.00-9.30 : Registration
9.30-10.30 : Introduction to MIMO
10.45-13.00 : Stage I Design of Antenna using IE3D
13.00-14.00 : Lunch Break

Session 2 :

14.00-16.00: Stage II Design of Antenna using IE3D
16.00-17.00: Fabrication and testing using VNA

Resource Persons:

Prof. Sukanya Kulkarni
Mr.Makarand Nikam
Mr.Chetan Bambarkar

Course fees:
Rs. 500/- (Cash/cheque)

Venue: Address :

R&D Lab, 310, 3rd Floor, Sardar Patel Institute of Technology , Munshi Nagar , Andheri (W)

Registration :

The registration fee will be collected by cheque or cash.

Contact Persons for Registrations :

Mr. Makarand Nikam
makarandn55@gmail.com
9869773030

Mr.Chetan Bambarkar
chetan193781@gmail.com
7738718643

Co-ordinator :

Prof.Sukanya Kulkarni

College Web site : www.spit.ac.in

Who should attend :

U.G./P.G./PhD Students and Faculty of Engineering colleges.

Name: _____

Designation: _____

Qualification: _____

Experience: _____

Institution: _____

Email: _____

Tel: (O) _____ **(Extn.)**

(M) _____ **(R)**

Payment by Cash /Cheque

Amount Rs.: _____

Cheque No.: _____

Drawn on Bank: _____

Signature of the participant :