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

One day workshop on

" MICROSTRIP PATCH ANTENNA DESIGN USING IE3D AND TESTING"
(Hands on Practice)

1st October, 2016

Organised by

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

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 Rectangular Patch 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 students and faculty of Electronics, Electronics and Telecommunication and electronics program for courses related to Wave Theory and Propagation, RF Modeling & 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 EM Wave propagation and designing constraints and consideration for a microstrip patch antenna , 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 IE3D software,fabrication and testing of patch antennas. They will be able to evolve, develop and improvise different types of patch antennas according 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 students pursuing degree in electronics and telecommunication.

Course content :

Session 1 :

9.30-11.00 : Nascent Trends in Antenna
11.00-12.30 : Introduction to Antenna Designing
12.30-13.00 : Break

Session 2 : (Parallel Sessions)

13.00-16.00

- Antenna Design using IE3D
- Antenna Fabrication Demo
- Antenna testing using VNA

Speakers:

Mrs. Twisha Upadhyay, Senior Research Scientist, Society for Applied Microwave, Electronics Engineering and Research, SAMEER , Mumbai

Prof. Reena Kumbhare, Sardar Patel Institute of Technology,

Prof. Pallavi Malame, Sardar Patel Institute of Technology

Course fees:
Rs. 50 /-

Venue: Address :

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

Registration :

The registration fee will be collected while submitting this form.

Contact Persons for Registrations :

Prof. Pallavi Malame (EXTC Dept. Room No.508)
pallavi_malame@spit.ac.in
9819832583

Co-ordinators :

Prof.Reena Kumbhare
Prof. Pallavi Malame
Forum of Electronics and Telecommunications Committee members

College Web site : www.spit.ac.in

Name: _____

Designation: _____

Qualification:_____

Experience:_____

Institution:_____

Email:_____

Tel: (O) _____(Extn.)

(M)_____(R)

Payment by Cash

Amount

Rs.:_____

Signature of the participant :