



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

**AICTE-ISTE Approved One Week CAS Program
on**

**“ ADVANCES IN RF COMMUNICATION AND
ANTENNA DESIGN-II”
(Hands on Practice using Ansys HFSS)**

12th to 16th June, 2018.

Organised by

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

**Dty HOD (EXTC)
Prof. D.D. Ambawade**

**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, Computer Engineering started Ph.D. program from 2012, MCA from 2016 and Electronics from 2017. University of Mumbai has conferred Autonomous Status to S.P.I.T. for a period of five years from the academic year 2017-18 to 2021-22.

About the Program :

After the success of our first program we are happy to come up with our second program which deals with the basic understanding, designing and simulation of Antenna. The program is divided into five sessions on Design for inset feed using Ansys High Frequency Simulation Software, Meta-materials, UWB Antenna, wearable antenna and Metamaterials. 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, RFID, biomedical Engineering 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 RF Communication.

Expected outcomes :

After the completion of this course the student will be able to evolve, develop and improvise different types of antennas according to their needs, 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	Speaker	Content
12th June, 2018. (9.00-5.00)	Prof. Pramod Bhavarthe (Research Scholar, SPIT), Prof. Reena Sonkusare (SPIT), Prof Pallavi Malame (SPIT)	Basics of Patch Antenna and its Simulation using HFSS (Variable and Constant Method)
13th June, 2018. (9.00-5.00)	Prof. Pramod Bhavarthe Prof. Reena Sonkusare , Prof Pallavi Malame	Basics of Meta-materials and dispersion analysis using HFSS (Hands on Training)
14th June, 2018. (9.00-5.00)	Prof. Pramod Bhavarthe Prof. Reena Sonkusare , Prof Pallavi Malame	UWB Monopole Antennas with Meta-materials and its simulation in HFSS (Hands on Training)
15th June, 2018. (9.00-5.00)	Prof. Pramod Bhavarthe Prof. Reena Sonkusare , Prof Pallavi Malame	Monopole antennas for body area network application with reduce SAR
16th June, 2018. (9.00-5.00)	Prof. Pramod Bhavarthe Prof. Reena Sonkusare , Prof Pallavi Malame	Fabrication, Testing of Patch Antenna and Recent advances in Meta-materials

Registration :

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

Course fees:

Registration charges of Rs. **6000/--** in the form of Cash/Demand Draft/Cheque in favor of "S.P.I.T. Allied Division" payable at Mumbai should reach to us on or before 5th June, 2018 along with registration form. Charges will not be returned if candidate is selected and does not attend the course.

Selection Criteria:

Maximum 15 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
9819832583

Co-ordinators :

Prof.Reena Kumbhare
Prof. Pallavi Malame

College Web site : 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

"S.P.I.T. Allied Division" payable at Mumbai of Rs.

6000/--

DD No: _____ **Dated:** _____

Bank: _____

Signature of the participant :

