Department of Electronics and Telecommunication Engineering

of

Bharatiya Vidya Bhavan's

Sardar Patel Institute of Technology

Autonomous Institution affiliated to University of Mumbai

Munshi Nagar, Andheri(W), Mumbai 400 058.

Announces **AICTE-ISTE Approved**
One Week Short Term Training Program (STTP)
under **Career Advancement scheme (CAS)**

on

"Pushing Boundaries of Wireless Technologies"

02nd Jan to 06th Jan 2018

Course Co-ordinator
Prof. Sukanya A. Kulkarni

Dean R & D and HOD EXTC
Dr. Y. S. Rao

Dept. R & D Co-ordinator
Dr. Preeti Jani

Principal
Dr. Prachi Gharpure

About S.P.I.T.

S.P.I.T., Autonomous Institution affiliated to University of Mumbai under the umbrella of Bharatiya Vidya Bhavan, has been imparting the technical education since 1962. Institute runs four UG, three PG and two PhD Programs. Department of Electronics and Telecommunication Engineering has earned a great reputation in the field of engineering, education as well as industry. It has well qualified and experienced faculty with areas of specialization in Communication, Networking, RF & Antenna design, Signal & Image processing and Embedded systems. The labs in the department are well equipped with state of the art infrastructural facilities. The department regularly organizes value added courses and STTPs. Department is accredited by National Board of Accreditation.

About STTP:

Extreme communication environments have been attracting growing interest from both academia and industry in an effort to conquer the last wireless communication frontiers. Wireless Communication Networks are perhaps the nucleus to the modern communication technology and have profound influence in the lives of the people.

The goal of the workshop is to unveil the latest wireless technology developments, from the physical layer all the way to the application layer with a focus on bridging the gaps between theory, algorithms and practical system implementations. Also to bring together the representative industry views from different wireless domains for discussion and debate on the roles, co-existence and collaboration of these wireless domains.

The workshop will comprise of invited presentations and panel sessions by industry experts and academics. The scope of this workshop covers a most of the aspects of the Wireless systems, industry and home appliance applications. Workshop also covers interoperability, standards, modeling, design, simulation, control systems, analytical methods and health and safety aspects.

Delegates from NI and NIHON communication are giving talk on SDR, Cyber Security and Communication.

Course Objectives :

- To provide the participants with a strong background on Wireless Technologies.
- To provide hands on training using various simulation tools to solve practical problems.
- To understand Wireless Technologies and how they apply to real world.

Course Content:

1. Recent trends in Wireless Technologies.
2. SDR, Cyber Security and Communication.
3. Game theory and applications in WSN.
4. Machine learning for efficient 5G wireless technology.
5. Issues and Challenges in 5G wireless Networks.
6. IRNSS and Scintillation measurement.
7. Forensic Science.
8. Simulation using GNU Radio.
9. Artificial Intelligence.
10. Interfacing USRP and LabView.
11. Simulation using OMNET.
12. Modeling of wireless networks using Neural Network.

Speakers :

1. Delegates from National Instruments (NI).
2. Delegates from NIHON communication.
3. Dr. Saurabh Mehta (VIT)
4. Prof. J. M. Kundargi (KJSCE)
5. Dr. Sanjay Pawar (UMIT-SNDT)
6. Prof. Sonal Parmar (NMIMS)
7. Dr. Nilakshi Jain (SAKEC)
8. Dr. Y. S. Rao(S.P.I.T.)
9. Dr. Preeti Jani (S.P.I.T.)
10. Dr. Parul Shah (S.P.I.T.)
11. Prof. Sukanya Kulkarni (S.P.I.T.)
12. Prof. Anand Mane (S.P.I.T.)
13. Prof. Vijaya Kamble (S.P.I.T.)
14. Prof. Milind Paraye (S.P.I.T.)

Who should Attend:

- Faculty from AICTE recognized Engineering colleges.
- Delegates from industries and other organizations working in the field of wireless communication.
- Research scholars, PG students.

Registration :

Offline : Fill the Application Form and send it on below mentioned address or send a scan copy on coordinator's mail Id

Online : Please visit

Registration Link :

https://goo.gl/forms/E2x07WMwRE6pMGx52

Website Link :

http://www.spit.ac.in/2017/11/20/one-week-short-term-training-programme-sttp-on-pushing-boundaries-of-wireless-technologies/

You are requested to send fees through Cheque/Cash/DD along with Application form by hand or post on or before 26th Dec 2017. Cheque or DD should be drawn in favour of "S.P.I.T., Allied Division", Payable at Mumbai.

Course Fees:

Participants from Academic Institutes:	**Rs. 5000 /- only**
Participants from Industry:	**Rs. 6000/- only**
Research scholars/PG students	**Rs. 4500/- only**

Course Schedule :

Dates : 02nd Jan to 06th Jan 2018
Program : 9 to 1 PM and 2 to 5 PM
        (Lunch time 1:00 PM to 2:00 PM)

Course Venue: (SPIT)

1. Lectures: Room No: 503.
2. Practical: Room No: 503, 310.

How to Reach :

You can reach to Andheri(W) station by train.
Take Auto or BEST bus and ask for Bhavan's College Campus.
Bus nos: 249,250, 257,254,252.
If you take Metro alight at Azad Nagar station and walk down to S.P.I.T

Contact Person for registration :

1. Course Coordinator
   Prof. Sukanya Kulkarni (EXTC Dept. Room No. 502, EXT. 383), 9820460349
   E-Mail : sukanya_kulkarni@spit.ac.in
2. Course Co-Coordinator
   Prof. Milind Paraye (EXTC Dept. Room No. 506, EXT. 386), 9767101564.
   E-Mail : milind_paraye@spit.ac.in

Coordinator:
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