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

Two Days Workshop on
" Cyber Security: Hands-on Industrial Training"
with knowledge partner : Tata Consultancy Services (TCS)

7th & 8th July, 2018.

Organised by

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

Program Coordinators
Dr Preetida Jani, Professor, EXTC
Dr Sujata Kulkarni, Associate Professor, EXTC

Deputy HOD (EXTC)
Prof. D.D. Ambawade

R &D Dean   **Principal**
Dr. Y.S. Rao   **Dr. Prachi Gharpure**

About us:

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.

Industrial Goal :

Given the growing complexity of industrial environment, it is important that organizations make an effort to adequately protect against digital threats. Doing so requires a multi-step approach that focuses on network security, endpoint security, and industrial controller security. Considering this, SPIT and its Industrial Knowledge Partner TCS aimed to provide hand-on cyber-security training in network and application area using various security tools.

Registration :

Please fill online registration on college website : http://www.spit.ac.in

Course fees:

Registration charges of Rs. 1500/-- in the form of Cash should reach to us on or before 20th June, 2018 along with registration form. Charges will not be returned if candidate is selected and does not attend the course.

About the Program :

We are happy to come up with this 2 days workshop which provides a practical industrial view about Cyber Security. Further, the workshop is structured to help participants recognize:
- How attacks against *application* and networked systems can launch,
- Why and how attacks work, and
- Learn and implement mitigation strategies/tools to increase the cyber security posture of applications and networks.

The hands-on training is split into six sessions: (1)Emerging trends of network security:An Overview, (2) GNS 3 Firewall and hands on practice session (3) Network Discovery and Mapping for vulnerability scan and management, (4) Network penetration Detection and report Analysis (5) Web-Application security tools (6) Mobile applications security tools.

Expected outcomes :

After the completion of this course with the extensive hands-on activity which includes analysis of application network system architecture, security vulnerabilities, and mitigation strategies unique to the application and network domain respectively. Hence, participants will get experience of how various strategies/tools work (e.g. GNS3, Nessus. PT, configuration and overview of OWASP-webgoat, ZAP, XAMPP, Mobile application security tools) and develop cybersecurity skills that they can apply in their work environment in the long run.

Who should attend :

Faculty, PhD & PG students pursuing degree in Electronics and Telecommunication, Electronics, Computer and I.T.

Course content :

Day	Speaker	Content
7th July, 2018. (9.00-5.00)	Preetida Jani Sudhakar Prabhu and Ankita Patel, SOC Team Lead (TCS)	Packet Tracer (hands-on) for various security architecture Brief about technologies next generation firewalls, ASA firewall, using GNS 3 Firewall and hands on practice session, Vulnerability Management using tools like (Nessus), Penetration testing
8th July, 2018. (9.00-5.30)	Shahla Khan, Cyber Security Practice (TCS) Sujata Kulkarni	Application Security Fundamentals, Handson configuration on BurpSuite Tool, OWASP Webgoat, Nmap/ Zenmap tool and more. Software tools in Biometric domain

Selection Criteria:

Maximum 25 participants on "First Come First Serve Basis". Organizing committee's decision will be final in selecting the participants. After successful completion of this workshop, participants will be awarded certificates by Tata Consultancy Services (TCS).

Venue :

Room 503, Sardar Patel Institute of Technology, Munshi Nagar, Andheri (W)

Contact Persons for Registrations :

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Co-coordinators :
Prof. Aayesha Hakim
Prof. Sneha Weakey

Name:_____

Designation:_____

Qualification:_____

Experience:_____

Institution:_____

Email: _____

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

(M)_____

Payment by Cash to reserve the slot on or before 20ᵗʰ June, 2018 to one of the contact persons at S.P.I.T.

Signature of the participant :