SARDAR PATEL INSTITUTE OF TECHNOLOGY

brings you

THE + SMART WAY TO GROW KNOWLEDGE

CNSE

CERTIFIED NETWORK AND SECURITY EXPERT

USING OPEN SOURCE TECHNOLOGY

Think of this course like an on-the-job-training in IT Industry.

1) UNIQUE course on opensource technology in a renowed institution “SPIT”

2) All software has source code. Open source software grants every user access to that code. Lets you to understand the technology and not it’s overview.

3) No more technology lock-in. No more monopolies

4) Open source model often builds higher quality, more secure, more easily integrated software. And it does it at a vastly accelerated pace and often at a lower cost.

5) lectures from experienced faculties, in the field of networks,web security and opensource technology.

- **Linux system and network Administration**
- **Customization of Linux Live CD**
- **Rescue with Linux Live CDs**
- **Open Source Security information management**
- **Vulnerability assessment (CVA from DNV)**
- **Web apps security as per (OWASP)**
- **Creating Private cloud using open source security**
- **Cloud Security**

Certified Network and Security Expert Using Open source Technology - Curriculum

Linux Lab

COURSE OBJECTIVES:

The primary objective is to cover hands on practical on Linux. This course involves Linux administration, networking, creating your own customized Linux distro, security, setting up firewalls and working with live cds

OSISM (Open Source Security Information Management) Security Engineer

COURSE OBJECTIVES:

A Reliable and Mature SIMOSSIM, Open Source Security Information Management, is a mature information security solution that reliably addresses all of the technology layers required to cover the complete security management cycle. OSSIM compiles more than 15 of the most powerful open source security programs, and collects events from many more to provide a clear view of enterprise information risk.

Private cloud using open source technology and cloud Security

COURSE OBJECTIVES:

This course develops the skills and knowledge a system administrator needs to deploy and manage Ubuntu Enterprise Cloud (UEC) in an enterprise setting. Faculty demonstration and hands-on activities lead students through the hardware, software and networking requirements and the installation, configuration and use of management tools

Web Application Security / web Application Penetration testing

Web Apps security as per (Open Web App Security Project –OWASP)

COURSE OBJECTIVES:

To Understand the Vulnerabilities and anatomy of attack in Web applications, understand the concepts involved in Web application security and use the tools and techniques involved in Web application penetration testing.

Certified Vulnerability Assessor course approved by DNV

COURSE OBJECTIVES:

There is a lack of structured methodology to plan, conduct, report and follow up a vulnerability assessment program. Certified Vulnerability Assessor TM course is designed to empower the information security professionals, Network Administrators, System Administrators, IT system Auditors, security standard implementers and consultants to use a structured methodology to plan, conduct, report and follow-up a vulnerability assessment program. This course also aims to impart necessary knowledge and skills to the professionals, to understand and use necessary tools for a proper assessment and reporting.

Faculty Profile

Dr. Deven Shah

H.O.D Information Technology Department

Qualifications:

- PhD(computer engg) NIT Surat
- ME Information Technology Mumbai University.
- BE Electronics and Telecommunication Mumbai University

Publications:

- INTERNATIONAL JOURNAL: 3
- INTERNATIONAL CONFERENCE PAPERS: 7
- NATIONAL CONFERENCE PAPERS: 7

Author and Co-author of books:

- Author: “Complete Guide to Internet and Web Programming”, Dreamtech
- Co-Author: “Object Oriented Software Engineering”, Dreamtech
- Co-Author: “Software Engineering”, Dreamtech
- Co-author: “Information Security”, Wiley India
- Co-author: “Linux Labs”, Dreamtech

Prof. Dayanand Ambawade

Professor Electronics & Telecommunication

Qualifications:

- M. Tech (Communication) IIT,Bombay
- B. E. (Electronics) W.C.E, Sangli

Experience

Installation of Linux Systems and Integrating with Windows Systems, Connecting Heterogeneous Networks with Samba, Setting up necessary network services (DNS, SQUID, LDAP, DHCP, FTP, Telnet, Apache/PHP, and Mail etc.), Adding users to the Development Group Server with proper permissions, Writing Necessary Scripts for the Automation of taking Weekly and Daily Backups.

- Network Configuration (Ethernet/Switches/Router/Firewall)
- Hardening OS, Kernel Compilation
- Server Installation, Configuration & Performance Tuning

Course schedule, registration and fee structure

For registrations: **mailto:** opensource.cnse@gmail.com

Or

Contact Prof Mahendra Mehra: 9987991537 / 8149327826

Schedule 1. Course Duration: 4 Hrs. a Day / Five Days a week - 2 Months

Schedule 2. Course Duration: 2 Hrs. a Day / Five Days a week - 4 Months

Fees for the course **25000/-**