

## Network Security

This workshop is to teach the basic principles of information/network security from the perspective of providing security awareness and its best practices for the real world applications. It is also aimed at increasing the state-of-the-art technologies for protection of network and network-accessible resources from different types of attacks. Furthermore, a handful of network security tools will be demonstrated to provide opportunities to the participants to update their knowledge and allow them to interact for further collaborative works.

### Topics Covered:

#### Day 1

- Information Gathering
- Google Hacking
- Port Scanning
- Packet Sniffers
- System Hacking & Security

#### Practical

- Using various Information Gathering Tools
- Using NMAP for Port Scanning
- Using Wireshark for Packet Sniffing

#### Day 2

- Penetration testing
- Viruses and Backdoors
- DoS and DDoS Attacks
- Cryptography
- Web Application vulnerabilities

#### Practical

- Penetration Testing with BackTrack Linux
- Creation & Detection of Viruses
- Full Disk Encryption with TrueCrypt
- Using DoS attack Tools



**Duration:** The duration of this workshop will be two consecutive days, with six hour session each day in a total of twelve hours.

**Fees:** Rs. 1200/- per head inclusive of all taxes

