

MSIT Second Year Syllabus
COMPUTER NETWORKS & INFORMATION SECURITY
SPECIALIZATION

Mini Semester III:

Network Security Foundation

Course ID : CN2341

Duration : 4 Weeks

Credits : 4

DESCRIPTION:

Objective of the course is for the students to understand, traditional way of securing the network and look into much bigger picture of future network security concepts. Network security, no longer is looked at as the end point which could be assumed as secure. We look forward to de-perimeterization as defacto principle for securing future networks.

Syllabus:

- Security properties
- Inventory classification and assessment
- Fingerprinting and scanning
- Security policie
- Host hardening
- Firewall
- IP tables
- Wireless security
- Public key infrastructure
- Virtual private network using end to end security properties
- Proxy servers
- Intrusion detection system
- Study on Distributed DOS attacks
- Business case on Information Security