

# Workshop On Networking



## Introduction to Networking:

- What is Networking?
- Types of Networks
- Logical Address & Physical Address
- IPv4 & IPv6 Address
- Subnet Mask & Network Mask
- CIDR & VLSM

# Awareness to students about:

- Static IP Allocation
- Dynamic IP allocation
- DHCP
- DNS
- Firewall
- Proxy Server
- Port Forwarding
- Port Blocking
- VPN
- Voice Over IP
- Remote Desktop Connection
- Remote Desktop assistance
- FTP Server
- Web Server
- File Sharing

## ➤ **Working on Windows Group Policy Managements**

- Map network drive.
- Deny read/write access of removable disk.
- Disable USB option
- NTFS security
- Creating virus shutdown/delete any drive
- Disk Quota Management
- Create Bootable USB Drive
- Block any Website
- Disable Changes to System network settings

## ➤ **Working on Linux**

- Unlock any Locked Linux account
- Creating samba server
- Creating ftp server
- Linux servers

# ➤ Requirements

## Software

- **Operating System** Microsoft Windows 7/8/10(32 or 64 bit)
- **Linux System** Ubuntu 12.04 /14/16 (32 or 64 bit)
- **Google Chrome** Any Version

## Hardware

- **Hard disk:** 80GB minimum
- **RAM :** 2 GB RAM minimum, 4 GB RAM recommended
- **Screen Resolution:** 1280\*800 minimum

# Benefits of Students attend this workshop

- Learn latest Networking tools.
- Protect your system from attack.
- Enhance knowledge of OS.
- Understand modern Security Protocols.
- To manage and understand basic to advance networking tips.