Networking COURSE

Duration: 30 hours (2 weeks)
Fees: 4000/-
Faculty: Prof. Monali Shetty

Eligibility:- Any Graduate

Course Index

Basics of Hardware   **(Week 1)**

- Network Components
   Introduction of Network Cable like UTP, STP, Fiber Optics, Hub, Unmanageable
   Switch, Manageable Switch, Router, Modem, Wi-Fi, Access Point, PCI Wireless Card,
   USB Wireless Device, Server Hardware etc.
- Virtual OS installation
- Networking Basics
   Introduction to networks and networking, LAN, VLAN, CAN, MAN, WAN, Internet and
   Intranet etc. Uses and benefits of Network, Server-client based network, peer to peer
   networks.
- Transmission Media and Topologies
   Media types: STP cable, UTP cable, Coaxial cable, Fiber cable, Base band and
   Broadband transmission, Cables and Connectors, Physical and logical topologies, Bus,
   Star, Ring and Mesh topologies
- TCP/IP and Sub-netting
   Introduction about TCP/IP and Sub-nettings, configuring IP address

Networking Basics   **(Week 2- day 1)**

- OSI 7-Layer Model Overview
- Switching Technologies
- Switch stacking
- Switch Board Wiring and Testing
- Accessing switch
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Wireless LAN – Useful for Dlink Certification   **(Week 2 - Day 2)**

- Introduction to Wireless
- Wireless Access Point Operation Modes
- Antenna Fundamentals
- Introduction to Unified wireless solution