SIGMA

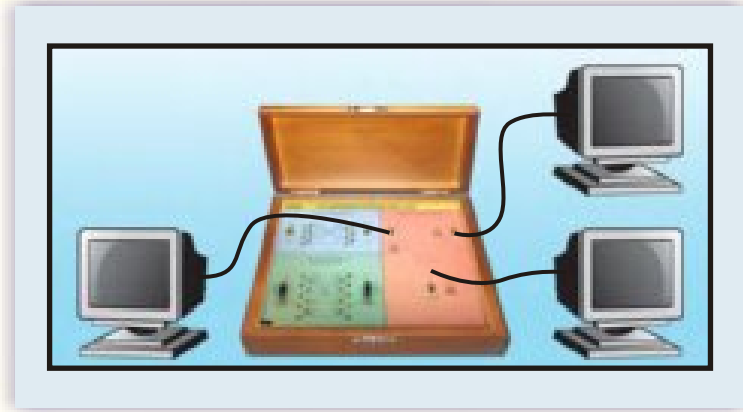# LOCAL AREA NETWORK TRAINER

MODEL - LAN100P

This trainer provides training of hardware and software theory of Local Area Networking of Computers

SPECIFICATIONS

1. 10/100 Mbps 8 Port Hub with 3 UTP Cables
2. Power Supply   :   230V 50 Hz AC
3. Books for Computer Network & Protocol :   10 Nos in pdf Format
4. Mp4 Video Class for Computer Network & Protocol: 40 Classes in Mp4 on DVD / Pen Drive

Three Computer Systems with CDROM Drive & Plain Hard Disk is to provided by Customer to operate this trainer.

EXPERIMENTS

1. To install LAN and demonstrate client-server and peer to peer mode of configuration.
2. To install and configure Web server.
3. To install and configure FTP Server.
4. To Study of DNS, SMTP & POP3. To determine local host address.
    To Ping to a host using its NetBIOS name. To add IP addresses/host name mappings to the local host file.
    To Configure DNS service on Windows 2003 server.
    To use Domain Name Service to resolve host names into IP addresses.
    To interact with an Email server using SMTP and POP3 protocols commands.
5. To install and configure Telnet server and make Telnet communication.
6. To install and configure Proxy server.
7. To install and configure DHCP server.
8. To study of IP Addresses subnetting and CIDR
9. To study of Network monitoring Tools and Software
10. To socket Program for client/Server application using Linux OS
11. To configure Router & Study of Routing between two LAN's
12. To write a program for Encryption and Decryption
13. To Write a program for implementation of Shortest Path algorithm.
14. To simulate LAN or WAN using Network simulator.
15. To study of Network Protocol Analyzer Tool and Software