

## **Module 2.1    NETWORK TECHNOLOGIES**

### **N/W ESSENTIALS**

Introduction to N/W, LAN-WAN media, LAN topology, Media access methods, Media Transport tech. Ethernet stds. Cabling, Server Clients, Transmission methods, Media clients devices, LAN devices, Wan devices, LAN segmentation, O.S.I. reference model, IP addressing, TCP/IP Model, Routed Routing Protocol, Intro. To CISCO routers, Dedicated Wan Service, PSTN based WAN service

### **BASICS OF NETWORK ADMINISTRATION OF WINDOWS 2000/2003**

Windows 2000/XP professional

Intro. to Windows 2003 server family (Difference in Ent. and Std. edition)

Installation of Windows 2000/2003 & Xp

### **USER MANAGEMENT & LOCAL SECURITY POLICIES**

Disk Management

Disk fault tolerance RAID Types, Dynamic Disks etc

### **Security in FAT & NTFS**

### **PATCHING & SERVICE PACKS**

#### **DHCP Server**

Principles, concepts & utilisation

#### **DFS Server**

Principles, concepts & utilisation

### **INSTALLING TERMINAL SERVER**

### **CONFIGURING ZONES, HOSTS IN DNS**

### **ROUTING & REMOTE ACCESS**

### **WIN 2000 AS ROUTER**

### **ACTIVE DIRECTORY, MANAGING DOMAIN USERS,**

ADS, Group Policy Management

### **DOMAIN SECURITY POLICIES, INSTALLING IIS, CONFIG WEB SERVER, FTP SERVER**