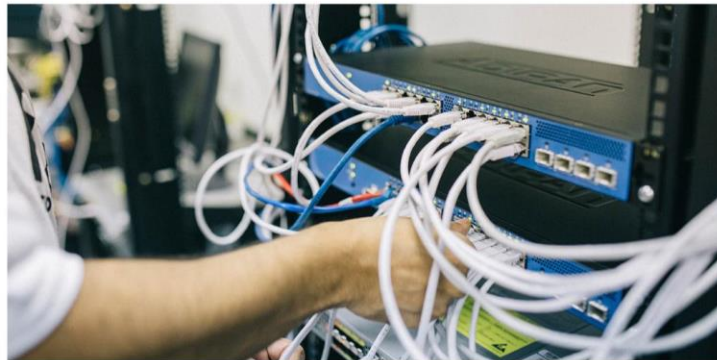


# ROOMAN TECHNOLOGIES



## NETWORKING



### Basic Network Theory

- Network Definitions
- Network Models
- Connectivity
- Network Addressing
- Signaling Concepts

### Network Connectivity

- The Data Package
- Establishing a Connection
- Reliable Delivery
- Network Connectivity
- Noise Control
- Building Codes
- Connection Devices

### Advanced Network Theory

- The OSI Model
- Ethernet
- Network Resources
- Token Ring/IEEE 802.5
- FDDI

- Wireless Networking

### Common Network Protocols

- Families of Protocols
- NetBEUI
- Bridges and Switcher
- The TCP/IP Protocol
- Building a TCP/IP Network
- The TCP/IP Suite

### TCP/IP Services

- Dynamic Host Configuration
- DNS Name Resolution
- NetBIOS Support
- SNMP
- TCP/IP Utilities
- Upper Layer Services: FTP , HTTP, SMTP, POP3

### Network WAN Infrastructure

- The WAN Environment
- WAN Transmission Technologies
- WAN Connectivity Devices

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# ROOMAN TECHNOLOGIES

Voice Over Data Services

## **Remote Networking**

Remote Networking

Remote Access Protocols

VPN Technologies

## **Advanced Data Storage Techniques**

Enterprise Data Storage

Clustering

Network Attached Storage

Storage Area Networks

## **Foundation of Security**

Essential Terminology

Firewall, IDS ,IPS, VPN

Virus, Trojan, Phishing

Malware, Spyware, Adware

Defining Security

Need for security

Cyber crime

## **Desktop Security**

Hardening of Operating System

Updating the system and configuring the updates

Deployment of OS Firewall

Configuring Firewall Exceptions

Internet Explorer Setting

## **Administering Windows Security**

Commonly used services and Ports

How to find services and ports they listen on ?

Kill Suspected Process and close ports?

Overview of the windows registry?

Tools for PC- Tuning and Optimization

## **Wireless Basics**

Introduction to Wireless Network

Types of 802.11 Network

Ad-Hoc and Infrastructure Network

## **Configuring WLAN and Security**

Setting up a Wireless Network

Bridging the Wireless Network with Wired

## **Network**

Roaming within a WLAN

Configuring WLAN Security

## **Broadband Setting and Configuration**

Features of various Broadband Routers

Setting configured by renowned ISP

Configuring NAT and Security

Access your PC using Virtual Server and

Dynamic DNS

## **Network Troubleshooting**

Using a Systematic Approach to

Troubleshooting

Network Support Tools: Utilities

The Network Baseline

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