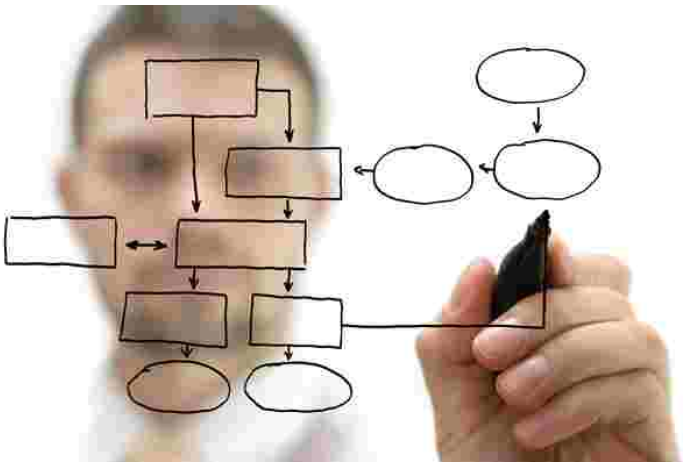


Steering You
The Right Way...

An ISO 9001:2008 Company
ROOMAN TECHNOLOGIES

“The Value of education is not learning of many facts,

but the training of the mind

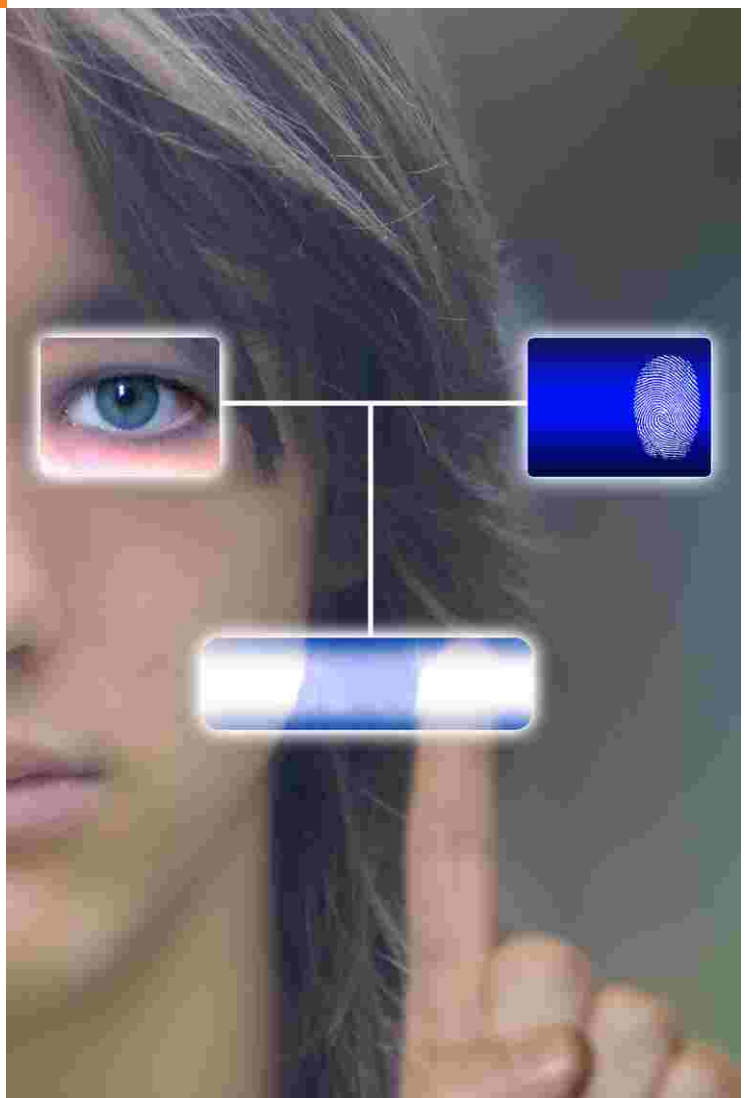
to think something that cannot be learned from books.”

OUR VALUES

It has been our endeavor at the Rooman centre to be abreast with the latest and the best of technologies and offer a range of courses in Networking and Internet Security.

OUR Mission

To reach out to the nook and corner of the country and help the students realize their full potential, thus creating globally competitive IT professionals out of them. To provide professional and up-to-date training in a caring, student-centric environment and equipping them with leading-edge vocational, technical and language skills needed to secure satisfying and rewarding careers in IT.



THE CEO SPEAK

At ROOMAN we offer choice and hands-on approach. Our objective is to provide up-to-date training in all disciplines by constantly incorporating existing industry standards. Our mandate is to educate the students to be job ready. With over sixty five thousand satisfied placements at high profile companies, all over India, our success is truly seen in the success of our graduates. As a student at ROOMAN one will enjoy the highest level of professional instruction, industry standard certification, and persistent support even after graduation. We take pride in making ROOMAN the place for students to achieve their goals

Manishkumar
CEO

Quality Training

At Rooman, Training is imparted through a series of interactive modules, with an emphasis on maximum practical learning. Classes are conducted online to simulate a real-time work environment. The clients come to Rooman because they realize the power of live training and dynamic instruction is far superior to their own self study or self directed e-learning solutions.

Regular Courses

Rooman	Hardware,Networking
MicroSoft	MCSE, MCTS, MCITP
Linux	System Admin, Network and Security Admin
Cisco	CCNA, CCNP, CCNA Sec

Advanced Courses

Checkpoint	(CCSA, CCSE, CCSE+)
ISS	(ISS-CS, ISS-CE)
EC-Council	(CEH, CHFI, ECSA, LPT)
CISCO	(CCNP Sec, CCIP, CCIE)
QAI	Software Testing
Vmware	VCP

Customized Courses

TRENDMICRO	(CVP, ANTI-VIRUS)
WEBSENSE	(URL FILTERING)
IBM	(LOTUS NOTES)
JUNIPER	NETSCREEN

THE PERFECT CAREER

Though available in abundance, IT jobs do not come easy. One needs to have the right mix of academic, technical and behavioral skills to be reckoned as deserving candidate. Rooman was the first to recognize the exact need of the Hardware, Networking and Security industry and came up with an ingenious Career Development Programme. A special focus on developing the students' overall soft skills, personality and other professional skills, makes them more acceptable to employers. Till date, over 65,000 students have been successfully trained and placed through the Rooman Programme.

Today the Indian IT industry employs more than 700,000 professionals. A study reveals that India would need 2.2 million IT professionals by the year 2012 to keep up with the growth of the IT sector. Matching industry requirements step-by-step, the Rooman Placement Cell has been providing 'Total Placement Assurance' to all its students. To name a few on our roaster, students have made their way into prestigious organizations like IBM, Microsoft, HP, Cisco, TCS, Wipro Infotech and Accenture.

THE GLOBAL NETWORK

Rooman has its presence at 75 locations in India and one each in Colombo, Dar-es-salaam and Toronto. All the centers provide excellent environment for learning, equipped with latest teaching aids and adequate lab facilities. ROOMAN is now poised to expand its operations worldwide and provide students internationally recognized qualifications in the domain of Networking and Internet Security. This Strategic expansion of the institute's vision promises to innovate Networking training countrywide and further reinforce the value of the Rooman name. ROOMAN's vision is to be one of the leading Hardware and Networking training providers internationally.

THE RIGHT DIRECTION

As you are fated to be a part of this vast competitive world, you should as well be trained enough to withstand the turbulence as well as endure it with the best skills. With Rooman's wide network of branches in India and abroad, internationally certified faculty, proven instructional methodology and a well connected placement cell, one is sure to fly to great heights in their career.

Semester Details

Pre - Requisite	Courses Covered	Certification Achieved
10th, 10+2, BA, BCOM or any other Non-Technical Degree/Diploma	**Semester-I** Basic-Electronics, Ms-Office Computer Hardware (A+) Networking Essentials (N+)	**RCHNP** ROOMAN Certified Hardware and Networking Professional
Diploma in Electronics/Computer, BSc-IT, BCA, BE, Btech, MCA or **Semester - I**	**Semester-II** Windows Server 2003 Admin (MCSA)	**RCMSA** ROOMAN Certified Microsoft System Admin.
Working Experience in Hardware and MCSA Certification or **Semester - II**	**Semester-III** Designing ADS Exchange Server 2010 Windows Server 2008 Admin (MCITP)	**RCMEA** ROOMAN Certified Microsoft Enterprise Admin.
Working Experience in System Admin or **Semester - III**	**Semester-IV** Linux Essentials & System Admin (RHCT) Linux Networking & Security Admin (RHCE) WAN using Cisco Router & Switch (CCNA) Ethical Hacking	**RCNSE** ROOMAN Certified Networking and Security Expert
Working Experience in System and Network Administration, Well versed with the Topics of CCNA or **Semester - IV**	**Semester-V** Cisco Certified Network Professional (CCNP) Securing Cisco Router & Switches (CCNA-SEC) Checkpoint Firewall & VPN Admin (CCSA)	**RCMNS** ROOMAN Certified Master in Networking and Security
Undergone semester V or Equivalent Course at Rooman	**Semester-VI** Apprenticeship training in leading IT Company	Job Experience Certificate

SEMESTER-I

Computer being the Lifeline of this generation, where we all are dependent on Computer and it's connectivity for day to day activities starting from Email, Internet, Bill Payment, Ticket Booking, messaging, Web Conferencing, Online Education and many more. It is necessary that the computer is always operational and it's hooked to the required Network or Internet. This creates a high demand for the professionals with Hardware and Networking skills.

This semester covers Basic Electronics, Ms-Office and the Fundamentals of Hardware. To start with Hardware and Networking, it does not require a background of BE/BTech or very deep Knowledge of Computers. Even a Non-Technical person can become an Expert of IT infrastructure Management as most of the Topics covered in this domain are Practical oriented.

If we compare Computer to a Car then MS-Office is a fuel in it. Most of our time we spend on computer is by using one of the Ms-Office Applications. Either you need to draft a Letter, Make some Presentation, Do some Calculation, Store some information in a database or access your email server, Ms-Office has modules supporting it all. This section of the course is designed for the candidate who is novice to Computer. This section trains the student on Creating, Deleting and Modifying a file using Ms-Word, Prepare a presentation using PowerPoint, Create Excel Sheet for organizing some basic Data and it's calculation.

Computer and it's peripherals are made up of various Electronic parts. Some of them are Digital such as IC, SMD, Processor and some Analog such as Register, Capacitor, and Transistor. Being a Non-Technical person, It's good to start from the Basics of Electronics where we brief you about various analog and digital components and its usage. The analog electronics section of this semester briefs about Current, Voltage and Resistor. Further you will also learn to create small circuits using Diode and Transistor. Digital Electronics section covers the Number System, Flip-Flop, Counter, register, Micro Controller and Microprocessor.

Computer Hardware is the first step towards a rewarding career in Networking and Security. In this session, student will learn to assemble a Computer, Partition and Format the Disk, Install Latest OS and Applications on it. They will also be taught about the IRQs, direct memory access, and practical computer repair, including the installation and repair of hard drives, modems, network cards, CPUs, power supplies, printers, and so forth.

Sharing the information and resources is known as "Networking". A proper Networking is the basic requirement of any organization. A sound understanding of networking fundamentals, network protocols, cabling and devices, network design/implementation/troubleshooting, installation/maintenance of the TCP/IP client, can give a kick start to your career in Networking and Security. At the end of this session, you would be able to setup a small Wired or Wireless network on your own by selecting the proper Media, crimping the cable, Connecting it to the Device(hub or switch) and by installing and configuring the Network Operating System.

CERTIFICATIONS

- BASIC ELECTRONICS
- Digital Electronics
- MS-OFFICE
- Basics of Computer Usage
- Computer Hardware
- N+

Basic Electronics

ANALOG MODULE

- Basic of Electronics
- Electrical Circuit Theory
- Resistor Connections
- DC Circuits
- Inductor & Capacitor
- Alternating Current
- Circuit Applications
- Oscilloscope
- Semiconductor Physics
- Semiconductor Diode
- Bipolar Junction Transistor
- Transistor Biasing
- Modulation & Demodulation
- Switching Circuits
- Field Effect Transistors
- FET & Bipolar Transistors
- SCR as a Switch
- Uni-Junction Transistor (UJT)
- Terminal Devices such as LEDs, Transformers etc.

DIGITAL MODULE

- Number Systems
- Binary Number System
- Conversions
- Octal Numbers
- Hexadecimal Numbers
- Gates
- Binary Arithmetic
- Boolean Algebra
- Karnaugh Mapping
- Data Processing Circuits
- Multi-plexers, De-Multiplexer
- Decoders
- Encoders
- TTL Circuit Theory
- Clocks and Timer Circuits
- Shift Registers
- Memory Chips

MS-OFFICE - 2010

Microsoft Word 2010

- Meeting Microsoft Office Word 2010
- Creating a Document
- The Quick Access Toolbar
- The Page Layout Ribbon
- Create a New Document
- Selecting Text
- Fonts on the Home Ribbon
- The Font Dialogue
- Paragraph Options
- Using Layouts and Views
- Basic Viewing Tools
- Advanced View Tools
- Using Print Preview
- Using Page Setup
- Printing a Document

Microsoft EXCEL 2010

- Starting Excel
- Exploring your Workbook
- The Quick Access Toolbar
- The Home Ribbon
- The Formulas Ribbon
- The Data Ribbon
- The Review Ribbon
- Working With Excel 2010
- Basic Excel Features
- Modifying Cells and Data
- Using the View Ribbon

Microsoft Power Point 2010

- Starting Out
- Creating a Slide
- Working with a Presentation
- The Animations Ribbon
- The Slide Show Ribbon
- The Review Ribbon
- Placeholders
- Other Formatting Tools
- Managing Slides
- Formatting Text Using the Home Ribbon
- Formatting Text from the Fonts Dialogue Box
- Inserting Pre-Defined Text
- Using Paragraph Alignment
- Using Proofing Tools

Basics of Computer Usage

Working with Windows 7

- The User Interface - Task Bar, Icons, Start Menu
- Windows 7 Application - Wordpad, Paint, Media Player etc
- Customize Windows7 - Desktop, Sound, Display, Screen Saver

Internet and Email

- Basics of Computer Networks
- Basics of Internet Architecture
- Services on Internet – Email, Search Engine, Online Booking
- Chat, Messaging and Conference Sites
- Internet Access Techniques - Broadband, Dialup, Data Card
- Taking a Print and Print Settings

COMPUTER HARDWARE

Assembling and Installation

PC parts and Add on card identification

Assembling a computer

Partition a HDD and Format the same

Installation of Desktop OS (DOS, Windows Vista/ Windows 7)

Installation of Applications (Ms-Office, Acrobat Reader, Winzip)

Processor

Popular CPU chips

Processor Components Voltage, Speed

Internal and External Cache Memory

RAM Types

Types of Memory (ROM, RAM)

RAM Types (EDO, DRAM, SRAM, VRAM, SDRAM, DDR RAM)

SIMM, DIMM, SODIMM, MicroDIMM, RIMM

Memory Chips and Form Factors

MotherBoard and Buses

Introduction | AT Motherboard | ATX Motherboard

Ports and Memory Slots on Motherboard

Processor Sockets and Chipset

Bus Architecture

Compatibility Guidelines

BIOS

Understanding BIOS, CMOS, and Firmware.

Configuring the System BIOS.

Power-On Self-Test and Error Reporting.

Plug and Play BIOS

Power Management

Disabling on-board Devices

Installing IDE and SCSI Device

IDE Interfaces, EIDE, ATA/ATAPI, Serial ATA (SATA)

Configuring IDE device, Master/Slave/Cable Select

SCSI Interface, SCSI ID, Jumper Block/DIP switch settings

Storage Devices

Floppy and Hard Disk Drives.

CD and DVD Optical Drives.

USB and Flash Memory Drives.

I/O Interfaces

Serial Port, Parallel Port, USB Port, IEEE 1394, IR Port

Serial, Parallel, USB Cable and Connector

Configuring Internal Devices- Multimedia, Modem, IR Device

Configuring External Devices- Bluetooth Device, Digital Gadgets

Printer

Print Technologies Solid Ink, Dot Matrix, Ink Dispersion, Laser

Printer Interfaces - Serial, Parallel, USB, Network

Printer Installation, Printer Driver, Printer Settings

Installing Cartridge, Toner

Printer Problems Trobleshooting

Anti-Virus Management

Installation of renowned Anti-Virus in Server Client mode.

Client Package creation and Remote Installation

Downloading the update on Server and distribution to clients

Laptops and Portable Devices

Fundamental Features of Laptops and Portable Devices.

Configuring Power Management.

Applications for Portable and Laptop Hardware.

Safe Removal of Laptop-Specific Hardware.

Introduction to blackberry and handheld devices

Data Recovery

Tools to recover the lost Data

Recover emails deleted in Outlook

Image Creation and Data Synchronization

Application support

Windows7 Built-in applications

Internet Explorer and Outlook Express

Remote Assistance

PC Diagnostics and Maintenance

The Power-On Self Test and Boot

Peripheral and Operating System Diagnostics

Third Party Diagnostic and Performance Optmization Sofware PC Maintenance Tools

Internet and Email

Basics of Computer Networks

Basics of Internet Architecture

Services on Internet – Email, Search Engine, Online Booking Chat, Messaging and Conference Sites

Internet Access Techniques - Broadband, Dialup, Data Card

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

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

TCP/IP Services
- Dynamic Host Configuration Protocol
- 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
- Voice Over Data Services

Remote Networking
- Remote Networking
- Remote Access Protocols
- Remote Desktop Control

Advanced Data Storage Techniques
- Enterprise Data Storage
- Clustering
- Network Attached Storage
- Storage Area Networks

Foundations 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 Settings

Administering Windows Securely
- Commonly used services and Ports
- How to find services and ports they listen on?
- Kill Suspected Proccess and close ports?
- Overview of the windows registry
- How to restore the 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 Settings and Configuration
- Features of various Broadband Routers
- Settings 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

COMMUNICATION SKILLS

- Definition of Communication Skills
- Barriers of Communication Skills
- Methods to improve Communication Skills
- Keys for Good Communication Skills
- How to Motivate a person in Communication Skills
- Difference between "Hearing & Listening" & also difference between Active & Passive Listening
- Advantages & Disadvantages of Listening
- Triple A Listening
- Full Form of the word LISTEN
- Keys for Effective Listening

SEMESTER-II

This semester covers the Installation, Maintenance and Administration of Windows7 and Windows Server 2003 In recent years Microsoft's MCSE, MCTS and MCITP program has established itself as the premier computer and networking industry certification. For the Networking implementation and administration, corporate has made it their mission to demand more of MCSE and MCITP certified professional. With the topics covered in this semester you start your journey towards the most acclaimed IT certification in the world.

In order to create a Network, You need to plan and design the Networking Infrastructure, ADS, Authentication Type, Resources and the Information allocated to each User, Networking and Host Security etc. Once the planning and Designing is done, it comes to implementation and Administering the same. In this Semester, Student will learn to install Windows7 and Windows 2003 Server using various options, Design the Network using ADS, Create and Manage Users & Groups, Sharing and Securing the Files & Folders, Configuring the Network using DHCP, DNS & IIS Services, Routing configuration using RIP & OSPF, Connecting to Remote Machine using RAS and VPN, Various Encryption Scheme and Certificate Services, Data Backup& Recovery, Disk Management using various RAID Levels, Administering Print Services, Monitor Logs and Alerts, and Troubleshooting the common Windows Server 2003 and Windows 7 related problems.

CERTIFICATIONS

- Windows 7, Configuring (70-680)
- Managing and Maintaining a Windows Server 2003 Environment (70-290)
- Implementing, Managing, and Maintaining a Windows Server 2003 Network Infrastructure (70-291)
- Planning and Maintaining a Windows Server 2003 Network Infrastructure (70-293)
- Planning, Implementing, and Maintaining a Windows Server 2003 Active Directory Infrastructure (70-294)

Windows Server - 2003 Admin

70-680 TS: Windows 7, Configuring

- Installing, Upgrading, and Migrating to Windows 7
- Capture a system image & Prepare for deployment
- Configuring Hardware and Applications
- Configure IPv4 & IPv6 network settings
- Configure Windows Firewall and remote management
- Configure user account control (UAC).
- Configure shared resources, file and folder access
- Configure authentication and authorization
- Configure BitLocker, DirectAccess and Remote connections
- Monitor systems, Manage disks.
- Configure backup and system recovery options
- Configure updates to Windows

70-290 : Managing and Maintaining a Microsoft Windows Server 2003

- Managing and Maintaining Physical and Logical Devices
- Optimize server disk performance using RAID solution
- Install, configure and Troubleshoot server hardware devices.
- Create and manage computer accounts & Groups in an Active Directory environment.
- Manage local, roaming, and mandatory user profiles.
- Troubleshoot Terminal Services.
- Manage Shared Folder and File system permissions.
- Monitor and analyze events using Event Viewer and System Monitor.
- Manage servers remotely.
- Monitor and optimize a server environment for application performance.
- Manage Internet Information Services (IIS)
- Perform system recovery for a server.
- Manage backup procedures and Recover from server hardware failure.
- Schedule backup jobs.

70-291: Implementing, Managing and maintaining a Microsoft Windows Server 2003 Network Infrastructure

- Implementing, Managing, and Maintaining IP Addressing
- Managing and Troubleshooting DHCP.
- Manage DHCP clients scope options and Databases
- Manage DHCP Relay Agent.
- Diagnose and resolve issues related to DHCP authorization.
- Implementing, Managing, and Maintaining Name Resolution using DNS
- Configure & manage DNS server and DNS zone options.
- Configure DNS forwarding.
- Implementing, Managing, and Maintaining Network Security
- Configure Routing and Remote Access user authentication.
- Manage remote access and Manage TCP/IP routing.
- Implement secure access between private networks.
- Troubleshoot user access to remote access services.
- Troubleshoot Routing and Remote Access routing.
- Monitor network traffic using Network Monitor and System Monitor.
- Troubleshoot connectivity to the Internet and server services.

70-293 : Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure

- Plan a secure baseline installation.
- Plan & Configure security for servers such as domain controllers, Web servers, database servers, and mail servers.
- Evaluate and select the operating system to install on computers in an enterprise.
- Plan a TCP/IP network infrastructure strategy.
- Plan a network topology and Internet connectivity strategy.
- Plan a host name resolution strategy.
- Plan a routing and remote access strategy.
- Implement secure access between private networks.
- Plan services for high availability.
- Identify system bottlenecks, including memory, processor, disk, and network related bottlenecks.
- Implement a cluster server & Manage Network Load Balancing.
- Plan a backup and recovery strategy.
- Plan secure network administration methods for wired & wireless networks.

70-294 : Planning, Implementing and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure

- Plan a strategy for placing global catalog servers.
- Implement an Active Directory service forest and domain structure.
- Plan an administrative delegation strategy.
- Manage an Active Directory site and Monitor Active Directory replication failures.
- Restore and Troubleshoot Active Directory Services.
- Planning and Implementing User, Computer, and Group Strategies
- Plan a security group and user authentication strategy.
- Plan and Implement an OU structure.
- Plan and Implement Group Policy
- Configure the user environment by using Group Policy.
- Deploy a computer environment by using Group Policy.
- Troubleshoot issues related to Group Policy application deployment using RSoP and gpresult

BODY LANGUAGE

- Definition of Body Language
- Why do we require Body Language
- What is the Difference Between Professional Body Language & Un-Professional Body Language
- What are the different styles of Body Language & what does that mean?
- What do mean by the term "Dressing Sense"
- Tips on Dressing Sense when attending an Interview
- Appearence before company people/Interviewer when they are not around
- How to Present ourselves In front of the Interviewer
- What kind of Body Posture we need to maintain when we are in an Interview
- DO's & DON'T's In a Body Language

SEMESTER-III

In the last 50 years, people have changed numerous ways in which they communicate; email is certainly one of the best and is the primary communication medium for individuals and most of the organizations. Email predates the inception of the Internet, and was in fact a crucial tool in creating the Internet. Email is the most critical asset for organizations and must remain available on a continuous basis and must be immune from downtime-inducing problems. This Semester covers Installing and managing Microsoft Exchange Server 2010, Managing messaging security, Recovering messaging servers and databases, Monitoring and troubleshooting Exchange Server 2010.

At Microsoft, They believe in the adage, "The only thing constant is change," especially when it comes to technology. For that reason, They continually evaluate and update Microsoft Certifications to ensure that they keep up with an evolving marketplace. The Microsoft Certified IT Professional (MCITP) credential is the leading certification for Windows Server 2008. MCITP Enterprise Administrator training course teach students the knowledge and skills needed to design Windows Server 2008 infrastructures, evaluate and recommend new technology solutions, serve as an escalation point for infrastructure issues, develop client and server best practices for other teams, keep policy current for authentication, identity, and access management, provide guidance in implementing security policies that affect the infrastructure on multiple levels and participle in application reviews on security, and ensuring that the applications adhere to standard security guidelines and practices.

The enterprise administrator is responsible for the overall Windows Server 2008 R2 environment and architecture. The enterprise administrator translates business goals into technology decisions and designs mid-range to long-term strategies. The enterprise administrator is responsible for infrastructure design and global configuration changes. The enterprise administrator's job role involves 20 percent operations, 60 percent engineering, and 20 percent support tasks.

This semester also covers 70-649 paper upgrade MCSE on Windows Server 2003 to Windows Server 2008 which is a composite course of three stand-alone modules i.e, 70-640, 70-642, and 70-643

CERTIFICATIONS

- Designing a Microsoft Windows Server 2003 Active Directory and Network Infrastructure (70-297)
- Microsoft Exchange Server 2010, Configuring (70-662)
- Windows Server 2008, Enterprise Administrator (70-647)
- Upgrading Your MCSE on Windows Server 2003 to Windows Server 2008 (70-649)

MCSE

Exam 70-297 : Designing a Microsoft Windows Server 2003 Active Directory and Network Infrastructure

- Analyze the impact of Active Directory on the existing technical environment.
- Analyze DNS and Security Requirements for Active Directory directory service implementation.
- Design the Active Directory infrastructure to meet business and technical requirements.
- Design an OU structure and security group strategy.
- Design a user and computer authentication strategy.
- Design migration paths to Active Directory.
- Design a strategy for Group Policy implementation.
- Design an Active Directory directory service site topology.
- Design a DNS name resolution & remote access strategy.
- Design security for remote access users.
- Design an IP address assignment strategy.
- Design an Active Directory implementation plan.
- Design Internet connectivity for a company.
- Design a network and routing topology for a company.

70-662 Microsoft Exchange Server 2010, Configuring

- Install and Deploy Microsoft Exchange Server 2010
- Configuring Mailbox Servers
- Managing Recipient Objects, Client Access and Message Transport
- Implementing Messaging Security
- Configuring Edge Transport Servers and Forefront Protection 2010
- Implementing Anti-Spam Solutions
- Implementing High Availability, Backup and Recovery
- Configuring Messaging Policy and Compliance
- Configuring Transport Rules, Journal Rules, and Multi-Mailbox Search
- Securing Microsoft Exchange Server 2010
- Maintaining Microsoft Exchange Server 2010
- Upgrading from Exchange Server 2003 or Exchange Server 2007
- to Exchange Server 2010
- Implementing Unified Messaging

MCITP (ENTERPRISE ADMIN)

70-647 (Windows Server 2008, Enterprise Administrator)

- Planning Name Resolution and Internet Protocol Addressing
- Designing Active Directory Domain Services
- Planning Migrations, Trusts, and Interoperability
- Designing Active Directory Administration and Group Policy Strategy
- Designing a Network Access Strategy
- Design a Branch Office Deployment
- Planning Terminal Services and Application Deployment
- Server and Application Virtualization
- Planning and Designing a Public Key Infrastructure
- Designing Solutions for Data Sharing, Data Security, and Business Continuity
- Designing Software Update Infrastructure and Managing Compliance

70-649 (Upgrading Your MCSE on Windows Server 2003 to Windows Server 2008)

- Deploying Servers
- Configuring Server Roles in Windows 2008
- Configuring Certificate Services and PKI
- Maintaining an Active Directory Environment
- Configuring the Active Directory Infrastructure
- Configuring Web Application Services
- Configuring Web Infrastructure Services
- Deploying the Terminal Services
- Configuring and Managing the Terminal Services
- IP Addressing and Services
- Configuring Network Access
- Network Access Protection

SEMESTER-IV

This semester covers Establishing and Securing an Enterprise Network. An enterprise network connects all the isolated departmental or workgroup networks into an intra-company network. In this platform scenario, no user or group is an island. All systems can potentially communicate with all other systems while maintaining reasonable performance, security, and reliability. In order to manage such Network, one should have the knowledge of various Operating Systems and Connecting Media and Devices.

Enterprise Network works on Heterogeneous Operating Systems such as Windows Server 2003, Windows Server2008, Solaris, and LINUX. Linux is one of the most popular Operating System after Microsoft and is widely implemented along with Microsoft, in Large Networks. The Linux operating system continues its march into businesses as a growing alternative to Microsoft, hence it's important for IT professionals to know how to use and administer it properly. This track covers, Installation and configuration of Red Hat Enterprise Linux, Basic Commands, Shell Commands, File Systems, User Management, Manage a Linux Workstation and attach it to a corporate Network, Configuring essential Networking Services such as DHCP, DNS, Configuring Apache, Samba and Mail Server, Securing Linux Server, System Monitoring, and advanced administrative topics such as provisioning, clustering and performance tuning.

Once the Network is large and spread, the vital task is to establish and maintain the connectivity. Routers and switches are the devices which decides the route and control the flow of data traffic across the networks and the internet. Cisco routers dominate world-wide, accounting for more than two-thirds of the total routers on the web (Cisco's claim to fame is that the internet couldn't function without their hardware). In this semester you will learn, How different network topologies work together to setup a small to Medium sized Network using Cisco Routers and Switches. It covers IP Addressing, Basic Cisco IOS commands, Configuring the Route using RIP, IGRP and OSPF protocols, mitigation of basic security threats using Access-List, introduction to wireless networking concepts and terminology, extending switched networks with VLANs; establishing point-to-point and Frame Relay connections.

Further The internet is the lifeline encompassing businesses reaching out far and wide. It is almost impossible to conceive of an activity without overt or covert nexus to the Internet. Concomitantly, the Internet is the easy target for hackers. Security breaches thrive on the Internet. Thus it is incumbent on businesses to protect their information. In this session, Students will begin by understanding how perimeter defenses work and then be lead into scanning and attacking their own networks, no real network is harmed. Students then learn how intruders escalate privileges and what steps can be taken to secure a system. Students will also learn about Intrusion Detection, Policy Creation, Social Engineering, DDoS Attacks, Password Cracking, Sniffers and Virus Creation.

CERTIFICATIONS

- RHCE
- CCNA
- Ethical Hacking

RHCE

Linux System Administration I

- Get Started with the GNOME Graphical Desktop
- Manage Files Graphically with Nautilus
- Configure Local Services
- Manage Physical Storage and Logical Volumes
- Manage CPU, memory, and disk utilization
- Manage System Software
- Get Started with Bash
- Establish Network Connectivity
- Administer and Manage Users and Groups
- Manage Files from the Command Line
- Command line
- Secure Linux File Access
- Administer Remote Systems
- Configure General Services
- Manage Physical Storage II
- Manage Virtual Machines
- Control the Boot Process
- Understand runlevels and manage GRUB
- Deploy an FTP server and a web server
- Secure Network Services

Linux System Administration II

- Automated Installations of Red Hat Enterprise Linux
- Command Line and Command Line Tools
- Regular Expressions, Pipelines, and I/O Redirection
- Network Configuration and Troubleshooting
- Managing Simple Partitions and File Systems
- Managing Flexible Storage with LVM
- Access Network File Sharing Services; NFS and CIFS
- Managing Network User Accounts with LDAP
- Managing SELinux
- Installing and Managing Software
- Managing Installed Services
- Analyzing and Storing Logs
- Managing Processes
- Tuning and Maintaining the Kernel
- System Recovery Techniques

Linux System Administration III

- Enhance User Security
- Bash Scripting and Tools
- File Security with GnuPG
- Software Management
- Build a simple package
- Network Monitoring
- Route and Secure Network Traffic
- NTP Server Configuration
- System monitoring and Logs
- Centralized and Secure Storage
- SSL-encapsulated Web Services
- Web Server Additional Configuration
- Basic SMTP Configuration
- Caching-Only DNS Server
- File Sharing with NFS, CIFS and FTP
- Troubleshooting Boot Process

CCNA

Configuring a Router

- Starting up with a Router and Switch
- Booting a Router and setup mode
- The Command-line Interface
- Passwords and Line Console Commands
- Interface Configuration setting
- Verifying & Debugging the Configuration

Building a Network

- Configuring a Router and Switch
- Verifying Configuration and Duplex Settings
- Continued Router Configuration
- Continued Switch Configuration

Managing CISCO in an Internetwork

- Backing up and restoring startup configuration and IOS
- Booting IOS from TFTP Server
- Cisco Discovery Protocol
- Ping and Trace
- Understanding configuration register
- Recovering the password

IP Routing

- Routing Basics
- Managing static and Dynamic Routes
- Configuring static IP Routing

- Configuring Dynamic IP routing using RIP, IGRP
- Managing and configuring OSPF & EIGRP
- Avoiding Routing loops using split horizon, route poisoning

Switching

- Bridging versus switching
- Working concept of Switch
- Spanning Tree Protocol (STP)
- LAN Switch Types

Virtual LANs

- VLAN membership
- VLAN Configuration and VTP
- Assigning Ports
- ISL Routing and Frame tagging
- Perform LAN and VLAN troubleshooting

Access Lists

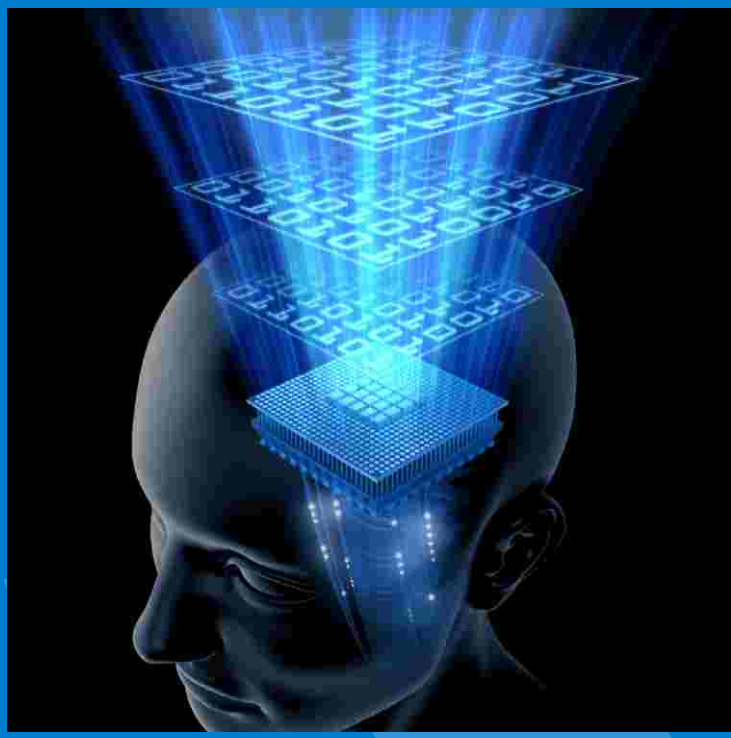
- Access Lists Commands
- Standard IP Access List
- Wildcard Cards Implementing an Access List
- Extended Access Lists
- IPX access Lists
- Securing a Network Site with Access list

WAN

- WAN Connection Types ISDN, X.25, Leased line and Frame-Relay
- Connection protocols
- DLC, PPP AND PPMP
- Dial-on-Demand Routing
- Frame Relay configuration
- Subinterfaces in Frame-Relay
- Troubleshooting and Debugging Tools

ETHICAL HACKING

Introduction to Ethical Hacking
Footprinting and Reconnaissance
Scanning Networks
Enumeration
System Hacking
Trojans and Backdoors
Viruses and Worms
Sniffers
Social Engineering
Denial of Service
Session Hijacking
Hacking Webservers
Hacking Web Applications
SQL Injection
Hacking Wireless Networks
Evading IDS, Firewalls, and Honeypots
Buffer Overflow
Cryptography
Penetration Testing



INTERVIEW SKILLS

- Preparation before attending an Interview
- How to attend an Interview
- Guide lines to attend an Interview
- Do's & Dont's in an Interview
- What are the basic Ettiquette that we need to follow in an Interview
- What are the things that the interviewer expects from a candidate
- Top Five Interview Skills
- Things that need to be checked before attending an Interview
- General points to think about before answering an Interview Question
- 3 things that make a Powerful Resume

SEMESTER-V

The first three semesters covered the topics related to System, Email and Database Administration. With this knowledge you can successfully administer the Network of a large company. But in order to troubleshoot your Enterprise Network or to be the part of a Team of Network Integrators who create the Large Enterprise Network such as ISPs, Bank ATM Network etc., you need to have an in depth knowledge of Routing, Switching and Security. In this semester we cover Cisco-Routing and Switching in Depth. Further Securing the Perimeter Network is an important task of a Network Engineer, hence we cover security using Cisco IOS commands at Network Layer and Checkpoint Firewall for Application Level Security. This semester covers CCNP track of Cisco certification.

Routing is the process of selecting paths in a Network, along which to send the Network Traffic. Small Networks may involve manually configured routing tables, while large Networks involve complex topologies and the configuration of the routing protocols often requires a skilled touch. In this semester we teach you the skills required to build a large, scalable Cisco Internetwork. At the End of this Semester, Student will have the knowledge and skills necessary to use advanced IP addressing and routing in implementing scalability for Cisco ISR routers connected to LANs and WANs, Multicast Routing, IPv6, Manipulating Routing Updates, Configuring basic BGP, Configuring EIGRP, OSPF, and IS-IS.

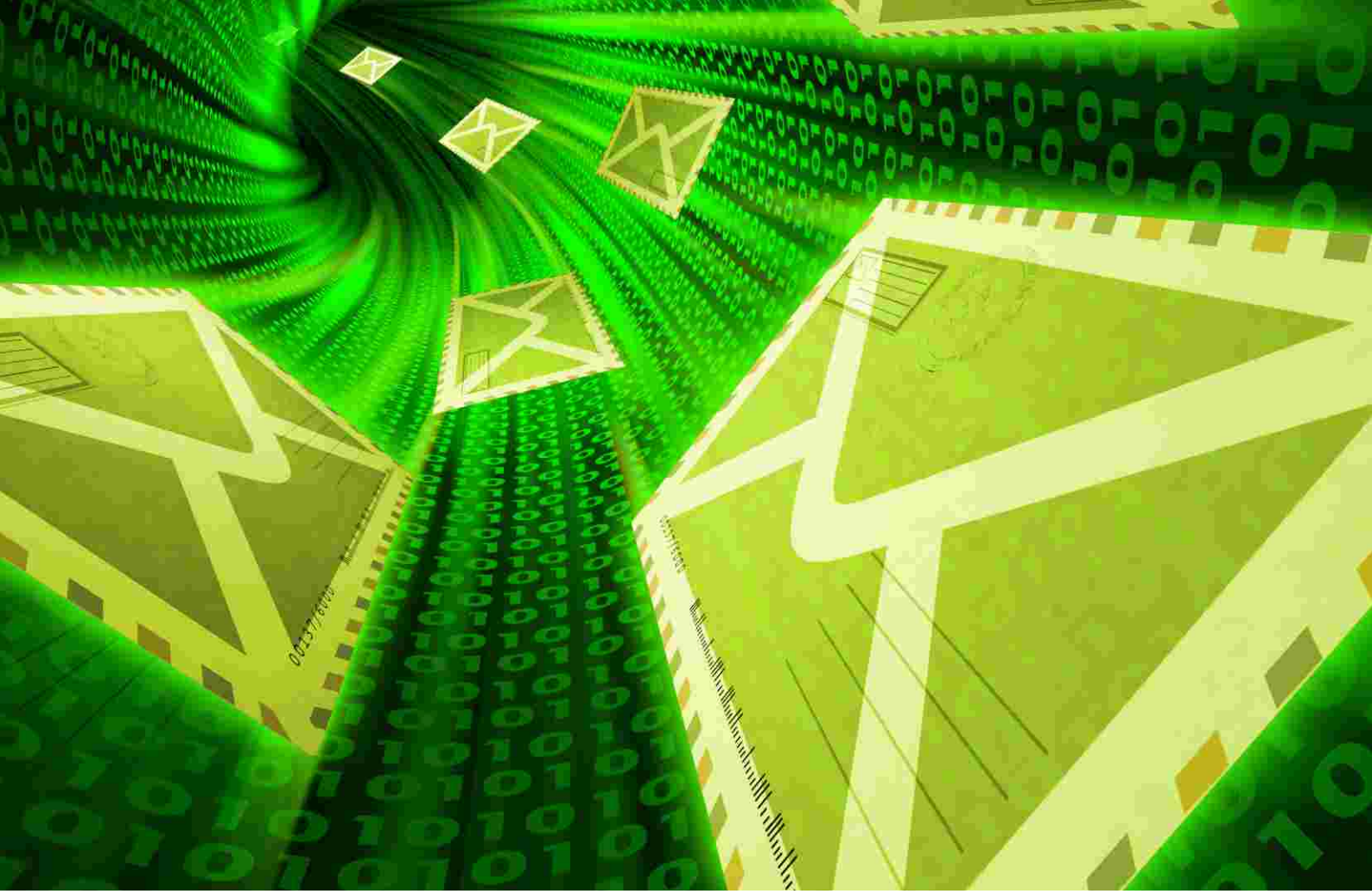
A Network Switch is an integral part of any Network. Mid-to-Large sized Network contain a number of linked Layer-2 and Layer-3 Switches. These switches have built-in or modular interfaces which makes it possible to connect different types of Networks, including Ethernet, Token-Ring, Fiber Channel, ATM etc. In some service provider and other environment where there is great deal of analysis of Network performance and Security, some vendors provide Firewall, Network Intrusion Detection and performance Analysis modules that can be plugged into the switch ports. A thorough knowledge of Switch configuration is a must to achieve the maximum throughput out of a Network. The topics covered in this session includes Campus Network Design, Describing and implementing advanced Spanning Tree concepts, VLANs and Inter-VLAN routing, High Availability, Wireless Client Access, Access Layer Voice concepts, and How to minimizing service Loss and Data Theft in a Campus Network

After successful commissioning of a Medium-to-Large Network, the most important task is to secure it. This session covers securing Cisco Routers and Switches from intruder by using SDM Features, Implementing Authentication Server, using Access-List to mitigating threats, implementing Cisco IOS Firewall, IPS and VPN. The topics covered in this session enable the student to appear for CCNA-Security certification, which is the pre-requisite to pursue CCNP Security.

The threats to network security are many, and they are evolving in sophistication as well as variety. Hardening Cisco Routers and Switches with security policies will not protect the Network from Application based attacks such as Cross-site Scripting, SQL injection, code injection, LDAP Injection, HTTP Encoding Attacks and Buffer over flow attacks. In order to protect our Network from DOS Attack, Application Level attack etc., we need to go for a stateful Inspection Firewall. Checkpoint is the inventor of Stateful Inspection Technology and is the leading Firewall in this domain. It unobtrusively analyzes activity across your network, tracking potentially threatening events and optionally sending notifications. It protects organizations from all known, and most unknown, network attacks using intelligent security technology. In this session we cover Installation of Checkpoint Firewall, Creating rules and applying it to the Firewall, Various Authentication Scheme, Smart Defense Technology, Monitoring the activities, NAT, LDAP Server configuration, QOS Management and Disaster Recovery.

CERTIFICATIONS

- CCNP
- CCNA SECURITY
- CCSA



CCNP (ROUTING)

(642-901): Building Scalable Cisco Internetworks (BSCI)

- Scaling large networks
- IP addressing
- Understanding VLSM,CIDR
- IPV6 addressing operations
- IPv6 interoperation with IPv4
- Configuring and verifying EIGRP
- Configuring and verifying Integrated IS-IS
- Functions and operation of OSPF in multi-areas
- Configuring stub, totally stub, NSSA
- Verifying and troubleshooting OSPF
- Route Redistribution
- Configuring DHCP services
- Route-filtering
- BGP Basic Concepts
- BGP Advanced Features
- Implementing Multicast forwarding(PIM-SM,DM)
- IGMP

CCNP (SWITCHING)

(642-812): Building Cisco Multilayer Switched Networks (BCMSN)

- The campus and Network Design
- Switching Technologies
- Implementing VLAN and Trunks
- Explain the Functions and operations of STP and RSTP
- Implementing PVRST and MST
- Inter-VLAN Routing
- Multilayer Switching
- Implementing Gateway redundancy with HSRP, VRRP and GLBP.
- Configuring wireless client access
- Explain the Layer2 attacks (Mac-flooding, Rogue Devices, DHCP Spoofing etc)
- Port-security,802.1x,VACLS,PVLANS, DHCP Snooping and DAI
- Characteristics of voice in the campus network
- Configure and verify basic IP Phone Support

CCNP (TSHOOT)

(642-832): Troubleshooting and Maintaining Cisco IP Switched Networks

- Develop a plan to monitor and manage a network
- Perform network monitoring using IOS tools
- Perform routine IOS device maintenance
- Isolate sub-optimal internetwork operation at the correctly defined OSI Model layer
- Troubleshoot EIGRP Troubleshoot OSPF
- Troubleshoot eBGP
- Troubleshoot routing redistribution solution
- Troubleshoot a DHCP client and server solution
- Troubleshoot NAT
- Troubleshoot first hop redundancy protocols
- Troubleshoot IPv6 routing
- Troubleshoot IPv6 and IPv4 interoperability
- Troubleshoot switch-to-switch connectivity for the VLAN based solution
- Troubleshoot loop prevention for the VLAN based solution
- Troubleshoot Access Ports for the VLAN based solution
- Troubleshoot private VLANS
- Troubleshoot port security
- Troubleshoot general switch security
- Troubleshoot VACL and PACL
- Troubleshoot switch virtual interfaces (SVIs)
- Troubleshoot switch supervisor redundancy
- Troubleshoot switch support of advanced services (i.e., Wireless, VOIP and Video)
- Troubleshoot a VoIP support solution
- Troubleshoot a video support solution
- Troubleshoot Layer 3 Security
- Troubleshoot issues related to ACLs used to secure access to Cisco routers
- Troubleshoot configuration issues related to accessing the AAA server for authentication purposes
- Troubleshoot security issues related to IOS services (i.e.,finger, NTP, HTTP, FTP, RCP etc.)

CCNA SECURITY

- Describe and list mitigation methods for common network attacks
- Describe and list mitigation methods for Worm, Virus, and Trojan Horse attacks
- Describe the Cisco Self Defending Network architecture
- Use the One-Step Lockdown feature in SDM to secure a Cisco router
- Secure administrative access to Cisco routers by configuringmultiple privilege levels
- Secure administrative access to Cisco routers by configuring role based CLI
- Secure the Cisco IOS image and configuration file
- Explain the functions and importance of AAA
- Describe the features of TACACS+ and RADIUS AAA protocols
- Configure and verify IP ACLs to mitigate given threats
- Configure IP ACLs to prevent IP address spoofing using CLI
- Discuss the caveats to be considered when building ACLs
- Use CLI and SDM to configure SSH on Cisco routers to enable secured management access
- Use CLI and SDM to configure Cisco routers to send Syslog messages to a Syslog server
- Explain stateful firewall operations and the function of the state table
- Implement Zone Based Firewall using SDM
- Enable and verify Cisco IOS IPS operations using SDM
- Configure and verify an IPSec site-to-site VPN with pre-shared key authentication using SDM

CHECKPOINT FIREWALL ADMIN (CCSA)

- Check Point Technology Overview
- Check Point Software Blades
- Deployment Platforms
- Nokia IP Appliance
- SecurePlatform
- Introduction to the Security Policy
- Monitoring Traffic and Connections
- Using SmartUpdate
- Upgrading to R71
- User Management and Authentication
- LDAP User Management with SmartDirectory
- Encryption and VPNs
- Introduction to VPNs
- Messaging and Content Security

HR ROUND

- How to face a HR Round
- Do's & Dont's in a HR Round
- How to answer HR & Technical Questions
- On What basis they will analyze you.
- How to impress the Interviewer
- How to be Aggressive.
- What kind of Questions can be asked to the company HR before winding up the Interview?
- Frequently Asked Questions & How to answer them.

SPECIAL COURSES

Vmware
VCP (Install, Configure & Manage)

This hands-on training course explores installation, configuration, and management of VMware vSphere®, which consists of VMware ESXi™ and VMware vCenter™ Server. The course is based on ESXi 5.0 and vCenter Server 5.0. Completion of this course satisfies the prerequisite for taking the VMware® Certified Professional 5 exam. Students who complete this course may enroll in any of several more advanced vSphere courses

Course Modules

Course Introduction
Introductions and course logistics
Course objectives

Access and Authentication Control
Control user access through roles and permissions
Configure and manage the ESXi firewall
Integrate ESXi with Active Directory
Introduce vShield Zones

Introduction to VMware Virtualization
Introduce virtualization, virtual machines, and vSphere components
Explain the concepts of server, network, and storage virtualization
Describe where vSphere fits into the cloud architecture
Install and use vSphere user interfaces

Resource Management and Monitoring
Control virtual machine access to CPU, memory, and I/O resources
Introduce VMkernel methods for optimizing CPU and memory usage
Monitor resource usage using vCenter Server performance graphs and alarms

Virtual Machines
Introduce virtual machines, virtual machine hardware, and virtual machine files
Deploy a single virtual machine and virtual machine appliance

Data Protection
Discuss strategies for backing up ESXi hosts
Introduce the backup/recovery APIs
Discuss strategies for backing up virtual machines

VMware vCenter Server
Identify vCenter Server and database requirements
Describe vCenter Server architecture
Deploy a vCenter Server appliance
View and create vCenter Server inventory objects

High Availability and Fault Tolerance
Configure and manage a VMware High Availability (HA) cluster
Configure fault-tolerant virtual machines using VMware Fault Tolerance

Configure and Manage Virtual Networks
Describe, create, and manage a standard virtual switch
Describe and modify standard virtual switch properties

Scalability
Configure and manage a VMware Distributed Resource Scheduler (DRS) cluster
Configuring Enhanced vMotion Compatibility
Using VMware HA and DRS together

Configure and Manage vSphere Storage
Configure ESXi with iSCSI, NFS, and Fibre Channel storage
Create and manage vSphere datastores
Configure, deploy, and manage the VMware Virtual Storage Appliance

Patch Management
Manage ESXi patching and patch compliance using vCenter Update Manager

Virtual Machine Management
Deploy virtual machines using templates, cloning, and VMware vCenter Converter™
Modify and manage virtual machines
Create and manage virtual machine snapshots
Perform VMware vMotion® and Storage vMotion migrations

Installing VMware vSphere 5 Components
Introduce ESXi Installable installation
Introduce vCenter Server installation
Additional vCenter Server module installation

M C I T P
(Server and Enterprise Administrator)

The Microsoft Certified IT Professional (MCITP) certification helps validate that an individual has the comprehensive set of skills necessary to perform a particular job role, such as Server Administrator or Enterprise Server Administrator.

(2 Common Modules for MCITP Server and Enterprise)

70-640 TS: Windows Server 2008 Active Directory, Configuring

- Installing Active Directory Domain
- Active Directory Domain Services on Server Core
- Working with Active Directory Snap-ins
- Delegation and Security of Active Directory Objects.
- Creating Users with Windows PowerShell and VBScript
- Automating the Creation and Management of Groups
- Supporting Computer Objects and Accounts
- Group Policy Infrastructure and Group Policy Settings
- Managing Software with Group Policy Software Installation
- Integrating Domain Name System with AD DS
- Sites and Replication, Domains and Forests
- Directory Business Continuity
- Active Directory Lightweight Directory Services
- Active Directory Certificate Services and Public Key Infra
- Active Directory Rights Management Services

70-642 TS: Windows Server 2008 Network Infrastructure, Configuring

- Configure IPv4 and IPv6 addressing.
- Configure Dynamic Host Configuration Protocol (DHCP).
- Configure Windows Firewall with Advanced Security.
- Configure a Domain Name System (DNS) server.
- Configure DNS zones, Records, Replication
- Configure Direct Access & remote access.
- Configure Network Access Protection (NAP) & NPS
- Configure Distributed File System (DFS).
- Configure backup and restore
- Configure and monitor print services
- Configure Windows Server Update Services (WSUS) server
- Configure performance monitoring/ Configure event logs
- Configuring Network Access & File and Print Services
- Monitoring and Managing a Network Infrastructure

(For MCITP Server Administrator)

70-646 Pro: Windows Server 2008, Server Administrator

- Upgrade from a previous version of Windows Server to Windows Server 2008.
- Network connectivity using IPv4 and plan a migration to Ipv6.
- Plan the deployment of Active Directory–related •
- Implementing group policy.
- Plan the configuration of different applications services
- Plan and Configure File and print services
- Create a plan to secure the Server
- Create local and remote administration strategies for administering a Windows Server 2008 environment.
- Create a monitoring plan for the Windows Server 2008
- Create a plan that will help mitigate the effects of various disaster scenarios on the IT infrastructure.
- Create a plan for using virtualization in a Windows Server **2008 environment** Capturing Network Traffic

(For MCITP Enterprise Administrator)

70-680 TS: Windows 7, Configuring

- Installing, Upgrading, and Migrating to Windows 7
- Capture a system image & Prepare for deployment
- Configuring Hardware and Applications
- Configure IPv4 & IPv6 network settings
- Configure Windows Firewall and remote management
- Configure user account control (UAC).
- Configure shared resources, file and folder access
- Configure authentication and authorization
- Configure BitLocker, DirectAccess and Remote connections
- Monitor systems, Manage disks.
- Configure backup and system recovery options
- Configure updates to Windows

70-643 TS: Windows Server 2008 Applications Infrastructure, Configuring

- Deploy images by using Windows Deployment Services
- Configure Microsoft Windows activation
- Configure Windows Server Hyper-V and virtual machines
- Configure high availability & storage.
- Configure RemoteApp and Remote Desktop Web Access.
- Configure Remote Desktop Gateway (RD Gateway).
- Configure Remote Desktop Connection Broker.
- Configure and monitor Remote Desktop resources.
- Configure Remote Desktop licensing.
- Configure Web applications & Manage Web sites.
- Configure a File Transfer Protocol (FTP) server
- Configure Simple Mail Transfer Protocol (SMTP).
- Configure Web site authentication and permissions.
- Manage the Streaming Media Services role
- Configure SharePoint Foundation options
- Configure SharePoint Foundation integration

70-647 Pro: Windows Server 2008, Enterprise Administrator

- Planning network and application services
- Plan for name resolution and IP addressing.
- Design for network access, Network access policies, Remote access strategy, perimeter networks
- Application delivery - Virtualization, locally installed software, Web-based applications
- Remote Desktop and Terminal Services
- Core identity and access management components
- Design Active Directory forests and domains
- Design the Active Directory physical topology.
- Design the Active Directory administrative model.
- Design the enterprise-level group policy strategy.
- Plan for domain or forest migration, upgrade, and restructuring.
- Design and implement public key infrastructure.
- Plan for interoperability.
- Software updates and compliance management.
- Design the operating system virtualization strategy.

CCNP Security
(Cisco Certified Network Professional - Security)

642-617 FIREWALL v1.0 (Deploying Cisco ASA Firewall Solutions)

- Choose ASA Perimeter Security technologies/features to implement HLD based on given security requirements
- Choose the correct ASA model to implement HLD based on given performance requirements
- Create and test initial ASA appliance configurations using CLI
- Determine which ASA licenses will be required based on given requirements
- Optimize ASA Perimeter Security features performance, functions, and configurations
- Perform initial setup on the AIP-SSM and CSC-SSM using CLI and/or ASDM
- Configure, verify and troubleshoot High Availability ASAs (A/S and A/A FO) operations using CLI and/or ASDM
- Configure, verify and troubleshoot static routing and dynamic routing protocols on the ASA using CLI and/or ASDM
- Configure, verify and troubleshoot ASA transparent firewall operations using CLI
- Configure, verify and troubleshoot management access/protocols on the ASA using CLI and/or ASDM
- Advanced ASA security perimeter configuration /software /hardware troubleshooting using CLI and/or ASD fault finding and repairing

642-627 IPS v7.0 (Implementing Cisco Intrusion Prevention System v7.0)

- Introduction to Intrusion Prevention and Detection, Cisco IPS Software, and Supporting Devices
- Installing and Maintaining Cisco IPS Sensors
- Applying Cisco IPS Security Policies
- Adapting Traffic Analysis and Response to the Environment
- Managing and Analyzing Events
- Deploying Virtualization, High Availability, and High Performance Solutions
- Configuring and Maintaining Specific Cisco IPS Hardware

642-637 SECURE v1.0 (Secure v1.0 Securing Networks with Cisco Routers and Switches)

- Deploying Network Foundation Protection Controls
- Deploying Advanced Switched Data Plane Security Controls
- Implementing Cisco Identity-Based Network Services
- Deploying Basic 802.1X Features
- Deploying Advanced Routed Data Plane Security Controls
- Deploying Advanced Control Plane Security Controls
- Deploying Advanced Management Plane Security Controls
- Deploying Cisco IOS Software Network Address Translation
- Deploying Basic Zone-Based Policy Firewalls
- Deploying Advanced Zone-Based Policy Firewalls
- Deploying Cisco IOS Software IPS
- Deploying Scalable Authentication in Site-to-Site IPsec VPNs
- Deploying DMVPNs
- Deploying High Availability in Tunnel-Based IPsec VPNs
- Deploying GET VPN
- Deploying Remote Access Solutions Using SSL VPN
- Deploying Remote Access Solutions Using Cisco Easy VPN

642-647 VPN v1.0 (Deploying Cisco ASA VPN Solutions)

- Choose ASA VPN technologies to implement HLD based on given requirements
- Choose the correct ASA model and license to implement HLD based on given performance requirements
- Choose the correct ASA VPN features to implement HLD based on given corporate security policy and network requirements
- Integrate ASA VPN solutions with other security technology domains (CSD, ACS, Device managers, Cert servers, etc.)
- Optimize ASA VPN performance, functions and configurations
- Configure and verify complex ASA VPN networks using features such as DAP, CSD, Smart tunnels,
- Anyconnect SSLVPN, Clientless SSLVPN, Site-to-Site VPN, RA VPN, certificates,
- QOS, etc. to meet security policy requirements.
- Create complex ASA network security rules using such features as ACLs, DAP, VPN profiles, certificates, MPF, etc, to meet the corporate security policy
- Perform advanced ASA VPN configuration and troubleshooting

THE TESTIMONIALS

"Rooman is having an excellent placement cell. The trainers are technically sound, industry experts who simulate the real-time scenario in the lab. Upon completing my course, Rooman placed me in the company of my choice. Still on my job when I get stuck with any problem, my faculty at Rooman is my last line of defense…"

Swagat Sourav
Network Engineer - Cable & Wireless

I wanted a high profile career in Networking but false promises from various institutes kept me confused. Incidentally I visited Rooman and was mesmerized looking on their excellent infrastructure and state-of-the art lab. I joined Rooman; today I am in a position where I can proudly say that I am a student of Rooman."

Sunil Kamble
SOC (Storage Operations Center) - Cisco Systems India Pvt. Ltd

"Originating from West Bengal in pursuit of higher knowledge in the field of Networking & Security, I was apprehensive about my stay in Bangalore. Thanks to Rooman for its Technical expertise & professional training methodology after which they placed me in one of the best companies in Bangalore...."

Lopa Mudra Basu
Manager IT Security & Quality - Metlife

"I remember the day when I consulted my sister who is working in a renowned IT firm at USA to guide me for the right career path. She and her friends in USA suggested me to join MCSE at Rooman. I am thankful to my sister and Rooman for my success."

Mohan Babu
Consultant MS - Microsoft

FAQs

(FREQUENTLY ASKED QUESTIONS)

What's the timing of the classes?
We conduct batches from 7am - 9pm in the slot of 2Hrs, 4 Hrs and 8Hrs per day

Where is ROOMAN located?
ROOMAN has its presence at more than 75 locations in India with its registered office at Rajajinagar, Bangalore. We also have the branch at Canada, Malaysia, Tanzania and Sri Lanka. Shortly we are going to launch our branches throughout Gulf, Russia and Thailand. A list of existing branches with contact detail is available at www.rooman.net/home/learningcenters.aspx

What is the 100% Job Guarantee offered by Rooman and what's the salary range?
Rooman offers the Job guaranteed courses to assure a student of securing a job on the successful completion of their course. Based on the courses undergone, communication skills, and any prior experience of the candidate, Rooman offer jobs in the salary range of 1Lakh to 10 Lakhs per annum.

What's the minimum qualification to join the job-guaranteed course?
Any candidate having a good communication skill can opt for our job-guaranteed course. We have different package courses designed for the students with academic background of 10th/PUC, Diploma, Graduates and Masters.

Are the courses offered by Rooman suitable for the female candidates?
Few years back, Hardware and Networking profession was limited to the male candidates due to extensive traveling for onsite support. Today, Remote Control and Desktop sharing tools has eased out the process of maintaining and rectifying the computer/Network related problems, hence one can support a client miles away from them, may be even in some different sub-continent, sitting at one place. This development in technology have created the equal opportunity for female candidates in Hardware and Networking industry as that of males.

Can we take the International Certification tests at Rooman?
Yes, Rooman is the Authorized Testing Partner of Prometric to conduct the certification Tests.

Is Computer knowledge required to join the courses offered by Rooman?
We have courses where we cover the basic of Computer and Electronic; hence it's not a must to have the knowledge of computer, in order to join the courses offered by Rooman.

When do the classes start?
It depends on the number of enrollments per week. Branches with average number of enrollments begin a batch every alternate week, wherein branches with good number of enrollments starts a batch every week.

WHY ROOMAN

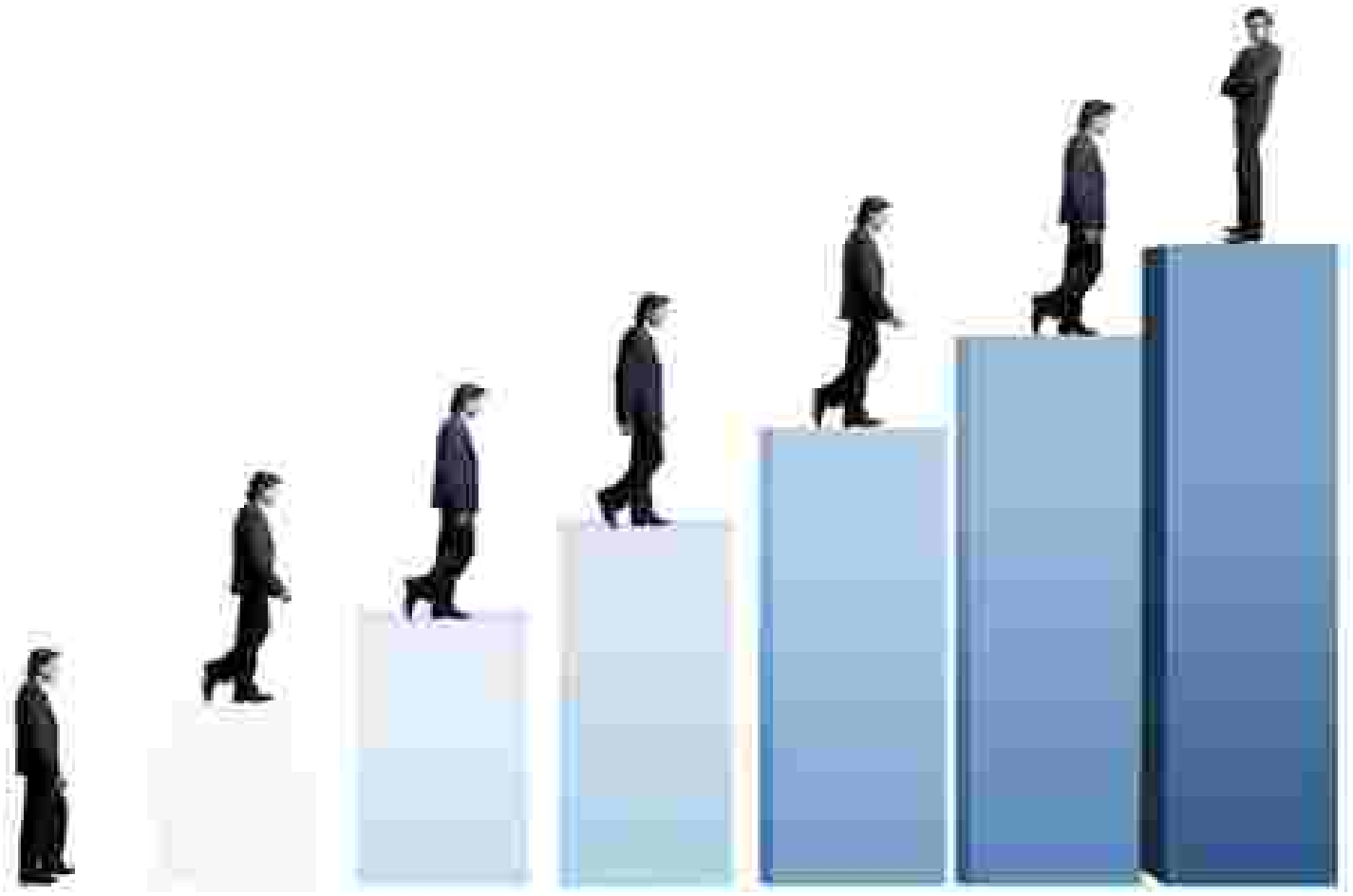
We bring Technology to India.
At Rooman, We claim to bring Technology to India and others launch it after 2-3 years by getting their faculty trained through us .
We launched MCSE & CCNA in 1999, Checkpoint Firewall &VPN in 2000, Intrusion Detection Training from ISS in 2001, Ethical Hacking & Computer Forensics in 2002….;Continuing to the same Trend We are the first to launch many Training Programs, such as CCSP, CCIE, IPS, NOKIA, Firewall, Websense (UFP server),CVP, Anti Virus Management, Virtualization … and the list goes on.

Earn While You Learn
IT SupportDesk is the sister concern of Rooman which deals with IT Infrastructure Management Services, AMC of Computers, Network Design & implementation, Network Security Consultancy & Auditing. Few of the Training Packages offered by Rooman includes an internship program at IT SupportDesk during the Training.

Integrated Degree/Post Graduation Program.
With a renowned University tie-up, Rooman offers Degree(BSc-IT) and Post Graduation (MSc-IT) as part of it's Integrated Training programs.

State of the Art Lab with Real-time Connectivity
Most of the other Training organizations offer their training theoretically due to the lack of resources. At Rooman we are equipped with all the resources required to create a real time Practical environment such as Latest Series of Routers & Switches, PIX, ASA, IDS/IPS, Leased Line, ISDN Line etc.

100% Job Guarantee
Our students are working for IT Giants like Microsoft, IBM, Cisco, HP, Wipro, Infosys as Network Engineer, System Administrator and Security Consultant with salary ranging from 1.5 Lacs to 15 Lacs per Annum. Rooman is the "First Choice of Recruiters" for any vacancy in Hardware, Networking and Security



CGR

(CAREER GRAPH AT ROOMAN)

	CIO CHIEF SECURITY OFFICER NETWORK ARCHITECT	8 Lakh Plus
Sem - V	SECURITY DESIGN ENGINEER WAN ENGINEER FIREWALL ADMINSTRATOR	5-8 Lakh
Sem - IV	ETHICAL HACKER IT SECURITY ENGINEER TRAINEE SECURITY ADMIN	4-6 Lakh
Sem - III	MICROSOFT EXCHANGE ADMIN WINDOWS SERVER 2008 ADMIN	3-5 Lakh
Sem - II	NETWORK ENGINEER SYSTEM ADMINISTRATOR	2-4 Lakh
Sem - I	CUSTOMER SUPPORT ENGINEER DESKTOP SUPPORT ENGINEER HARDWARE ENGINEER	1-3 Lakh