Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)

Old Bombay Road, Gachi Bowli,
Hyderabad – 500 032, Telangana, India

INFORMATION TECHNOLOGY DIVISION

PROFESSIONAL DEVELOPMENT PROGRAMME

Firewall & VPN Security Administration

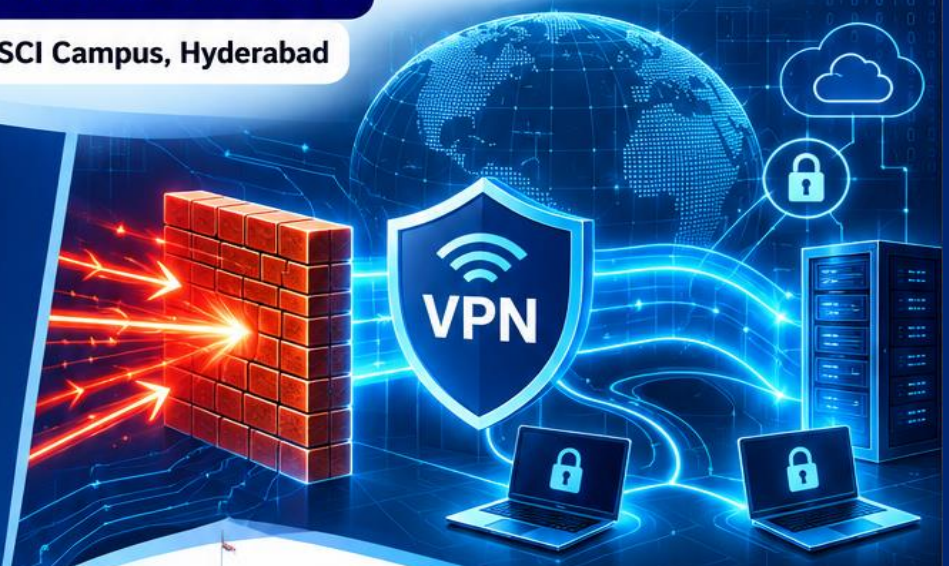
Strengthen Network Security | Secure Access | Ensure Business Continuity

16 – 20 NOVEMBER 2026

Venue: ESCI Campus, Hyderabad

PROGRAM HIGHLIGHTS

- Fundamentals of Network Security & Threat Landscape
- Firewall Concepts, Policies and Configuration
- VPN Technologies & Secure Remote Access
- Hands-on Configuration and Administration
- Monitoring, Troubleshooting and Incident Response
- Best Practices, Compliance and Case Studies





EXPERT FACULTY | **HANDS-ON PRACTICALS** | **INDUSTRY RELEVANT** | **LATEST TOOLS & TECHNOLOGIES** | **INTERACTIVE LEARNING**

(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution)

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Centre for Promotion of Professional Excellence

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Introduction

The world is becoming more interconnected with the advent of the Internet and new networking technology. Network security is becoming of great importance because of intellectual property that can be easily acquired through the internet. Security is crucial to networks and applications. Although, network security is a critical requirement in emerging networks, there is a significant lack of security methods that can be easily implemented.

This 5 day Firewall & VPN Securiy Program provides an understanding of the concepts and skills necessary to configure Firewall Security Gateway and Virtual Private Networks(VPNs). During this course you will configure a Security Policy and learn about managing and monitoring a secure network. In addition, you will upgrade and configure a Security Gateway to implement a virtual private network for internal, external, and remote users.

Objective

- Course will enable to gain the knowledge in Network Security
- To understand about Firewalls, Cryptography, VPNs, IPS
- To analyze security threats and protect organization's systems and database
- Hands-On Training on UTM Firewalls.

Course Content

Network Security

- About Network Security
- Network Attack Techniques
- Common Vulnerabilities and Exposures
- Trojans, Viruses, Worms, Logic Bombs
- Eavesdropping, Phishing, Smurfing, Rootkit, DDoS
- Intrusion Detection System (IDS) and Intrusion Prevention System (IPS)

Firewall for Network Security

- Types of Firewalls
- Firewall Configuration Strategies
- Handling Threats and Security Tasks
- Multi Firewall DMZ
- Firewall Log Analysis Protocol Intrusion Detection System
- Digital Certificates
- Hands-on Practical on UTM
- Network Behavior Analysis (NBA)

ASA Firewall

- Overview of Cisco PIX and ASA models
- Configuring Failover
- Security Appliance Management.
- Access Control Lists and Content Filtering
- Object Grouping
- Switching and Routing with ASA Device

Virtual Private Network

- Site to Site VPN with PSKs.
- Remote Access VPN Configuration
- Cisco SSL VPN for the ASA device

Wireless Security

- About Wireless Networks
- Wireless Protocols
- Configuring Wireless Networks
- Securing Wireless Networks
- Monitoring Wireless Networks
- Wireless Security & Challenges

Network Monitoring Tools

Methodology

Methodology of the programme includes class room sessions with Lecture / Discussion with Hands- on Practical, with tools, audio visual aid, bench marked video shows, Chalk & Talk sessions, group discussions, case studies, debates, sharing of experiences etc. All the sessions will be interactive demanding active participation from all the members.

Target Participants

- System Engineers / System Administrators / Network Administrators
- IT professionals who are interested in Network Security

Course Director

Mr. Syed Azgar , MBA(IT), RHCE, MCSA,
Sr Faculty & Head IT,
Information Technology Division.

Course Fee

- ₹ **30,000/- (Residential Fee)** per participant. Fee includes Single / Double AC accommodation as per the availability, course material, course kit, Breakfast. Lunch, Dinner, Tea / Coffee and Snacks during the actual days of the training program.

GST @18% is to be paid extra and above the training fee as training. **PAN Card No.** AAATT3439Q. **GST No: 36AAATT3439Q1ZV, HS No.: 999293** (under commercial training or coaching services – clause 65(105) (ZZC) of Finance act – 1994).

Programme fee is to be paid in in favour of **"THE INSTITUTION OF ENGINEERS (INDIA) – ENGINEERING STAFF COLLEGE OF INDIA"** by **Electronic Fund Transfer (EFT)** to ESCI – **Axis Bank** A/c No. **912010049234564** with The Axis Bank Ltd, Old Mumbai Hwy, Cyberhills Colony, P Janardhan Reddy Nagar, GachiBowli Hyderabad-500032 by NEFT/ RTGS/ IFSC Code No. UTIB 0000733 – MICR No.500211020. **While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.**

Registration

To register manually please send your nominations giving details of name, designation, contact address, email address, mobile no, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to : **it@escihyd.org**

A Certificate of participation will be awarded to each participant on conclusion of the programme.

Glimpses of our Recent Programmes



