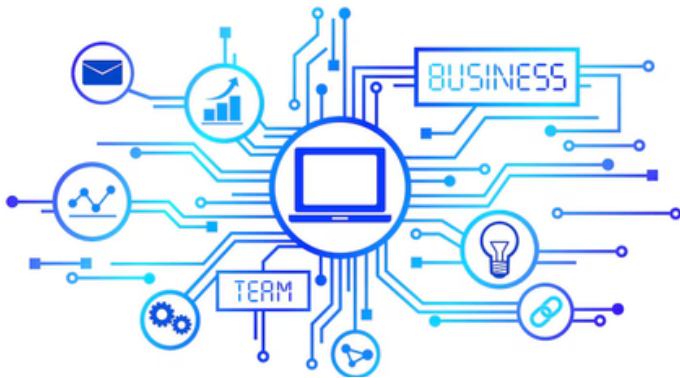# Innovative Academy
Future Redefined

NETWORKING (N+)

Total Duration-20 hours

Career Opportunities After Completing Networking Essentials

NETWORK SUPPORT ENGINEER
Assist organizations in maintaining and troubleshooting their networks—your foundation in IP addressing, subnetting, and configurations will shine here.
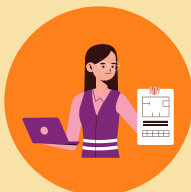
TECHNICAL SUPPORT EXECUTIVE
Be the frontline of IT helpdesk support for global companies, resolving network-related issues with confidence and professionalism.

SYSTEM ADMINISTRATOR (JUNIOR)
Lay the groundwork for a systems career by managing basic network devices, user accounts, and LAN setups in corporate environments.

FIELD NETWORK TECHNICIAN
Travel onsite to configure routers, switches, and wireless networks—perfect for those who like being hands-on and mobile.

IT OPERATIONS EXECUTIVE
Support day-to-day tech operations within businesses, ensuring network uptime, security compliance, and seamless connectivity.

NOC (NETWORK OPERATIONS CENTER) ASSOCIATE
Work in a high-tech control room environment monitoring network health for large-scale enterprise systems or telecom companies.

How Networking Essentials sets you up for success in advanced fields:

Here's how Networking Essentials sets you up for success in advanced fields:

1

Understand the Language of the Internet
Learn how data actually travels across the globe—IP addresses, routers, switches, protocols. This is the language of the internet, and every advanced IT course assumes you already speak it.

2

Builds the Backbone for Cybersecurity
You can't secure a network if you don't understand how it's built. Firewalls, VPNs, intrusion detection—these are just fancy tools unless you've mastered basic networking.

3

Essential for Cloud Computing
AWS, Azure, Google Cloud—these platforms run on virtual networks. Knowing subnets, gateways, and DNS is critical before you can deploy cloud-based systems.

4

Crucial for DevOps & System Administration
Automation, scripting, CI/CD pipelines—yes. But behind every server and script is a network that connects it all. Without understanding networking, you're flying blind.

5

Helps You Think Like an Engineer
Networking teaches you logical troubleshooting, structured thinking, and system-level problem-solving—skills that apply to every IT specialization.
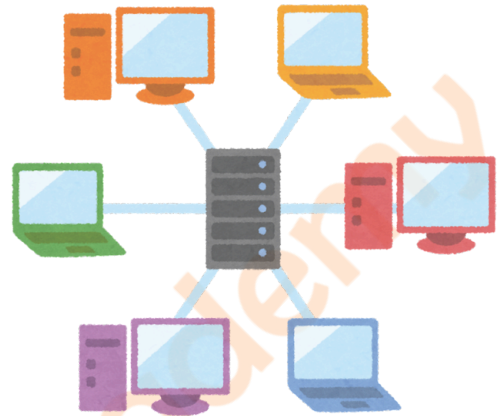
If you skip Networking Essentials, you're building your tech career on quicksand. Learn the fundamentals right—and every advanced course will feel 10x easier and more meaningful.

Networking Course Syllabus

1. Introduction to Network

2. Network Types
- LAN
- CAN
- MAN
- WAN
- SAN

3. Network Topologies
- Bus Topology
- Star Topology
- Tree Topology
- Mesh Topology
- Ring Topology
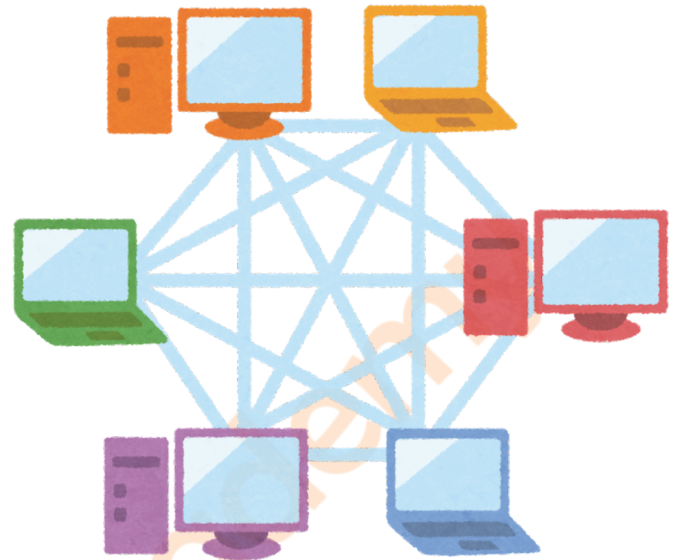- Dual-Ring Topology
- Hybrid Topology

4. Summarizing Cloud and Datacenter Architecture
- Summarize Cloud Concepts
- Explain Virtualization and Storage Area Network Technologies
- Explain Datacenter Network Architecture

5. Network Devices

- Hub
- Switch
- Router
- Repeater
- Bridge
- Firewall
- NIC card

6. Ethernet Cabling

- Coaxial cable
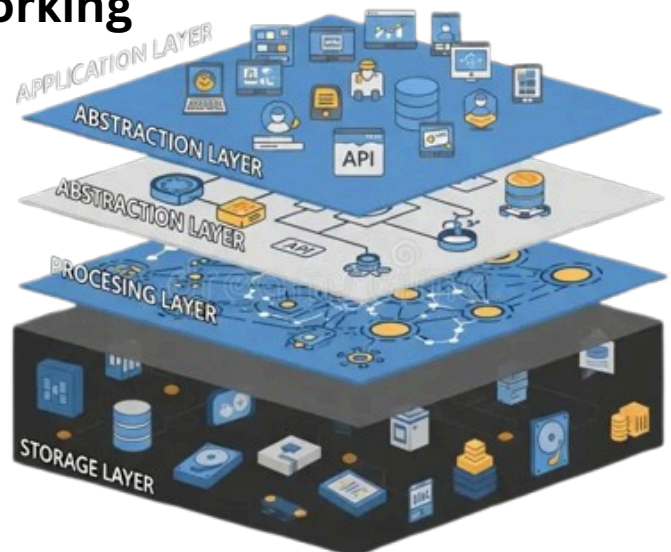- Twisted pair cable
- Fiber optic cable

7. IP Address

- IPv4
- SUBNETTING
  A. CLASS – A
  B. CLASS - B
  C. CLASS – C
- IPv6

8. Understanding NAT in Networking

- Private and Public Network
  A. CLASS – A
  B. CLASS - B
  C. CLASS – C

9. Network Protocols

- TCP
- UDP
- ARP
- SMTP
- FTP
- HTTP
- HTTPS

10. OSI Reference Model

- Application layer
- Presentation layer
- Session layer
- Transport layer
- Network layer
- Data-link layer
- Physical layer

11. TCP/IP model

- Application layer
- Transport layer
- Internet layer
- Network layer

12. Network Services

- Explain the Use of DHCP Services
- Explain the Use of Name Resolution Services
- DNS Services

13. Server and Client Model

- P2P Pear Model
- Servar-Client Model

14. Basic Switching Technologies

- Deploy Networking Devices
- Explain Network Interfaces
- Deploy Common Ethernet Switching Features

15. Understanding Wi-Fi Technologies

- Summarize Wireless Standards
- Install Wireless Networks
- Troubleshoot Wireless Networks
- Configure and Troubleshoot Wireless Security

16. Basic Routing Technologies

- Compare and Contrast Routing Concepts
- Compare and Contrast Dynamic Routing Concepts
- Install and Troubleshoot Routers

17. Explaining Common Security Concepts

- Explain Common Security Concepts
- Explain Authentication Methods

18. Introduction to Network Simulator Packet Tracer

- Basic OSI Packet Flow using SImulator
- Basic Switching Labs
- Basic Routing Labs

19. Ensuring Network Availability

- Explain the Use of Network Management Services
- Use Event Management to Ensure Network Availability
- Use Performance Metrics to Ensure Network Availability

Additional Hours- Resume preparations, personality development sessions, technical round preparations and mock interview sessions. We ensure all our students from both IT and Non IT background are placed with decent package as fresher in the industry

OUR ADMISSION PROCESS

GETTING STARTED AT INNOVATIVE ACADEMY IS SIMPLE AND STUDENT-FRIENDLY

Step 1

FILL OUT THE REGISTRATION FORM
Visit our center or register online to book your seat.

ATTEND A FREE COUNSELLING SESSION
Talk to our course advisor to understand the curriculum, career path, and placement roadmap.

Step 2

CHOOSE YOUR BATCH & MAKE PAYMENT
Select a batch that fits your schedule — weekday/weekend/flexible — and pay through any of our convenient payment modes.

Step 3

BEGIN YOUR LEARNING JOURNEY
Join the class, meet your trainer, and start your journey to becoming a certified networking professional!

Step 4

"THE SOONER YOU START, THE SOONER YOU SUCCEED."

🤝 **HOW OUR PLACEMENT TEAM SUPPORTS YOU**

AT INNOVATIVE ACADEMY, PLACEMENT ISN'T AN AFTERTHOUGHT — IT'S BUILT INTO THE JOURNEY.

1 **Dedicated HR Support**

Get 1-on-1 guidance from our in-house HR expert to help apply for jobs, understand interview formats, and improve communication.

2 **Communication & Soft Skills Training**

Build confidence with regular sessions focused on speaking clearly, answering smartly, and presenting yourself professionally.

3 **Daily Job Alerts in WhatsApp Group**

Access exclusive job openings, walk-ins, MNC hiring drives, and company updates posted regularly in our dedicated placement group.

4 **Mock Interviews & Resume Building**

Practice real-world interview scenarios and get help crafting a resume that gets noticed by recruiters.

📄 **Resume Help**

🎤 **Mock Interviews**

🏙️ **Job Openings**

🤝 **HR Mentorship**

📱 **WhatsApp Support**

🗣️ **Communication Classes**

TESTIMONIALS

At Innovative Academy, we believe your background doesn't define your future—your determination does. Dozens of our students from non-technical streams like B.Com, B.A., Diploma, even Class 12, have taken their first step with Networking Essentials—and today, they're confidently working in IT roles across India.

Ritesh S

B.Com Graduate to Network Support Engineer
"I had no technical knowledge and was working in a call center. Joining Networking Essentials opened up a new world for me. Today, I'm supporting global clients in managing their networks."

📍 **Placed at: Wipro | Role: Technical Support Associate**

Priya Gowda

Arts Graduate to Cybersecurity Trainee
"Networking Essentials made technical concepts simple for someone like me. I went on to complete CCNA and now I'm training in cybersecurity. I never imagined I'd enjoy this field so much!

📍 **Placed at: Wipro | Role: Technical Support Associate**

Ravi Yadav

Diploma Mechanical to IT Infrastructure Support
"I always thought IT was only for computer engineers. But this course changed my perspective. I'm now managing routers, switches, and server configurations!"

📍 **Placed at: HCL Technologies | Role: Network Technician**

www.innovativeacademy.in

MORE INFO
CONATCT US

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🌐 www.innovativeacademy.in

Why Choose Us?

Proven Success

Expertise

100% Placement

"From zero to network hero—your transformation starts here."