Jaipur Engineers
Your One-Stop IT & Staffing Ecosystem

NETWORKING

Networking

SAMPLE PROJECT

Small Office Network Plan



COURSE FEE

Fee on enquiry

JAIPUR, RAJASTHAN

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Networking

Core concepts



01	Network models, devices and cabling
02	IPv4, IPv6 and subnetting
03	Switching, VLANs and trunk fundamentals

Draw the topology

Label each device, connection and access boundary in a simulation.

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Applied skills

- **Clients**
- **Connectivity**
- **Services**



04 Routing, DHCP, DNS and NAT concepts

05 Wi-Fi, access controls and secure management

06 Simulation, diagnostics and documentation

PROJECT DELIVERABLES

A topology, addressing plan and results from representative diagnostic checks.

Networking

Portfolio project

Small Office Network Plan

Design a small office topology and verify IP addressing, device connectivity and basic traffic controls.



Draw the topology

Label each device, connection and access boundary in a simulation.

Check connectivity

Record expected traffic paths and confirm results in the simulator.

A topology, addressing plan and results from representative diagnostic checks.

Networking

Course fees

COURSE FEE

Fee on enquiry

Ask admissions for the course fee, available batches and enrolment details.

ADMISSIONS

+91 70146 92039

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Mansarovar, Jaipur, Rajasthan 302020

SCAN FOR MAP

Check course details

Networking

Course content

MODULES 01–02

01

Lessons & practice

- Network models
- Devices
- Cabling

HANDS-ON Trace a request across a sample LAN and label the role of each device.

02

Lessons & practice

- IPv4
- IPv6
- Subnetting

HANDS-ON Create an IPv4 and IPv6 addressing plan and check for overlapping ranges.

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Course content

MODULES 03–04

03

Lessons & practice

- Switching
- VLANs
- Trunk fundamentals

HANDS-ON — Build a VLAN and trunk layout in a simulator and test separation.

04

Lessons & practice

- Routing
- DHCP
- DNS
- NAT concepts

HANDS-ON — Verify a simulated client receives an address, resolves a name and reaches a routed network.

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Course content

MODULES 05–06

05 — Lessons & practice

- Wi-Fi
- Access controls
- Secure management

HANDS-ON — Plan Wi-Fi access and demonstrate secure management controls in the lab.

06 — Lessons & practice

- Simulation
- Diagnostics
- Documentation

HANDS-ON — Isolate a simulated connectivity fault and record what fixed it.