

# Certificate Course in Network Administration

## Certificate Course in Network Administration

6 Weeks / 90 Hrs. (3 Hrs. per day)

Timing: - 11:00 AM to 02:00 PM

6 Weeks Online Course

### Objective

Certificate Course in Network Administration aims to groom the students to enable them to work on current network technology scenarios as well as prepare them to keep pace with the changing face of network technology and the requirements of the growing IT industry. After the completion of the course, students can work as Network Administrator / Network Support and associated service sectors.

10+2, MSc / BSc (IT / Computer Science / Electronics), BE / B.Tech, MCA, or equivalent of any of these.

### Eligibility

### Prerequisite

- ✓ Candidate must have latest computer/laptop with preferably 4 GB RAM or higher and Graphics Card (2 GB)
- ✓ Software: Windows and Linux Operating System like Windows10, CentOS
- ✓ Internet connection with good speed (*preferably 2 Mbps or higher*)

### Course Fees

Rs. 2900/- incl. GST & all other charges.

### Certificate

Certificate will be provided to the participants, based on minimum 75% attendance and on performance (minimum 50% marks) in the online test, conducted at the end of the course

### Methodology

- ✓ Instructor-led live classes.
- ✓ Instructor-led hands-on lab sessions.
- ✓ Content Access through e-Learning portal.
- ✓ Assessment and Certification

### How to Apply?

**Step-1:** Read the course structure & course requirements carefully.

**Step-2:** Visit the Registration portal and click on apply button.

**Step-3:** Create your login credentials and fill up all the details, see the preview and submit the form.

**Step-4:** Login with your credentials to verify the mobile number, email ID and then upload the documents, Lock the profile and Pay the Fees online, using ATM-Debit Card / Credit Card / Internet Banking / UPI etc.

## Course Content

| Day     | Topic   | Day     | Topic   | Day     | Topic   |
|---------|---|---------|---|---------|---|
| Day #01 | What is Personal computer hardware                | Day #02 | What is Operating Systems and its functions               | Day #03 | Network Configuration with Windows and Linux  |
| Day #04 | Basic Network and OSI Network Layer               | Day #05 | Network Media and Devices                                 | Day #06 | LAN Cables(Straight through cable and Cross Over Cable)   |
| Day #07 | Addressing the Network-IPv4 and intro of IPv6     | Day #08 | Network Services like DNS, DHCP, FTP, Telnet, HTTP, Mail  | Day #09 | Wireless Technologies Wireless Transmission, Microwave, Radio Waves and their respective connectors |
| Day #10 | Configuration of Wireless router with WEP and WPA | Day #11 | Basic Network Security types of Attack and their remedies | Day #12 | The Internet and its uses, Structure of Internet  |
| Day #13 | Connecting to the internet through an ISP         | Day #14 | Planning the addressing structure, Subnetting, Classful   | Day #15 | Configuring network devices, Out-of-band, In-band   |
| Day #16 | Switching in an enterprise Network(VLAN and VTP)  | Day #17 | STP, Intr-VLAN Routing                                    | Day #18 | Addressing in an enterprise Network(VLSM,CIDR,NA T)   |
| Day #19 | What is Routing, Types of Routing                 | Day #20 | Configuration of Static Routing                           | Day #21 | Routing with a link-state protocol  |
| Day #22 | Routing with Distance Vector Protocol             | Day #23 | Filtering traffic using Access Control Lists              | Day #24 | Troubleshooting your network  |
| Day #25 | Gathering Network requirements                    | Day #26 | Characterizing the existing network                       | Day #27 | Identifying Application Impacts on Network Design   |
| Day #28 | Creating a Network Design with IP address         | Day #29 | Prototyping the campus Network                            | Day #30 | Prototyping the WAN   |

## Course Coordinator

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**CLICK HERE TO REGISTER**