National Institute of Electronics & Information Technology
Gorakhpur – Extension Centre Lucknow
(Under Ministry of Electronics and Information Technology, Govt. of India)
MMMUT Campus, Deoria Road, Gorakhpur-273010
http://www.nielit.gov.in/gorakhpur/

Certificate Course in Network Administration

Certificate Course in Network Administration

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

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.

Eligibility

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

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. 3500/- 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.

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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,NAT)
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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