

National Institute of Electronics & Information Technology Gorakhpur – Extension Centre Lucknow

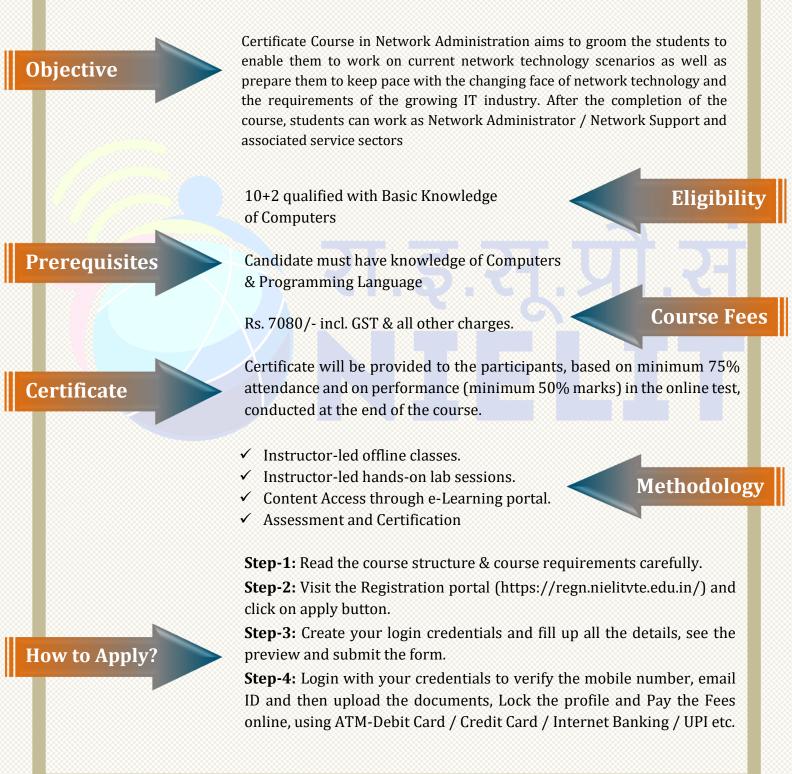
(Ministry of Electronics and Information Technology, Government of India) MMMUT Campus, Deoria Road, Gorakhpur-273010 http://www.nielit.gov.in/gorakhpur/



Network Administration

Certificate Course in Network Administration6 Weeks In-Campus CourseMedium of Instruct

Duration: - 6 Weeks (90 Hours) **inistration** Batch Size: 30 Medium of Instruction: Bilingual (English & Hindi)





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Course Content

Day	Торіс	Day	Торіс	Day	Торіс
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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