

**Short Term Courses – NIELIT**  
**Certificate Course in Network Administration**

**Objective of the Course:**

By the end of the course, students will be able to describe and execute network administrator duties and utilities. They will know how to implement server organisation, user rights, user addition, maintenance of security and user accounting.

**Learning Outcomes:**

Demonstrate understanding of how computers communicate with each other and the methods employed to ensure that the communication is reliable.

**Expected Job Roles:**

Network Technician

**Duration of the Course (in hours)**      80 hrs

**Appr. Fees (INR):**                      Rs.4000/-

**Minimum Eligibility Criteria and pre-requisites, if any**                      10(+2stage) with Computer background

**Outline of Course**

S. No	Topic	Minimum No. of Hours
1.	Introduction to Computer Networks	2 hrs
2.	Networking Hardware	5 hrs
3.	Computer topology	3 hrs
4.	Network protocol	3 hrs
5.	Network Configuration	6 hrs
6.	Networks Models	6 hrs
7.	Types of networks	5 hrs
8.	Transmission medias	3 hrs
9.	Basic addressing	4 hrs
10.	Server installation	4 hrs
11.	Basic network troubleshooting	9 hrs
<b>Theory / Lecture Hours:</b>		50 hrs
<b>Practical / Tutorial / Lecture Hours:</b>		30 hrs
<b>Total Hours:</b>		80 hrs

**Books recommended for reference and reading:**                      The Practice of system & Network Administration 2<sup>nd</sup> edition by Thomas Limoncelli

**Group Code:**      HDNT                      **Group Name:**      Hardware and Networking

**Course Code:**      CT02                      **Course Name:**      Certificate Course in Network Administration

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