Saraswati Niketan Secondary School

Brahma Tole-12, Kathmandu



Computer Network

Demonstration Report

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**Title:** Configuration of Local Area Network

**Objective:** To connect two devices over a LAN network and share files and folders

**Theory:**

**Computer Network is a system that connects two or more independent computers to share data and resources among each other. A connection can be established either by using guided or unguided media.**

**There are different types of computer network which includes personal area network (**PAN**), local area network (**LAN**), metropolitan area network (**MAN**) and wide area network (**WAN**).**

**Procedure:**

**Firstly, we connected two computers through guided media using a Ethernet cable.**

**We shared files and folders from a computer by following the steps below:**

1. **Open the Run dialog box by pressing the windows key followed by R**
2. **Type “control” and then hit the enter button**
3. **On the control panel, double-click on Network Connections.**
4. **Right-click Local Area Connection.**
5. **Click Properties.**
6. **Select Internet Protocol (TCP/IP), and then click Properties.**
7. **Select Use the Following IP Address.**
8. **Fill the IP address, Subnet mask, and Default gateway fields.**
9. **This IP address will be used to access the shared resources.**
10. **Click OK on the Local Area Connection Properties window.**
11. **Select a user on the network to share the file with, or select Everyone to give all network users access to the file.**
12. **If you select multiple files at once, you can share them all in the same way. It works for folders, too—share a folder, and all files in it will be shared.**

**We accessed the shared resources on another computer by following the steps below:**

1. **Open the Run dialog box by pressing the windows key followed by R.**
2. **Type the IP address of the computer that we had set.**
3. **Now the shared resources are shown in the file explorer.**

**Conclusion:**

The purpose of the practical experiment was to learn how resources can be shared among computers over a network. One can see from the above provided details that the objective was met.