# World University of Bangladesh

Course Title : Computer Networks Lab
Code             : CSE 1006

## Assignment

**Submitted By**

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Batch        : 42[c]

**Submitted To**

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Lecturer at World University of Bangladesh

**Question 1.**
**Description**
Dear Students,
Please prepare a list of content + Applications for the below agenda/Issue.

1. Network: Hardware requirements (Like Devices & others accessories) for your implementation network systems+ Product Invoice
2. Application Submission to Authorized persons. WO+ PO (Work Order & Purchase Order)

**Answer.**

Introdunction:

In the age of internet networking is a common thing. We know the connection between two or more computers can establish connection and respectively makes a sample or big real life internet. For maintaining the connection of an office, university, enterprise we need to make the networing envirenment by what we can establish connection among the devices.

Hardware requirements:

The hardwares which is required for implementing a networking are given below :-

| No. | Name of device / accessories |
|------|------------------------------|
| I | Modem |
| II | Router |
| III | Repeater |
| IV | Switch |
| V | LAN cable |
| VI | Access point |
| VII | FIrewall |
| VIII | Patch panel |

Hardware describe:

The descriptions of the hardwares are described below :-

I. Modem : The modem is actually known as modulator or demodulator. It converts data from one format to another format that suit for the device.

II. Router :  The router connects the computers and other devices to the internet. And it chooses the best router for a device.

III. Switch : A network switch is a networking device that establishes connections between or among the devices and distribute data among them.

IV. LAN cable : LAN is local area network. And for connecting them the LAN cables are used.

V. Firewall : The firewall success the network and rejects unwanted packets.

The product invoice of the hardwares :

CISCO
Address: xxxx
Phone no. xxxxxxxxx
Email: xxxx@cisco.com

Invoice no. 0123456789                    Date. 01.01.2021

| S No. | Product ID | Product name | Quantity | Cost of one | tax | amount |
|-------|-----------|--------------|----------|-------------|-----|--------|
| 1 | 001 | Router | 5 | 832 | 125 | 4785 |
| 2 | 002 | Modem | 2 | 5295 | 785 | 14515 |
| 3 | 003 | Switch | 3 | 945 | 142 | 3261 |
| 4 | 050 | Repeater | 8 | 64726 | 97 | 5952 |
| 5 | 071 | Patch panel | 4 | 732 | 109 | 3364 |
| 6 | 124 | LAN cable | 8 | 77 | 12 | 712 |
| 7 | 568 | Access point | 5 | 752 | 112 | 4320 |
| 8 | 013 | FIrewall | 1 | 995 | 150 | 1145 |

Total:          38054

Company name: CISCO
Contact: 0123456789
Company address: abc
Company phone: 0123456789                              **Work Order**


Setting up some computers in the network


In the task we have to collect the customer's informations and write it down. Because, we have get the submissions only from the authorized customers.


Generating a new ticket


Catagory : Operating system
Status : Open
Type:
Escalated:
Pending: No
Item: Hardware
Pending until data:
Business impacting: X yes O No


Summary : Have get submissions from the authorized persons.


Case ID# 0ABC0789
Connection type: Ethernet
Priority: 20
Environment: Local area network
User platform: Windows 7


Working descriptions: We have some computers but the thing is we need to connect the computers with our network. And assign the computers only of the authenticated users.

Company name: CISCO
Street address: xxx
City: xxx
Fax: xxxxxxxxxxx
Website: www.cisco.com

**Purchase order**

Date: 01.01.2021
PO# xxxxxxxxx

Vendor

Company name: CISCO
Contact: 0123456789
Address: abc
City: abc
Phone: xxxxxxxxxx
Fax: xxxxxxxxxx

Ship to:

Company name: Ice crystal
Recipient: abc
Address: abc
City: abc
Phone: xxxxxxxxxx

| Item# | Description | QTY | Unit prize | Total |
|-------|-------------|-----|------------|-------|
| 001 | Router | 5 | 832 | 4785 |
| 002 | Modem | 2 | 5295 | 14515 |
| 003 | Switch | 3 | 945 | 3261 |
| 050 | Repeater | 8 | 64726 | 5952 |
| 071 | Patch panel | 4 | 732 | 3364 |
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| 568 | Access point | 5 | 752 | 4320 |
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