



**<Name of Company> NETWORK PLAN**

**ICE323 – Professional Elective 3**

By

*Last Name, First Name*  
*Last Name, First Name*

BSIT - X

Instructor

**Ariel Roy L. Reyes**

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## I. Case Overview

- describe the company, nature of the company, products and services, processes
- single branch or multi-branch
- building (one or more buildings, one or more floors, etc.)
- data being handled
- departments, number of users, devices needed,
- constraints/conditions/policies

## II. Network Design

### A. Building Plan and Floor Plan

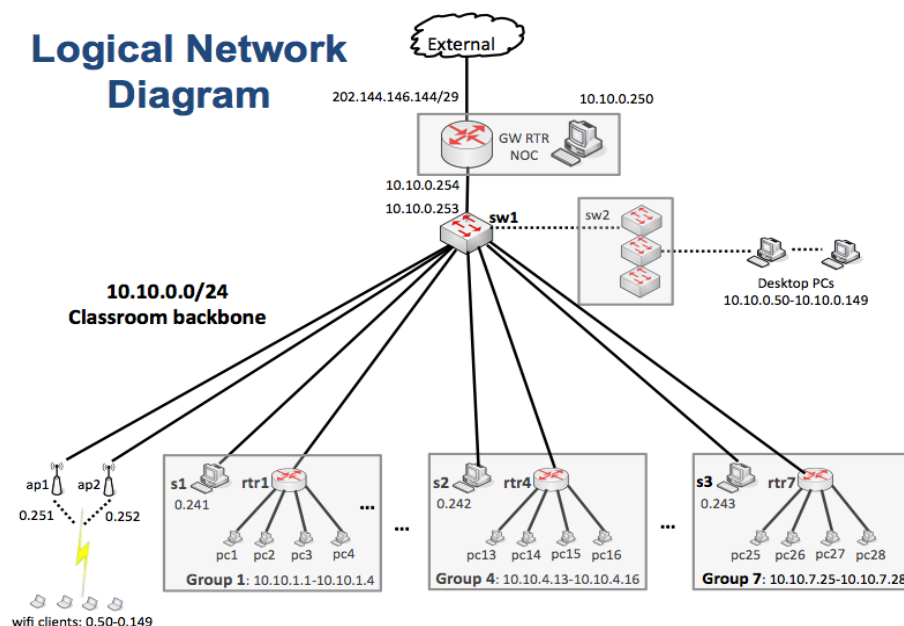
- Screenshot or building plan with floor plans and provide detailed discussion on the possible placement of IT devices to be considered in the network plan.

### B. Devices and Media

- List down the devices and media that will be used in the proposed network with its corresponding purposes.

### C. Topology

- Screenshot of the network topology for the proposed network design and provide a detailed discussion relative to the choice of topology, interconnection, and layout.  
Example:



## D. IP Addressing

IP addressing to be used in the network. Example:

Device	Interface	IP Address	Subnet Mask	Default Gateway	Switch Port
Router A	G0/0/1	192.168.1.1	255.255.255.0	N/A	N/A
Router A	G0/0/2	192.168.2.1	255.255.255.0	N/A	N/A
S6	VLAN 10	192.168.2.8	255.255.255.248	N/A	N/A
Customer Support Department PC (100 units)	NIC	192.168.1.2 – 192.168.1.101	255.255.255.0	192.168.1.1	S1 (E1-E24) S2 (E1-E24) S3 (E1-E24) S4 (E1-E24) S5 (E1-E4)
HR Department PC (5 units)	NIC	192.168.2.9 – 192.168.2.13	255.255.255.0	192.168.2.1	S6 (E1-E5)

## E. Line Item Budget

Lists each individual estimated expense category (line item) separately along with the estimated budgetary requirement per device and media for each category. Example:

Particulars		Estimated Budget
IT Devices		
Huawei Ar3260 Enterprise Router	2 pcs	Php 111,909.00
Huawei <u>Quidway S3700 Series S3700-52p-Si-AC Campus Network Switch</u>	2 pcs	72,740.86
Huawei 8 Ethernet 10/100/1000 Ports Switch S5720-12tp-Li-AC	4 pcs	57,655.50
...		
Accessories and Consumables		
...		
Professional Services		
...		

## References

[1]

[2]

[3]

## CURRICULUM VITAE



### **Personal Information:**

Name:

Date of Birth:

Age:

Address:

Mobile:

USEP Email:

### **Educational Background:**

Elementary:

Secondary:

College:

**\*\* include the name and address of school**

### **Talents and Skills:**

- Computer Animation
- Digital Drawing
- Singing