



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

FACULTY OF COMPUTING
UTM Johor Bahru

NETWORK COMMUNICATIONS
(SECR 1213)

PROJECT

TASK 5: IP ADDRESSING SCHEME

Submitted To:

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From:

GROUP 7 LAB RATS

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1.0 Introduction

The IP that is assigned to our group is 192.21.0.0/8. Which means the netmask is 255.0.0.0.

The network address is 192.0.0.0/8 whereas the broadcast address is 192.255.255.255.

Usable IP addresses to assign to the end host are from 192.21.0.1 until 192.21.255.254.

2.0 IP Assignment: First Floor

Room	End Devices	Subnet Mask	IP Address Range	Broadcast Address	Network Address
General Purpose Lab	30	255.255.255.200	192.21.2.1 - 192.21.2.31	192.21.2.32	192.21.2.0
Network Lab	30		192.21.2.34 - 192.21.2.64	192.21.2.65	192.21.2.33

3.0 IP Assignment: Second Floor

Room	End Devices	Subnet Mask	IP Address Range	Broadcast Address	Network Address
General Purpose Lab	30	255.255.255.180	192.21.3.1 - 192.21.3.31	192.21.3.32	192.21.3.0
IoT Lab	30		192.21.3.34 - 192.21.3.64	192.21.3.65	192.21.3.33
Video Conferencing Room	8		192.21.3.67 - 192.21.3.97	192.21.3.98	192.21.3.66

For the rest of the subnet and network was not used since the one that we put was enough. Therefore, the unused subnet could be reserved in the future since this project was worth 20 years of product.

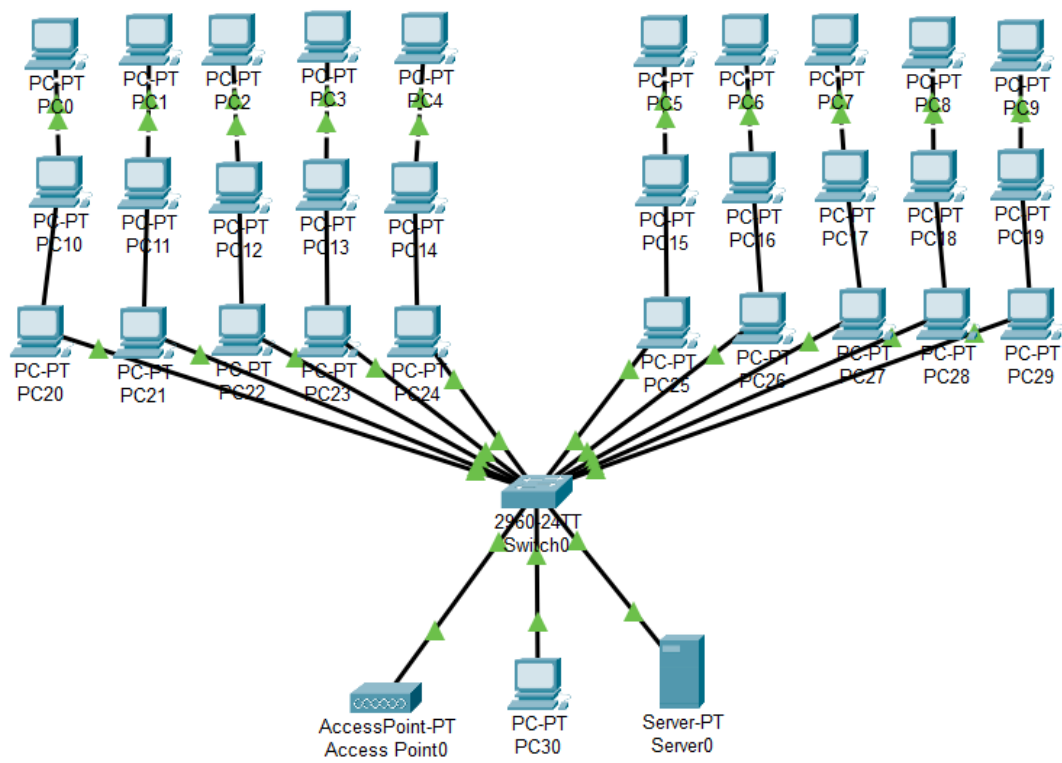


Figure 1 for General Purpose Labs, Network Lab and IoT Lab

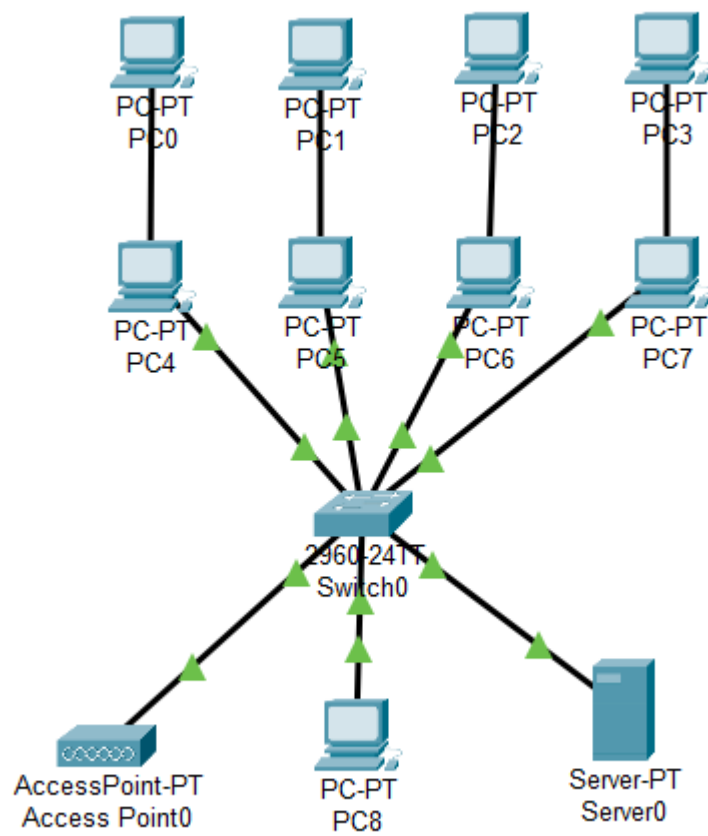


Figure 2 for Video Conferencing Room

MEETING MINUTES

MEETING MINUTES

5TH MEETING

DATE : 23/1/2023

DAY : MONDAY

TIME : 8.00 PM – 9.00 PM

ATTENDEES : JELIZA JUSTINE A/P SEBASTIN

: LOKE RUI KEE

: LIM JIE HAN

: MALLEYLENE PENEH

LOCATION : ONLINE – GOOGLE MEET

GOAL : UNDERSTANDING TASK REQUIREMENT, BRAINSTORMING
SOLUTION, AND TASK DISTRIBUTION

DISCUSSION NOTES

- 1) Went through all the task instructions and submission requirements.
- 2) Brainstorm opinions and ideas to solve the IP subnet mask problem.
- 3) Distribute the task for the first floor and second floor.

Adjournment at 9 p.m.

MEETING MINUTES

6TH MEETING

DATE : 25/1/2023

DAY : WEDNESDAY

TIME : 8.00 PM – 9.00 PM

ATTENDEES : JELIZA JUSTINE A/P SEBASTIN

: LOKE RUI KEE

: LIM JIE HAN

: MALLEYLENE PENEH

LOCATION : ONLINE – GOOGLE MEET

GOAL : UPDATE PROGRESS, FINAL REVIEW

DISCUSSION NOTES

- 1) Each team member has updated their respective progress.
- 2) Discussion on distribution of subnet range and IP addresses. Some necessary corrections are done.
- 3) Went through the final documents together as a final review.

Adjournment at 9 p.m.