



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

## **NETWORK COMMUNICATION**

**SECR1213**

**SECTION 01**

**TASK 6B**

**LECTURER: MR. MUHALIM BIN MOHAMED AMIN**

**GROUP NAME: GOGOBEBE**

**CHEE WAI LUM**

**A19EC0032**

1. Detail your contribution to the group and the project work.

In Task 1, I was responsible for completing the floor plan of the first floor together with Wei Hsien. We used FloorPlanner to draw the floor plan. When I had done the floor plan drawing then I passed to Hsien for labelling the scale. Lastly, I compiled the finalized floor plan for submission by Diviya.

In Task 2, we brainstormed about the questions to be answered when developing a comprehensive network plan. I chose to answer three questions that had been suggested after brainstorming along with determining the economic feasibility for the project. Furthermore, I compiled all the answers for the questions and sent it to Diviya for submission.

In Task 3, I was in charge of researching and purchasing the LAN devices that are needed at the first floor together with Hsien. It meant that we were going to determine the necessary network devices for the four labs. Then, I had calculated the total cost for purchasing all the required devices for our building.

In Task 4, I had illustrated the network topology of our building for identifying the work area. After dividing the region, I chose to calculate the cable length needed for the first floor and two of the labs.

In Task 5, I suggested on how to divide the network for best IP addressing. Afterwards, I performed the calculation on the IP address and tabulated them for each of the devices.

2. Detail the other members' contribution to the group and the project work.

Diviya is the project manager. She hosts the meeting throughout the project. For task 1, she is responsible for drawing the floor plan of ground floor together with Nisha. After that, she has contributed eight questions in Task 2 (Preliminary Analysis) and answered the selected six of them. In Task 3, she contributes to the selection of network devices for the two video conference rooms and General Purpose Lab together with Nisha. Next, she calculates the total cable length required for one of the conference rooms and ground floor. Lastly, she provides suggestion on how to divide the network of the building for better IP addressing.

Nisha is the financial manager in the project. She makes sure that we do not exceed our budget while purchasing the necessary network devices in Task 3. In Task 1, she cooperates with Diviya to design the floor plan of the ground floor effectively. After that, she contributes five questions in Task 2 and answers the selected two questions. Next, she identifies the quantity and specifications of devices required in the video conference room and General Purpose Lab in Task 3. Other than that, she plans for the arrangement of devices and cabling of one video conference room. Lastly, she provides suggestion on how to divide the network of the building for better IP addressing.

Wei Hsien is the facility manager and she has worked well with me throughout the project. In Task 1, we are responsible for designing the floor plan of the first floor together. She has corrected my mistakes in the drawing of the floor plan and proceeded with labelling the scale. Next, she provides seven questions to be answered in Task 2 with us and two of them are selected. In addition, she determines the technical and operational feasibilities for our project. Thirdly, she is in charge of researching the network devices for the three labs with me. In the middle of the surveying, we discuss with each other about the specifications and prices of the devices that we have found to determine the most appropriate and practical device for our labs. Furthermore, she performs the comparison between certain devices such as routers and switches of different brands. Later in Task 4, she does the cabling for two of the labs: Network and Computer Security lab. Last but not least, she provides ideas on how to divide the network of the building for more efficient IP addressing.

3. Explain how you work as a group.

I take the initiatives to ask for meeting to discuss about the tasks given. Before each meeting, I go through the description of the task to understand the requirements and deliverables. In addition, I try my best to provide suggestions and ideas during the meeting. When I have uncertainty while doing my part, I ask my fellow group mates for opinions in the group chat. Sometimes, I apologize to them for the mistakes that I have made. Lastly, I submit my subtasks in charge on time to facilitate the work of compilation.

4. Explain what you have learned from working as a group.

Good teamwork will move the project forward easily. We discuss and assign the tasks properly to distribute the burden evenly so that everyone contributes to the project without feeling stressful at a specific point in time. Other than that, effective communication is essential among group members to fulfill the project's requirements and objectives. In the middle of discussion, we tolerate different opinions and try to work out a compromise.

5. Explain what you have learned from doing the project.

It is interesting to complete the project from the beginning till the end. We are given several tasks to be accomplished orderly rather than finishing all the things in a certain duration. Each task has its own purpose in building the network system. First and foremost, I have to be practical when it comes to drawing a floor plan. The scale and measurements should not be too big. Next, I need to think comprehensively about the current and future requirements based on the case study. It is to ensure that we are able to fulfill the client's needs without much problems. Last but certainly not the least, I find it is important to utilize this project to test our classroom knowledge. It is great that we are capable of transforming our classroom knowledge into solutions when carrying out the tasks.

6. Your comments and suggestions on the project.

In my opinion, I think this project is a very good opportunity for us to explore beyond the syllabus apart from applying the classroom knowledge. Although it is time-consuming to do research and effective communication among group mates, it is worth it for the investment of time because we have got the chance to improve ourselves in terms of both hard and soft skills.

A little suggestion is that I hope the feedback on our submitted tasks could be given in a timely manner so that we could have ample time to improve our mistakes or enhance our deliverables. Other than that, everything is fine.