



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SECR1213 - 04

NETWORK COMMUNICATIONS

GROUP 05

TASK 6B

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Students who take the Network Communication course have an opportunity to learn about the collection of rules and standards referred to as protocols that allow application programs to communicate with each other despite the hardware or operating system on which they were running. Network communication enables applications to interact separately with their physical network connections. I learned a variety of things about the subjects covered as well as the project-related abilities through this course.

For each task of the project, I have contributed my effort to make the tasks done properly. For task 1, we are starting with the floor plan design. I am taking the part for design the floor plan for the student lounge. Next in task 2, I am taking part for generate 4 questions and getting suitable answers for the questions. In task 3, I am one of the members listing down the list of devices that will be used in the building. For task 4, I am playing the role to identify cable lengths and connections, patch cord and switch port overall. For task 5, I am doing the part for dividing the subnetwork for the network lab. For task 6, I am doing the part of compiling the solution of the tasks and completing the reflection for tasks 1,2 and 3.

All members have done their part in designing the floor plan for the video conferencing room, general purpose lab, IOT lab and network lab in task 1. For task 2, they

completed the part of the feasibility study and the remaining questions with suitable answers. For task 3, all of us have completed the list of devices. For task 4, they have done their part in identifying the number of connections, patch cords and switch ports for the IOT room, labs, and video conferencing rooms. For task 5, all of us have completed our part for dividing the subnetwork for the IOT lab, video conferencing room, 2 general purpose labs and network lab. For task 6, they have done the part of the abstract, introduction, project background, reflection for tasks 4 and 5, conclusion and the team members and responsibilities.

When we worked as a team, we were having a lot of meetings and discussions to complete all the tasks for completing this project. Everyone agreed with the points elaborated on in each task because we were able to resolve each of them. They successfully give their efforts to the tasks they are allocated by the team members and their duties, and they can commit to each work even when there are unexpected issues while still trying to keep track of the outcome's development.

As a result, working in a group taught me a lot. Even though I didn't enjoy working in a group, I was able to put forth my best effort throughout the assignment because the other members are all friendly. I also learnt how to process and respect different viewpoints. We should first understand it, even when it can conflict with our position. Perhaps they had better ideas than we did. Second, I developed a respect for the time and availability of others. Since everyone had other tasks to complete, they weren't always free to talk about the project. Finally, I discovered that teamwork was better than individual effort. The secret to creating excessive results was the combination of creative concepts.

Regarding the project itself, it taught me the procedures to follow while developing a network design that will be put in a newly built building. Floor planning started first, and IP addressing went last. All connections must be considered in the context of their cabling, location, power source, and many other variables. This project also provided the overall development of making new buildings.

In conclusion, I hoped that this kind of project can be continued for other students in the upcoming semester it implies several crucial connections between specific architectural components, such as floor planning. When students work on the project, the deliverables do a very good job of developing kids with excellent minds and creative ideas.