



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

FACULTY OF COMPUTING
UTM Johor Bahru

NETWORK COMMUNICATIONS

(SECR 1213)

PROJECT

TASK 6B: INDIVIDUAL REPORT

GROUP NAME: LAB RATS

SUBMITTED TO:

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PREPARED BY:

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For project Network Communications we have been assigned to a group of 4 people. Our group, Lab Rats consists of 4 people, Loke Rui Kee, Malleylene Peneh, Lim Jie Han and myself. Since our first year was conducted entirely online, this semester is where we met each other and did our group project physically. Our Network Communications project consists of 6 tasks which are project setup, preliminary analysis, choosing the appropriate LAN devices, making the connections of LAN and WAN, IP addressing and documentation of the entire project.

For task 1, we were required to choose a name for our group. So, we came up with the name Lab Rats. We also need to create our own building layout. Since our building has 2 levels, Lim Jie Han and myself design the layout for level 1 while Loke Rui Kee and Malleylene design the layout for level 2. We had discussions with our groupmates to ensure the logicness of the design. Then, I volunteered to do the meeting minutes for task 1.

Secondly for task 2, we were required to do a preliminary analysis, especially on current and future requirements and devices to be used. We need to create at least 10 questions and find answers for it by researching or interviewing the user. We were allocated the task by Lim Jie Han and myself to do the questions and answers while Loke Rui Kee and Malleylene do the feasibility of the project based on the questions and answers. Lim Jie Han and myself created 6 questions per person and found answers for it.

Thirdly for task 3, we need to choose the appropriate LAN devices for our project. All the team members did research about the devices and we conducted a meeting to list out the suitable ones. From here we proceed to task 4 which was led by me. For task 4 we need to make the LAN and WAN connections. The devices we choose during task 3 must be interconnected. For task 4, we distributed the task as for level 1 Lim Jie Han and myself did the physical connections and the physical connections for level 2 were completed by Loke Rui Kee and Malleylene.

Next, task 5 was about IP addressing. We must make sure that every host can connect to the network without conflict of address. First we chose the IP address which is 192.21.0.0/8. For task 5 all the team members did the task together and completed it. The last task was to document all our work. So, for this task all the members contributed by doing the reflections for each task and combined it as a complete report.

Teamwork plays an important role in order to complete all the tasks. We as a team make sure that all the members are clear about the task assigned and help each other if we don't understand. We always had discussions to complete our task so that the outcome would be as expected. I learned that communication is the key for every task that we do. Some miscommunications will result in the task output to be different from the requirement. All the tasks were completed with the strength of each member in our team.

From this project, I learned about the functions of each device used in the network and how they were connected in order to function well. This project made us understand the concepts in this Network Communication course. I would like to suggest that we could interview the user such as our lecturer for more realistic ideas. This project allows us to get to know more details on networks. I hope this project benefits other members too.