



UTM

UNIVERSITI TEKNOLOGI MALAYSIA

SECR1213-01
NETWORK COMMUNICATIONS
2022/2023 – SEMESTER 1 PROJECT (TASK 6B)

Network Design for Faculty of Computing Block N28B
by Pink Venom

Submitted to:
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My Contributions	Team members' Contributions
<p>Task 1: I have learned how to design floor planning. Together with my group mates, we also discovered a web application that allows us to do basic floor planning. Which is the www. Floorplaner.com. I feel like although at the beginning we were confused on how to use the tools and elements inside it, we took the initiative to watch a tutorial on youtube & managed to complete the floor planning.</p> <p>Task 2: I have to analyze & assess the project feasibility by asserting its feasibility. I managed to learn the specifications of individual pieces of technology, such as the AMD CPU, a suitable processor for Windows and Mac users.</p>	<p><u>AFIOAH IZZATI BITIAZZEROL EFFENDI</u></p> <p>Task 1: Designing the 2nd floor plan Task 2: Creating minute meeting and generate questions and answers lists Task 3: Choosing the appropriate LAN devices based on given budget and making reflections Task 4: Determine and completing the network devices arrangement for each room in each floor Task 5: Creating the work area diagram for each room in each floor and making connection between the PCs Task 6: In charge of the compilation of tasks, abstract, reflection on task 1 and completing the references</p>
<p>Task 3: I was given a task to choose the appropriate LAN devices for the 1st floor area & making reflections. I've learned that in general, the price of a device will vary depending on its features and capabilities. There are many brands, type of devices that serve the same purpose but I should know which devices to choose based on the capabilities of it to perform in our own design network architecture. I should also choose based on the planned budget.</p> <p>Task 4: I need to identify the work area for both floor 1 & 2 in order to complete the overall network devices arrangement & creating the minute meeting. I learned to design and construct the WAN-LAN link for the network of our two-story structure. I have to take into account every factor necessary to make the connection connected and operated</p>	<p><u>NUR AISYAH FATIHAH BINTI MOHAMED ROZI</u></p> <p>Task 1: Designing first floor plan Task 2: Analyze & assess the project feasibility by asserting its feasibility Task 3: Choosing the appropriate devices such as firewall and desktop for the building & making comparison and differences between devices Task 4: Making the connection for the work area for both floor 1 & 2 in order to make devices that can communicate with each other. Task 5: Assigning subnet, network and broadcast address for each work area and creating minute meetings. Task 6: Making project background and reflection of task 3 and completing the appendices and creating minute meetings.</p>

efficiently for each work area that me & my groupmates designed.	
Task 5: Im responsible for assigning IP address for each end device. I need to refer to chapter 5&6 in order to find the appropriate IP address for end devices. It took a lot of analysis to allocate which devices should use which IP address but I eventually got the grasp of it.	<p><u>NOOR HANNANI SYAMIMI BINTI MOHD SUFFIAN</u></p> <p>Task 1: Designing second floor plan</p> <p>Task 2: Analyze & assess the project feasibility by asserting its feasibility</p> <p>Task 3:Choosing the appropriate devices such as firewall and desktop for the building & making comparison and differences between devices</p> <p>Task 4: Analyzing the cable strength in identified work areas</p> <p>Task 5:Assigning subnet , network and broadcast address for each work area and creating minute meetings.</p> <p>Task 6:Making Reflection for Task 5, extra info for client,conclusion and table of figures.</p>
Task 6: I choose to make the Introduction, Reflection on Task4 & the team member responsibilities. I need to make sure our final report is complete and double check each combined task before submitting.	

<p>How I work as a group,what I have learn working as a group & doing project :</p>	<p>When in a group doing tasks, mostly I would lead the meetings & make sure everyone gets their equal workload of task delegation. Before the meeting starts, I will discuss with groupmates about which time is suitable to conduct the meetings & provide meeting links whenever we conduct online meetings. Previously, we also gathered together at our college arcade to complete our Task 1 floor planning. It feels comfortable & more efficient working as a group,gathering at one place instead of doing tasks individually without other group members' presence of supervision.</p> <p>Working in a team has taught me to be sure that tasks are completed on time and in full, so as not to hinder the work of other team members. Additionally, it's crucial to make sure that no group member feels excluded while the tasks are being done. My group mates were always there to help me out and explain any issues I was having difficulties understanding.</p>
<p>Comments & suggestions on project :</p>	<p>This project has taught me to apply & interrelate what I learned in class. I'm able to envision how I can apply my existing knowledge for future project reference. But here is some suggestion that I would like to provide : make a site visit or short trip to real life networking architecture facilities that are available out there. I reckon that maybe students can get more in-depth information regarding networking design in the real world field after experiencing the site visit & can apply our findings onto our project.</p>

Video Reflection

<https://youtu.be/WDmiPMInnyM>