SECR1213 NETWORK COMMUNICATIONS
SECTION 08
20242025/1

TASK 6B & 6C : INDIVIDUAL REPORT & VIDEO

LECTURER'S NAME: DR. MUHAMMAD ZAFRAN BIN MUHAMMAD ZALY SHAH

GROUP NAME: 4G

NAME	MATRIC NO.
ANISA CHOWDHURY	A23CS0288

GROUP MEMBERS

NAME	MATRIC NO.
FARAH NABILA BINTI WAN ISMAIL	A23CS0077
LIM CHEN XI	A23CS0103
CHANG WEN XUEN	A23CS5012

1. My Contribution

> **ANISA CHOWDHURY**
>
> • Task 1: Floor plan (embedded lab, hybrid classroom)
> • Task 2: 3 Questions & economic feasibility
> • Task 3: Explanation and List for Network Cables & Network Cable Connector
> • Task 4:Floor plan and workspace for ground floor
> • Task 5: Subnet Mask
> • Task 6: Project Background and overview of client's current status and issue

2. Team Member's Contribution

> **FARAH NABILA BINTI WAN ISMAIL**
>
> • Task 1: Floor plan (video conferencing, student lounge, cafeteria, meeting room)
> • Task 2: 3 Questions & technical feasibility
> • Task 3: Explanation and List for Router, 2 reflections
> • Task 4:Floor plan and workspace for the first floor
> • Task 5:Range of IP address, Network and Broadcast address for the subnet
> • Task 6: Abstract, Introduction, References

> **LIM CHEN XI**
>
> • Task 1:Floor Plan (general purpose lab, cisco network lab)
> • Task 2: 3 Questions
> • Task 3: Explanation and List for Modem & Switch, one reflection
> • Task 4: Network Diagram
> • Task 5: Range of IP address for user types based on the area
> • Task 6: Conclusion, compile meeting minutes
> • Completed all meeting minutes

> **CHANG WEN XUEN**
>
> • Task 1: Floor plan (ground floor, first floor, server room)
> • Task 2: 3 Questions & legal feasibility
> • Task 3: Explanation and List for Wireless Access Point, expected cost, one reflection
> • Task 4: Cable lengths, Identifying the cable length & type
> • Task 5:Range of IP address for user types based on the area
> • Task 6: Compile tasks, Task distribution, financial budget report

3. How I Worked As A Group

As a group, I and my group members began each task by arranging a meeting on google meet where task objectives used to be discussed, tasks were divided and assigned to each member based on individual interest and expertise and Lim used to take the meeting minutes. We stayed connected with each other through a whatsapp group ensuring everyone could share updates, discuss problems, ask questions, and provide feedback instantly. All of us tried to give our personal best to complete the tasks we were assigned with. All of us showed good responsibility in completing tasks minimum 1-2 days before the deadline.

4. Learnings From Working As A Group

Working as a group taught me the value of teamwork and importance of effective communication. It enhanced my communication and collaboration skills, allowed me to get exposure to diverse perspectives as each member has different backgrounds and thought processes.We always tried to maintain a friendly supportive environment where everyone felt valued and respected and this led us to a successful collaboration. This group work experience also taught me to handle conflicting views, make decisions as a part of a group, and work together toward a common goal.

5. Learning from Doing the Project

This project gave me hands-on experience in designing a comprehensive network plan. It deepened my understanding of theoretical concepts I learned throughout this course like subnetting, IP addressing, and selecting suitable network devices. I learned to use the tool smartdraw for designing the floorplans, I have also gained valuable skills in researching and comparing technical specifications of hardware, as well as budgeting effectively. Additionally, the project enhanced my critical thinking and problem-solving abilities.

6. Comments and Suggestions

Overall, this project was a highly educational and insightful experience. It provided me with the opportunity to apply theoretical knowledge in a practical context. One of the most positive aspects of this NetCom project was how it simulated real-world scenarios, such as budgeting and resource selection, which made the experience both practical and relevant. For future improvements, I suggest incorporating even more opportunities for hands-on learning, such as troubleshooting components that would allow us to anticipate and solve real-world issues during network implementation.

7. 2-Minute Video Link: [Video link](#)