**Group name: ZBLSpider (SECR1213-09)
Name: NG JING ER A19EC0115**

**REFLECTION**

All members have equally contribution as we distribute the work for every task equally. But some of us may help others to do their part when any of us faced problems. My responsible is contribute 2nd floor plan (task 1), provide suggestion for question list and find answers (task 2), research on router (task 3), connection for work area for 2nd floor & network devices arrangement (task 4) and IP assignation (task 5).

GOH JO EY contribute 1st floor plan (task 1), provide suggestion for question list and find answers and determine the feasibility of the project (task 2), research on switch &wireless access point (task 3), connection for work area for 1st floor & network devices arrangement (task 4) and subnetting (task 5).

CHIAM WOOI CHIN contributes for 1st floor plan (task 1), provide suggestion for question list and find answers (task 2), research on server, generator (task 3), connection for work area for 1st floor &vertical cabling (task 4) and subnetting (task 5).

ONG YIN REN contribute 2nd floor plan (task 1), provide suggestion for question list and find answers (task 2), research on patch panel and cable (task 3), connection for work area for 2nd floor & calculation for cable length (task 4) and IP assignation (task 5).

Since all the members of our group are friends and we know each other very much, we have a good cooperation throughout the project. Although I am quite weak in this subject, but I am always trying my to do my part. I am willing and able to do the task assigned. Due to the learning method has changed to online-learning, some of us including me may feel frustrate while having problem on doing this project. So, I would also be willing to lend a helping hand to other team members when needed so that we can complete the project successfully. I would be glad to involve in the discussions about issues or problems related with the project and help to come out an effective resolution.

Throughout the process of working as a group, I have learnt that communication is the most important thing to get a group work to be done. Every member must have different view of opinion. Without a good communication among the members, it usually takes more time to resolve a problem or even worse the project cannot be done. That is why conflict may occur among members without good communication. Besides, we can also exchange opinions and perspective among group members. If we can resolve the conflict well, we can assume it as good chance to learn from others unique and different ideas and opinions regarding the issue discussed.

From doing the project, I have learnt to apply the knowledge gain from this course into our project on how to build a network. Based on the project, I understand that the actual process of designing a small network for an organization. I have learnt that what should be done for planning and designing a network infrastructure for current and future needs. Throughout the project, we did a lot of research on the network devices including the router, switch, patch panel, wireless devices and cables. And we have also done research on the availability, usability, cost and services of the network devices. This helps us to have a more understanding on network infrastructure that are appropriate for an organization.

I am glad that the project can be done on time with all the task completed. However, there’s still a little improvement can be done such as the vertical and horizontal cabling floorplan can be shown in the 3D form for a better vision and understanding on the cabling structure. And some of the measurement may not accurate as some of the stuff didn’t measure accurately according standard measurement such as the workstation, the tables and chairs and so on.