FACULTY OF COMPUTING

SEMESTER I, SESION 2024/2025

BACHELOR OF COMPUTER SCIENCE (BIOINFORMATICS)

SECR1213 NETWORK COMMUNICATIONS - SECTION 01

PROJECT TASK 1 - PROJECT SETUP

GROUP NAME: DATA VOYAGERS

GROUP MEMBERS	MATRIC NO
CHIN PEI WEN	A23CS0065
KOO XUAN	A23CS0300
LING YU QIAN	A23CS0301
TAN ZHAO HONG	A23CS0188

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

SUBMISSION DATE : 19 OCTOBER 2024
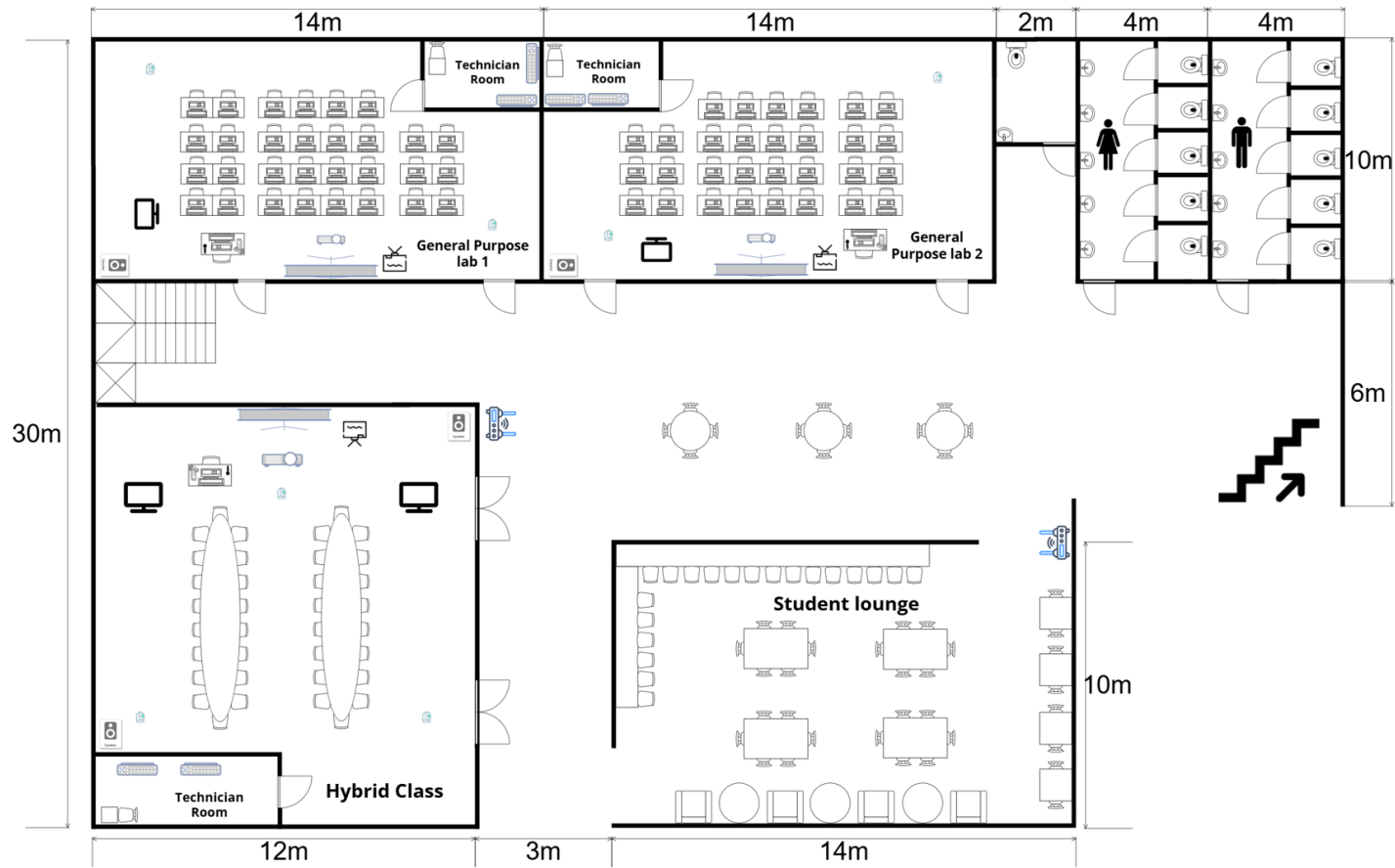
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Brief Explanation for The Task

The task involves forming a project team for a university initiative where the Faculty of Computing (FC) aims to construct a new two-story building to accommodate its expanding student and staff population. Our team comprises four members: Chin Pei Wen, Koo Xuan, Ling Yu Qian, and Tan Zhao Hong.
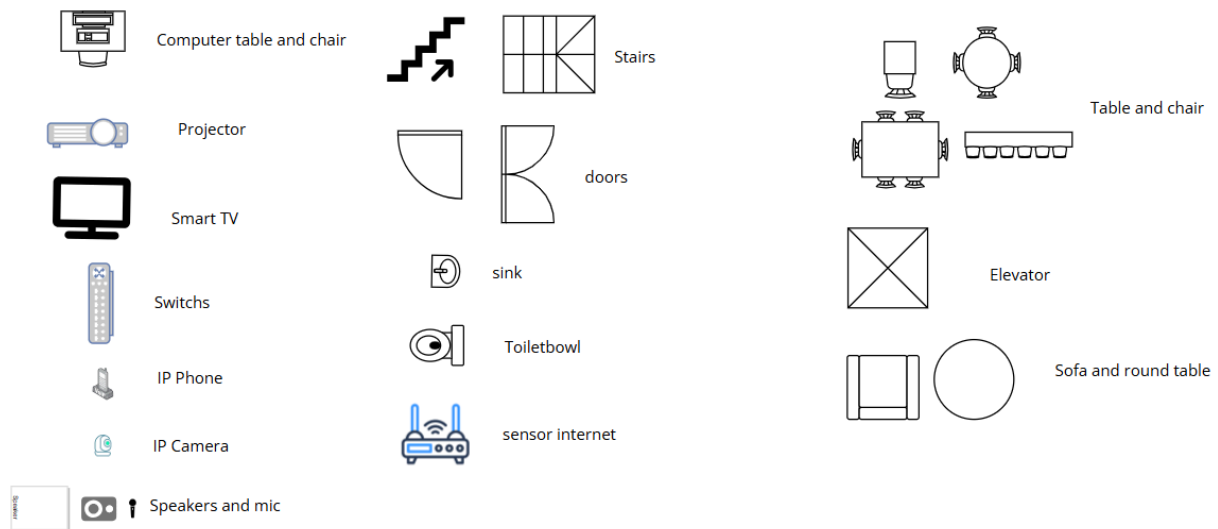
The team's primary goal is to thoroughly analyze the case study and fully comprehend the requirements for the new building, which includes specialized spaces such as laboratories, a video conferencing room, and a student lounge with particular specifications. A central component of the project is to design a building layout that meets these requirements and produce a scaled floor plan using appropriate design software. The design must account for specific lab sizes, networking infrastructure, and future expansion while ensuring functionality and cost-effectiveness. This project encompasses planning and developing an infrastructure that supports the faculty's growth objectives and technological needs, with a focus on efficiency and security. The team's ability to collaborate effectively and deliver a high-quality design will be critical to the project's success and the final evaluation.

Suggested Floor Plan
Ground Floor

Indicators

Computer table and chair	Stairs	Table and chair
Projector	doors	
Smart TV	sink	Elevator
Switchs	Toiletbowl	Sofa and round table
IP Phone	sensor internet	
IP Camera		
Speakers and mic		

First Floor

Indicators

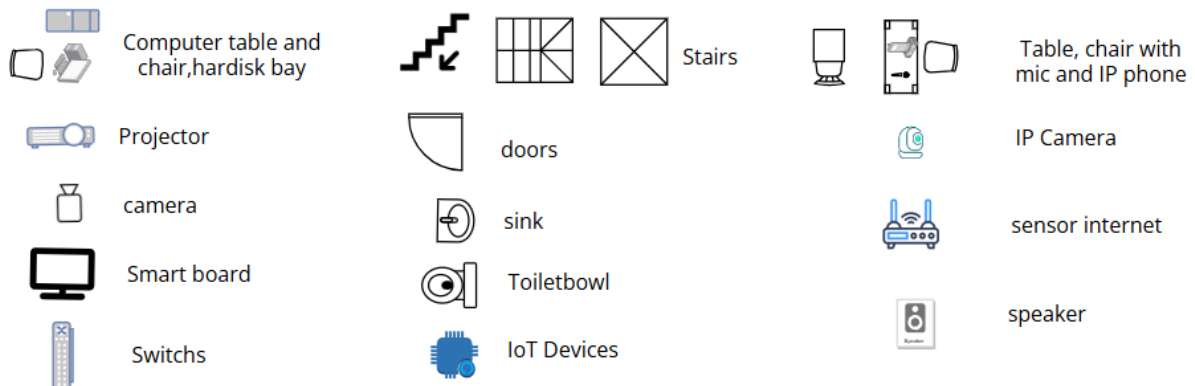|	
Computer table and chair, hardisk bay	Stairs
Projector	doors
camera	sink
Smart board	Toiletbowl
Switchs	IoT Devices
Table, chair with mic and IP phone	
IP Camera	
sensor internet	
speaker	
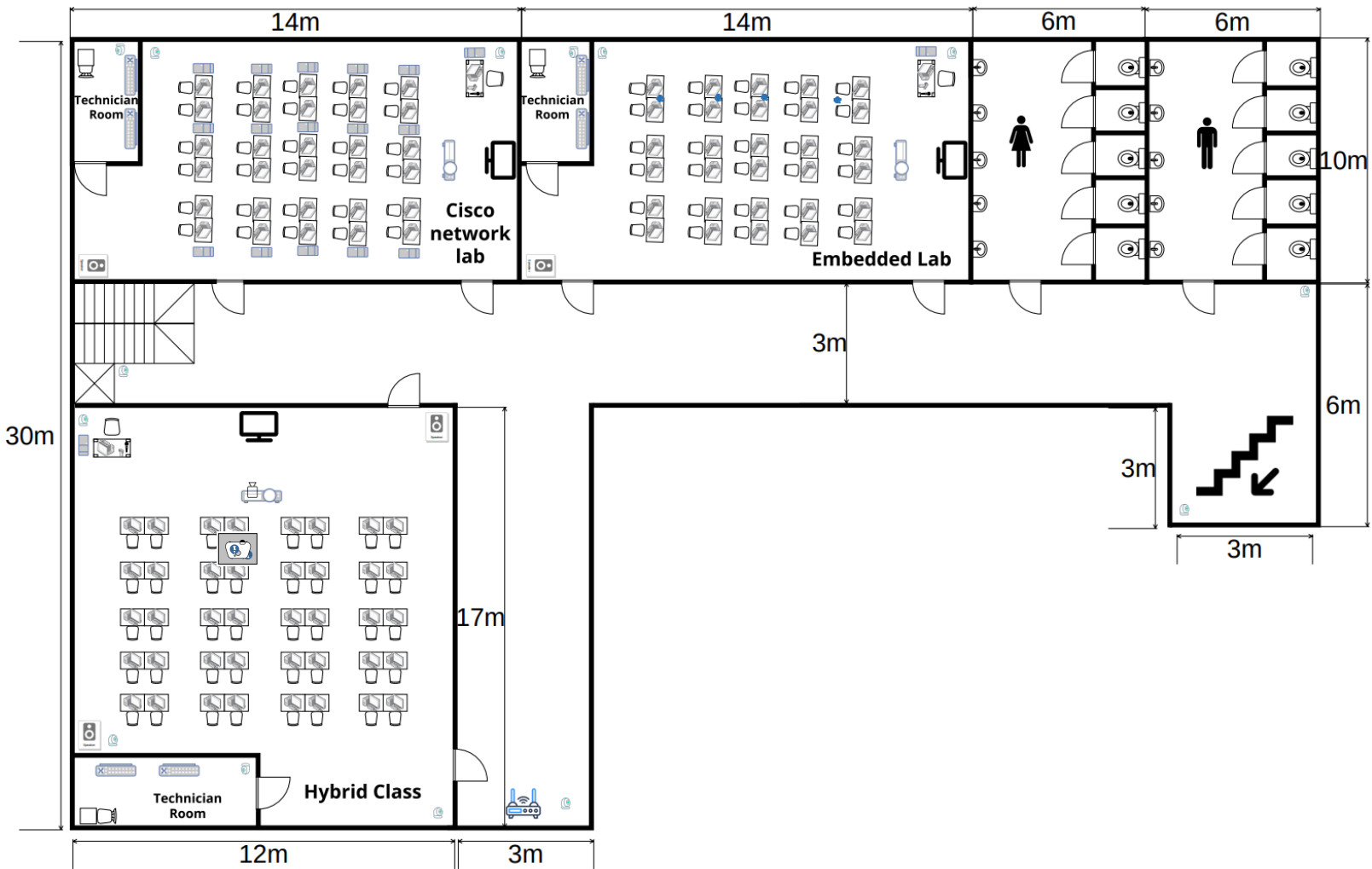
Brief Explanation for The Layout

The ground floor of this building is designed to balance both academic and social needs, featuring two general purpose labs, a video conferencing room, a student lounge and toilet facilities. Both the general labs and the video conferencing room are well-equipped with IP cameras and IP phones, allowing for enhanced monitoring and efficient communication. Besides, each of these labs and rooms includes a technician room to enable immediate troubleshooting of any technical issues. The student lounge is conveniently situated near the main entrance and equipped with Internet access points, making this floor an ideal hub for academic and practical activities. The toilet facilities are located near the general labs, with male accessible toilets on the left and female accessible toilets on the right and also the OKU toilet. A seating area with tables and chairs at the front of the labs provides a place for relaxation and the internet access point is also provided at this area. There is also an elevator and the stairs at the back end of the corridor. There is another stair, along with the main entrance at the front to ensure accessibility.

The first floor of this building is designed to support specialized technical learning, featuring a Cisco Network lab, an Embedded lab, a hybrid classroom and toilet facilities. Each lab and the hybrid classroom is equipped with IP cameras and IP phones, enhancing communication and security within the learning environment. Technician rooms are also available in each of these areas, providing on-demand technical support for equipment setup and troubleshooting. This floor also includes separate male and female toilets as well as accessible facilities at the back end of the building. Internet access points are located at the corridor's front end, allowing convenient connectivity for students and staff. Accessibility is ensured with an elevator at the back end and stairs at the front end, creating a well-rounded and accommodating environment for various university activities.

Meeting Minutes #1

DATE/TIME	15 Oct 2024 7:30 pm
LOCATION	Physical
AGENDA	1. Discuss the question on Task 1
	2. Way to arrange the floor plan
	3. Tools for designing the floor plan
	4. Task distribution for each person
MEETING MC	CHIN PEI WEN

ATTENDANCE		
NAME	**TIME**	**REASON FOR ABSENCE**
CHIN PEI WEN	1930	-
KOO XUAN	1930	-
LING YU QIAN	1930	-
TAN ZHAO HONG	1930	-

Minutes			
No.	**Item Discussed**	**Details**	**Person-In-Charge**
1	Find name	Slide showed the question and rubric given on Task 1	All members
		Suggested our group name as "Data Voyager"	
2	Software to use	After discussion, we decided to use SmartDraw	All members
3	Floor plan	We draw the initial draft of the floor plan design on the paper.	All members
		We discussed potential layouts and shapes for each floor of the building.	
		A suggestion was made to connect rooms requiring internet, which was agreed upon by all members as a cost-saving measure.	
		Suggested connecting the rooms that require the internet together.	

		All members agreed to the suggested plan to reduce the cost.	All members
		Suggested adding toilets at both floors and suggested adding accessible toilets.	
		Suggested adding an office and meeting room as well as putting all 4 labs on the ground floor as an office and meeting room, usually on the first floor.	
		Suggested adding a lift and making the area more spacious to facilitate accessible people.	
		Mentioned the size of each lab and student lounge that has been given.	
		Suggested a hybrid classroom that has the same size with each lab and student lounge.	
		Suggested the size of toilets.	
4	Next meeting	17 Oct 2024 - Floor plan (ground floor & first floor) - Floor plan (Cisco Network Lab & Embedded Lab) - Floor plan (Video Conferencing Room & Hybrid Classroom) - Floor plan (2 General Purpose Lab) - Floor plan (Student Lounge)	All members
5	Meeting ended	2230	All members

Meeting Minutes #2

DATE/TIME	17 Oct 2024 9:30 am
LOCATION	Physical
AGENDA	Task 1 (Project Final Checking Before Submission)
MEETING MC	KOO XUAN

ATTENDANCE		
NAME	**TIME**	**REASON OF ABSENCE**
CHIN PEI WEN	0930	-
KOO XUAN	0930	-
LING YU QIAN	0930	-
TAN ZHAO HONG	0930	-

Minutes			
NO.	**ITEM DISCUSSED**	**IDEAS / SUGGESTIONS AND PERSON GIVING IT**	**PERSON IN CHARGE & DATE**
1.	Brief sharing session about each part		All Members
2.	Update Floor Plan Design	Provides final version of floor plan design before submission.	All members
		Design and edit each room and floor.	
		Unified size of appliances.	
		Combination of each lab and room on the ground and first floor.	
		Beautify the final floor plan design for the first floor and second floor.	
3.	Meeting ended	1300	-

Meeting Minutes #3

DATE/TIME	25 Oct 2024 9:30 am
LOCATION	Physical
AGENDA	Task 1 (Correction)
MEETING MC	LING YU QIAN

ATTENDANCE		
NAME	**TIME**	**REASON OF ABSENCE**
CHIN PEI WEN	0930	-
KOO XUAN	0930	-
LING YU QIAN	0930	-
TAN ZHAO HONG	0930	-

Minutes			
NO.	**ITEM DISCUSSED**	**IDEAS / SUGGESTIONS AND PERSON GIVING IT**	**PERSON IN CHARGE & DATE**
1.	Summarize correction for each part based on the comment given		All Members
2.	Modify floor plan design	Edit measuring fonts for each room and floor.	All members
		Add IP phone and IP cameras	
		Add other suitable devices such as smartboard, mic and speaker	
		Make sure the label looks clear and readable	
		Combination of each lab and room on the ground and first floor.	
		Beautify the final floor plan	

		design for the first floor and second floor.	
3.	Meeting ended	1300	-