WEEK 1 & WEEK 2

ACTIVITIES	START	END	COST (RM)	14/9/2022	15/9/2022	16/9/2022	17/9/2022	18/9/2022	19/9/2022	20/9/2022	21/9/2022	22/9/2022	23/9/2022	24/9/2022	25/9/2022	26/9/2022	27/9/2022
PROJECT PROPOSAL																	
Introduction	14/9/2022	15/9/2022		2 DAYS													
Make a project statement	16/9/2022	17/9/2022				2 DAYS											
Identify Objective	18/9/2022	19/9/2022						2 DAYS									
Create a Gantt Chart	14/9/2022	10/11/2022		7 DAYS							7 DAYS						
PROJECT COSTING																	
Iot Devices	20/9/2022	21/9/2022	39.3								2 DAYS						
Iot Network Devices	22/9/2022	23/9/2022	22.9									2 DAYS					
Iot Application	24/9/2022	25/9/2022	68.9											2 DAYS			
Tangible	26/9/2022	27/9/2022	10.14													2 DAYS	
IoT SYSTEM METHODOLOGY																	
10 steps of system methodology	28/9/2022	4/10/2022															
IoT SYSTEM DESIGN USING ARDUINO IDE																	
system coding and testing	5/10/2022	10/10/2022															
PROTOTYPE FOR IOT PROJECT																	
IoT Devices	11/10/2022	14/10/2022															
Iot Network Devices	15/10/2022	18/10/2022															
Iot Simulation Model	19/10/2022	22/10/2022															
Iot Platform	23/10/2022	25/10/2022															
Iot Application	26/10/2022	29/10/2022															
REPORT																	
IoT System Operation	30/10/2022	1/11/2022															
Coding	2/11/2022	3/11/2022															
User Manual	4/11/2022	6/11/2022															
PRESENTATION																	
Prepare a Video Presentation	7/11/2022	10/11/2022															

WEEK 3, WEEK 4 & WEEK 5

28/9/2022	29/9/2022	30/9/2022	1/10/2022	2/10/2022	3/10/2022	4/10/2022	5/10/2022	6/10/2022	7/10/2022	8/10/2022	9/10/2022	10/10/2022	11/10/2022	12/10/2022	13/10/2022	14/10/2022	15/10/2022	16/10/2022	17/10/2022	18/10/2022
7 DAYS							7 DAYS							7 DAYS						
7 DAYS																				
							6 DAYS													
														4 DAYS						
																	4 DAYS			

	WEEK 6							WEEK 7							WEEK 8							WEEK 9	
19/10/2022	20/10/2022	21/10/2022	22/10/2022	23/10/2022	24/10/2022	25/10/2022	26/10/2022	27/10/2022	28/10/2022	29/10/2022	30/10/2022	31/10/2022	1/11/2022	2/11/2022	3/11/2022	4/11/2022	5/11/2022	6/11/2022	7/11/2022	8/11/2022	9/11/2022	10/11/2022
7 DAYS							7 DAYS							7 DAYS							2 DAYS	
4 DAYS																						
				3 DAYS																		
							4 DAYS															
											3 DAYS											
														2 DAYS								
																3 DAYS						
																				4 DAYS		

Introduction (Project overview)

- ### Introduction

Nowadays, there is no way to predict where or when a crime will occur. In order to preserve security, increased security is required everywhere at Malaysia, including in schools. Utilizing a security system with a door alarm is one method.Door access system is a type of control access system which control the opening and closing of the door. It is a system that is implemented on a building to keep the people and assets in the building to be safe from outsiders. The system is usually used during the activity of people entering and exiting the building. The door access system helps to differentiate unauthorized and authorized people as the system only allows the authorized person to enter the building. Intruder is a person who intrudes, especially into a school vault with criminal intent. Node MCU V2 wifi module constantly checks the status of magnetic door sensor. If there is a change in door sensor the alarm gets activated and buzzer beeps. IoT based Door Security Alarm will also notify you through your smartphone using blynk app. In details, Magnetic Door sensor is used to detect the movement of the door and then Node MCU V2 is used to connect with internet and send data to blynk app. This also controls buzzer and Led's as per the code. If the door were to breach by force, the magnetic sensor will detect movement of intruders entering the room thus triggering the alarm and calling for security guard.

- ### Problem Statement

The majority of Malaysian schools do not adhere to the necessary security standards since the technology employed in them is not as modern as that in other wealthy countries. Due to insufficient security, certain buildings or facilities that store private items like exam papers are also at risk of being broken into. This security should be present in any structures or establishments that only certain people can access.