Subsection	A1
Project Name	Secure Home
Team Members	1905013, 1905014, 1905019, 1905024, 1905026
Motivation	• We want to create a safe and secure home. • Our system can help you protect your valuables from burglars and other types of theft. • The likeliness of a break-ins will decrease. • Increases property value to a potential buyer.
Description	We will create a home security system. The features are as follows- • There will be a keypad to enter the pin. If there are 3 successive unsuccessful attempts, an alarm will go off. • If one tries to enter the house without entering correct pin, the touch sensors on the handle will detect it. An alarm will go off and all windows will be closed. An alert will be sent to the owner's phone. The sensors will be disabled after entering the correct pattern. • There will be a safe room and a panic button inside the house. When panic button is pressed, the house door and all windows will be automatically closed, except for the safe room. The owner will hide inside the safe room and manually lock the door. • There will be another button inside the safe room. When it is deemed safe to come out, or let someone in from the outside, pressing the button will open the closed house door and the windows.
Computing unit	Arduino Uno

(handwritten annotation: ▷ How?)

Instruments (models and units haven't been decided yet)	Name	Model Number	Units
	Microcontroller	Arduino Uno	1
	Bluetooth Module		
	Motion sensor		
	Touch sensor		
	Keypad		
	Alarm		
	Buttons		
	Breadboard		

(handwritten annotations: why ← Motion sensor / Touch sensor)

(handwritten notes below table:)

SD card — (log).

GSM — SIM900

WIFI — ESP32
Arduino Nano.