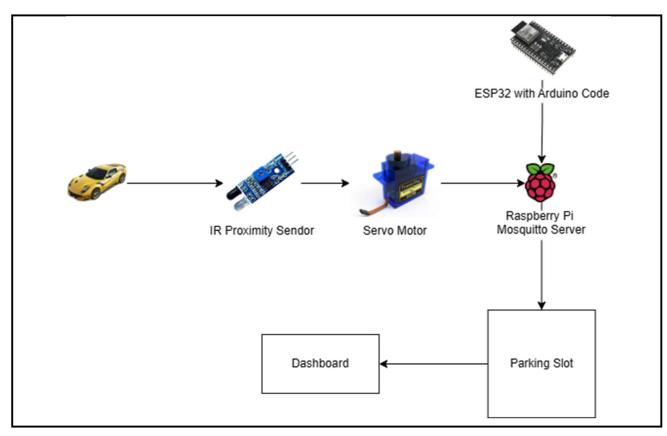
## **Project Form**

Project Name	s: Smart Parking System						
Member:	1. NameThang Sian		loih ID Student		124473		
	2. Name	Thang Sian K	hawm	_ ID Student _	124642		
	3. Name	Saw Kapaw S	ay	_ ID Student _	124090		
	4. Name			_ ID Student _			
Project Application Group							
	☐ Industry		☑ Community	/Small City	☐ Education		
	☐ Agriculture ☐ Home/Li			tyle			

## **Project Objective**

- Automate Parking: The system will automate the process of parking by detecting the presence of a
  vehicle and controlling the entry and exit gates.
- 2. Optimize Space Utilization: The system will optimize the utilization of parking spaces by keeping track of occupied and vacant spots.
- **3. Real-Time Monitoring:** The system will provide real-time monitoring of the parking lot, allowing for quick responses to any issues or emergencies.

## **Project Structure**



## **Hardware and Sensor List**

Name	Pric	Q't	Link						
	е	у							
IR	30	2	https://s.lazada.co.th/s.nYHW2						
Proximit									
у									
Sensor									
Servo	80	1	https://shopee.co.th/product/111213050/7239725201?gad_source=1&gclid=CjwKCAjwnv-						
Motor			vBhBdEiwABCYQA2ZeoNnMAgjXo5Eu8EVAF4eb2HzxLSGYXL286Qkr8DQmRi1qLVfsjRoCo_oQAvD_						
			BwE						
Remark: I	Remark: Budget for 1 person is not more than 1500 baht.								
oT Server									
Server/Cloud: Mosquitto Server using Rasp Pi									
Data Collector: Node-Red									
IoT Protocol: MQTT									
IoT Database:									
loT Application: Node-Red									
Application (3 <sup>rd</sup> Party)									
X	Line		☐ Gmail ☐ Used but not yet specified						
	Messe	nger	☐ SMS ☐ Don't use						
	Other								