

## Requirement acquisition 2

### ~~Update~~

#### 1. Update Input For accelerate system(ADC)

Change input from **button** to **potentiometer**.

But have same functionality.

Range for value(0:200)KM/H

#### 2. Update input for Brake assist system (ICU)

Change input from **potentiometer** to **Ultrasonic** .

But have same functionality .

#### 3. Update input for decision(DIO)

Remove all **button** and use **keypad**.

Make arrangement for all buttons as you want.

## New Features

#### 1. Speed limit system (DIO)

Need 3 buttons to work

- Speed limit increase value -> increase value by 5
- Speed limit decrease value -> decrease value by 5
- Speed On/Off

If car speed exceed speed limit make notify and make relay toggle

#### Note

Can increase or decrease value during system off

Work only in Driving state