ECU 1

- LCD
- Pot
- Keypad

ECU 2

- EEPROM (I2C)

The communication between ECU 1 and 2 with SPI

Requirements :

1. LCD
   a. Main (Current Speed & Current Gear)
   b. Speed Limit (ON / Off)
   c. Set Speed Limit
2. Pot
   a. Speed Control (0 - 250)
3. Keypad
   a. Gear Control (P – R – N - D)

The speed changed only in D and R

When I turn on speed limit , ECU2 read the limit speed form EEPROM and send it to ECU1 using SPI

The speed limit only work in D , and the maximum speed in R is 30 KM/H