RASPBERRY PI BASED CRUISE CONTROL MECHANISM IN TRAFFIC SITUATION

This paper deals with the design of new cruise control systems that can help in safe maneuver in traffic condition. It consists of two raspberry pi, accelerometer, ultrasonic sensor. It consists of RPM meter to gauge the recurrence of revolution of vehicle's wheel and GSM modem to send a message. Using theTCP/IP Protocol we are transmitting data from one Arduino to another. The values of the sensors should be less than the threshold value, if it raises above the threshold then the PWM pulse that is generated by the master will automatically slow down the speed of the DC motor of the vehicle, this can be graphically shown on the monitor/display. The values of the sensors are displayed on the LCD.

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