REQUIREMENTS

1. Introduction

Wiper Control System is a project that play a key role during adverse weather conditions by wiping the rain continuously over the windshield area and provides a clear vision to the driver.

This project is implemented in C. C is a platform independent language. Its created project can be used on a standalone machine.

2. Objectives

The Objective of this project is to design an electronic circuit that serves to clean the windshield of the car at the front and rear. The wipers are connected to a motor. The motor is operated from a switch inside the car. When the wiper is switched ON, the wiper rotates in standard speed. When the switch is set in speed high position, it rotates faster. When the switch returns back to the original position, the wipers go back to its original position (OFF position) and stop.

3. 4Ws and 1H

WHO

This wiper control system can be used in any vehicles in which wiper system is operating.

WHAT

It is a wiper control system that is used to operate and control the wipers.

WHY

This system can be used when the weather conditions prevent clear view of anything in front of the vehicle when driving.

WHERE

It can be used anywhere like roads in cities, deserts, etc.

HOW

Firstly we press the switch to operate the wiper. Then the switch positions are changes to vary the wiper speeds.

HIGH LEVEL REQUIREMENTS

1. First is vehicle Switched ON. #Implementd
2. Wiper switched ON. #Implementd
3. Wiper switched OFF. #Implementd
4. vehicle turned OFF. #Implementd

LOW LEVEL REQUIREMENTS

1. Wiper is replaced by LED.
2. We have used 4 LEDs.
3. We have used only 1 switch.
4. We have used 1 timer.