

## **Abstarct:**

- Vehicle windshield wipers play a important role during extreme weather conditions by wiping the rain water, dust, fog, mist continuously over the course of time and they help us give a clear vision to the driver. Wipers are designed and made to clear the unwanted dust, water etc.
- from a windscreen. It is Prime duty to improve the safety facilities in all automobiles and vehicles. The system is used to activate the Wipers manually. Due to this issue many engineers and designers and developers have contributed to the research and developement of Automatic Windshield Wiper Functionality in automobiles.
- A wiper is a necessary component that cleans raindrops or any other liquid off the vehicle's windscreen.
- The prior system required manual wiper activation,by changing the frequency As its results the operation of bringing up the wiper speed is varied . The project's goals are to improve ageing cars' systems by giving automated transmission.
- wiping system, to improve the system by incorporating a sensor and actuator, and to create a simple software that would completely operate with the system.
- the framework This proposed wiper system's principle is comparable to those of other existing conventional wipers. Despite the fact that. This system will be upgraded to an automatic control system using a Peripheral Interface to remove water from the windscreen.
- The Windshield Wiper Functionality of domestic cars primarily consists of three systems,
  - A. Two wipers and theis respecive arms
  - B. A mechanism
  - C. An electronic Motor
- The concept of this proposed wiper system is similar to that of all the other exesting wiper systems. A wiper normally consists of metal arm, one end pivots and the other end has a long rubber blade-attached to it.
- The purpose of the project is to design the windshield wiper control system for the safetiness of the people who drive heavy automobiles and domestic four-wheeler vehicles.
- The automated Wiper system is used to detect rainfall and activate the wiper system automatically without the drivers inuput contol