Abstract
The safety is very critical in the automotive industry and it would be a vigorous proposition to have an innovative safety feature that would prevent the driver from falling asleep while driving. With the aid of today’s technology, photographic equipment can be used to recognize when the driver’s eye lid proceeds to mantle and Sclera/Pupil are no longer defined.

Theory And Cause Of Fatigue Drivers
Numerous types of studies have been practiced to provide and prove that tiredness, drowsiness or sleepiness while behind the wheel will eventually lead to serious accidents if the driver continues to operate the vehicle without the aid of an alarm system.

Methodology
The proposed methodology is based on eye recognition for the driver fatigue detection for the effective vehicle control system. This system detects the driver fatigue state based on eye tracking which comes under an active safety system. It employs the seat to vibrate as an alert or awareness for the driver.

Technical Objectives
• Design the system to be able to link to a vehicle
• Determine if this system will be compatible with intelligent vehicles and if it will output anticipated results
• Opportunity to utilized academic skills in a real world project and contribute to driver’s safety
• Determine if it will work on any domestic or imported vehicle

Related Work and State of Practice
The TTL serial camera module with NTSC video output will use the Arduino 101 with an Intel Curie microcontroller to send a signal to the driver seat. An unbalanced impeller could be utilized to receive the output data signal emerging from the microcontroller, which is wired to the data input of the impeller. The signal input will activate the impeller to vibrate the seat. Therefore, the driver is alert of the situation. This process can continue to be implemented until the eyes are recognized as opened again. This innovation will be essential when concerned about safety and will decrease the rate of accidents due to the lack of contemplation.