

**FATIGUE MONITORING SYSTEM
AS A WAY TO MAKE THE ROAD SAFER**

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The driver fatigue monitoring system is something that has just recently appeared on the market and is ready to boost sales. This system has many advantages, but one of the most important is that it can easily prevent an accident by monitoring the driver's face and eyes.

Driver fatigue is one of the most common causes of accidents after a long day of work or a long trip. This fatigue is the reason that the driver may gradually fall asleep during the trip or lose control of the car due to a drowsy state. Scientists have been thinking about solving this problem for a long time. And recently, a new device that monitors facial expression and eyes in order to get rid of this problem has appeared on the market. The device has received a simple name, i.e. a driver fatigue monitoring system.

A driver fatigue monitoring system is a technology that is used to determine the level of fatigue and attention of the driver while driving a vehicle [1]. This device looks like a video recorder and monitors the driver's face. The device will play a sound signal to prevent a possible accident if it detects from eye movements and facial expression that the driver is distracted or falling asleep. In addition to the driver control, this system also monitors the force of pedal pressure and the amplitude of the steering wheel movement [2], which allows to predict the movement of the car and what can be expected in the near future.

There are also certain types of this device, which monitors not only fatigue, but also traffic violations, for instance, talking on the phone while driving.

Despite the fact that the system has only recently appeared, some car brands are already successfully integrating this function into a new car

model. These car brands are Mercedes-Benz, Volkswagen, Skoda, Volvo, etc.

In the same way, improvements to the already created system are gradually being implemented in order to maximize road safety.

This system is mainly aimed at controlling driving alone, because when traveling with passengers, the probability of an accident due to fatigue is significantly reduced, as in this situation passengers do not allow the driver to fall asleep. It is no less useful if the issue concerns public transport or truckers. In both cases, drivers are behind the wheel for a long time. With longer transportation, human attention becomes significantly worse. The most important aspect is public transport, because in it the drivers are responsible not only for themselves, but also for the passenger he is driving. Therefore, the implementation of this system into public transport will be the best solution for the passenger's safety.

The driver fatigue monitoring system is a very important invention that will make road traffic safer. In addition to the fact that this system monitors the driver's facial expressions and eyes, it can also monitor other factors of traffic violations or fatigue when travelling long distances.

It is also important that this system is beginning to spread throughout the world. Therefore, more and more roads are becoming safer and better. In addition, this system has many analogues. Perhaps in the near future this system will be in every car. Many people will be no longer afraid of the roads, because the risk of getting into an accident will be significantly reduced.

Many people will decide to buy a car because they will be sure that fatigue after a hard day will not affect the safety of other people. The number of advantages of this system is very large, which indicates innovation.

References

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