



www.mindtechapps.com // international@mindtechapps.com // Software industry //

Our goal

Mindtech aims to utilize brainwaves in driver attention level monitoring in order to lower the number of accidents caused by the lack of alertness.

The problem

Drivers are likely to lose focus, especially at night, or at long monotonous rides. The lack of attention can lead to fatal accidents. Anti - sleep systems do already exist, but these are rather aiming to prevent the driver from falling asleep, than keeping up their attention level.

Our solution DriveAlert



DriveAlert is a mobile application, that detects the attention level of the driver, and if it drops drastically during a drive, the app sends an alert to the driver. The brainwaves are detected by a Neurosky EEG headset. Brainwaves are giving us information about the mental state of the driver. Our app processes the incoming signal and decides whether the driver is paying attention or lacks alertness.

Our brain is different day by day, therefore the app is calibrated to the actual attention level of the driver at the beginning of the journey.

In the future we are planning to replace the sensor with our own hardware.

Achievements

2017 - BVK Be Smart Award

2017 - V4 Eyes National Winner

2017 - Startup of the Month, September, (by the Hungarian Ministry of National Economy)

Cooperation partners

University of Notre Dame (USA) - Research & Market validation

Pazmany Peter University Faculty of IT and Bionics (HUN) - Research

Hungarian Academy of Sciences's Inst. of Cognitive Neuroscience and Psychology (HUN) - Research

Commercialization

The free version of our application is already available at Google Play.

We are going to distribute both the software and hardware, both in B2B and B2C model. The B2B model is going to cover transportation companies with a full range of remote monitoring services. The customers will be able to purchase the pro version of the app and the hardware for a fixed price, the remote monitoring service will be available for licensing.

