

PROJECT PROPOSAL

Driver Pre-Accident behavior pattern recognition

Introduction:

Majority of traffic accidents occur due to drivers compared to vehicles condition and road condition. Mistakes of driver's perception is the direct cause of traffic accidents. Majority of accidents are due to driver's misperception and miss-operation. With the help of neural network, we are trying to evaluate the behavior of the driver and we are going to provide updates about his actions to his emergency contacts and people riding along with him via a Text Message. We are going to design a neural network and train the neural network; we create various algorithms to train our model. Once we are done with training the model, we will analyze the accuracy of the model.

Goal:

Our goal is to provide optimal solution to a everlasting problem using neural network, with the help of neural networks, we are going to predict the behavior of the driver once the detection is done we will provide an update about his situation to his emergency contacts and his fellow co-passengers.

Progress Updates:

Progress Update 1:

We will analyze our data and draw necessary conclusions. Will complete literature survey. Will work on developing our neural network.

Progress Update 2:

Once proper background work is done, we keep on developing our Neural network we will train our model and will work towards improving accuracy.

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