DROWSINESS DETECTOR

By - Kiran Tanwani (91800133033)

INTRODUCTION

- Sleep-deprived drivers responsible for 40% of road accidents, say transport officials.

- The purpose of this project is to help reduce this number.

- We already have systems that can help detect facial expressions and the emotions in real time and in static images as well.

- Using facial expression detection we can detect if the driver is sleepy or if he is drowsy. This will help in prevention of a lot of accidents that take place because the driver was not alert.

APPLICATION

- This project can be used in cars, planes, and locomotives that are used for long routes.

- Can also be used to proctor employees of companies, to check if they are working in a good state.

- It can also be used to monitor patients in hospitals when the patient is under strict observations.

How is it done?

- Camera Detection

- Face detection

- Facial landmarks

- Facial Expression detection

- Decision Making

- Sound Alert

THANK YOU!