Münevver Uslukılıç Elif Demir Utku Kalkanlı Büşra Ünver Celal Bayraktar

**Supervisor**: Hamdi Dibeklioğlu

#### SAFE DRIVE

# **SAVE**



**Driving Assistant Designed For Your Safety** 

## 01

#### **FATIGUE DETECTION**



Fatigue is an important state that can affect your driving performance. SAVE tracks your facial movements and head pose by using OpenFace analysis toolkit and reminds you to take a break. It helps you to go to the nearest cafe!



#### **EMOTION RECOGNITION**

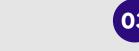




If you are feeling scared, angry, or sad SAVE will be mood changing assistant and ask you to play you some music from Spotify to make you have a better day. No more angry drivers on the road!







### **03** COLLISION EMERGENCY





Accelerometer placed in smartphones calculates the G-Force continuously and SAVE asks if you are okay when it detects any dramatical change in the G-Force. It calls your emegency contact if you need help!





## **04** REMOTE PPG

Tracks the driver's heart rate during the trip by using remote photoplethysmography technique. SAVE warns the driver when an abnormal rate is detected.





