RA_210

Problem Statement : Road Accidents in India

Abstract fo solution :

Some problems to which we found potential solutions are:

1. **People using mobiles :**
   i. **A software which locks the drivers' phone functionality while the car is in motion**
2. **Mechanical failures:**
   i. **Software which performs a check every time the car is started to make sure all critical systems are working properly**

3. **Drunk driving:**
   i. **An inbuilt breath analyser test which prevents the car from starting if the drivers' breath has alcohol content above the threshold**
4. **Driving on the wrong side of the road:**
   i. **Inclined metal spikes at intervals of 50-100m which will puncture tyres of vehicles moving in the wrong direction while allowing vehicles moving in the right direction to pass over them will instill enough fear in drivers for them to not consider driving on the wrong side as an option**

The major solution we will be looking at is self driving cars,as an onboard AI can take care of most human errors. However,

these come with their own set of unique and different challenges.We'll be looking over this later