Deep learning to find the steering angles & Self applied break

Project Proposal

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**Deep Learning to find the steering angles & self-braking.**

**Abstract:**

**Background:**

Now a days transportation specially cars are part of human’s life. Cars now a days already include many semi-autonomous features , like it is able to assist in parking and also provides self-braking systems. And a complete autonomous vehicles are able to operate without human interaction and human control and it is becoming more of a reality. Recently NHTSA research shows the report that approximately 94 percent of accident are caused by the human error during driving.

The advantages of autonomous cars are so many ‘Like the sensors in self-driving car are always observing and it does not affect the state of the human(driver) in a sleep or angry mood etc. and can also scan in multiple directions simultaneously’.

**Working Ideas:**

We want to contribute in this manner that we want to find the steering angle from every aspect which will help us to find the movement of cars. The second challenge which we want to take is to find that how self-braking is applied.

An algorithm or software are required to reliably capture or monitor the data and make decisions on steering , braking , speed etc.

**Scope:**

Self-driving capability will surely add so many benefits in our life , It will provide easiness in our whole society , like providing transportation for those people who are not able to drive properly just because of the stress , under age or any physical disability.