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### Patent Search

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#### Abstract:

The application discloses IoT & AI/ML based vehicle direction-assistance helps drivers of vehicles to manage speed and direction of the vehicle. The invention discloses a system and method for providing direction assistance to a driver of a vehicle. The system includes a sensor for detecting a vehicle's position and direction, a processor for receiving data from the sensor and determining a direction of travel, and a display for providing direction assistance to the driver. The method includes receiving data from the sensor, determining a direction of travel, and providing direction assistance to the driver. The invention also discloses a system and method for providing direction assistance to a driver of a vehicle based on a user's input. The system includes a sensor for detecting a vehicle's position and direction, a processor for receiving data from the sensor and determining a direction of travel, and a display for providing direction assistance to the driver. The method includes receiving data from the sensor, determining a direction of travel, and providing direction assistance to the driver based on a user's input. The invention also discloses a system and method for providing direction assistance to a driver of a vehicle based on a user's input. The system includes a sensor for detecting a vehicle's position and direction, a processor for receiving data from the sensor and determining a direction of travel, and a display for providing direction assistance to the driver. The method includes receiving data from the sensor, determining a direction of travel, and providing direction assistance to the driver based on a user's input.

### Complete Specification

Embodiments of the present invention relate to a system that autonomously active or deactivate the indication lights of vehicles (two-wheelers and four-wheelers), guiding to the driver of vehicles and using signboards and marking on the road to guide the driver of the vehicle about speed and direction by using Artificial Intelligence and Machine learning.

#### BACKGROUND OF THE INVENTION

Various accidents occur on the road due to less attention while driving vehicles and finding directions on Google maps, sometimes wrong indicating lights by drivers lead to accidents.

And many accidents occur due to not proper attention on roads and not observing signs boards manage the speed and direction of the vehicle.

Therefore, there exists a need of a system which helps in guiding the driver of the vehicle without seeing into their device which they used for navigation, automatically active/deactivate light indicators of the vehicle according to the direction of the navigation system and also provide a speed and direction guidance to vehicle based on

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