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(57) Abstract :

The present disclosure relates generally to vehicle safety systems and more specifically relates to an artificial intelligence based vehicle safety system. The system (100) includes multiple sensors (106) and atleast one imaging unit (108) to detect and capture the environment in and around a vehicle (104). The system further includes a cloud server (120) is included to access real time set of data. A controller (102) is configured between multiple sensors (106) and an electronic control unit of the vehicle (104). The controller (102) is embedded with artificial intelligence and machine learning algorithms. Further, the present invention relates to a method of working of an artificial intelligence based vehicle safety system. Advantageously the present invention relates to a vehicle safety system to warn drivers of potential dangerous driving situations and takes control of the vehicle to prevent accidents in a cloud computing environment.

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