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(57) Abstract :

The present subject matter relates to a system and a method for intelligently limiting the speed of a vehicle. The method includes determining the designated speed limit for a particular road using an IoT device connected to a navigation system and the internet; processing data from a plurality of sensors, including a GPS sensor, an oxygen sensor, and a camshaft position sensor, using a microcontroller programmed with a machine learning algorithm; simulating speed control in accordance with the driving pattern of the driver and the traffic conditions; sending signals from the microcontroller to an engine control module to adjust the vehicle's speed based on the processed data; and modulating the pressure on the accelerator of the vehicle to limit the speed without switching off the fuel supply.

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