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(57) Abstract :

A Dynamic speed limiter with an Electronic Controller Unit (ECU) and dynamic mechanism with GPS road tracking system is provided for automobile vehicles. The GPS road tracking system works with help of third party application (Velociraptor) for tracking the maximum speed limits of the road as per the Indian road conditions. The ECU in dynamic speed limiter consists of servo motor and micro-controller or Arduino. Micro controller in ECU plays a crucial role which always compares the maximum road speed limit value from the GPS and speed of the vehicle. The comparison is made for given speed limit values of road is higher than vehicle speed then if there exists a possibility to accelerate it or on the other hand if speed limit value is lower than speed of vehicle can be decelerated by dynamic mechanism. By this condition the vehicle will operate and maintain equal speed limit of different roads.

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