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(57) Abstract :

The present invention relates to suspension adjustment system for two wheelers comprises of a telescopic rod 1 installed with an ultrasonic sensor 2 that extends/retracts in accordance to the movement of the shock absorber 4, wherein ultrasonic sensor 2 measures the distance of the rod 1 from the shock-absorber 4, a weight sensor 3 assembled on shock absorber 4 to determine real time load, an artificial intelligence enabled image capturing module 5 positioned on vehicle 6 to determine road conditions, a primary motorized guide rail 7 and a secondary guide rail 8 mapped with vehicle's 6 body and integrated with a rear wheel axle 9 respectively and multiple conical teeth 10 layered on the rod 1 to reduce travel length of the shock-absorber 4.

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