

Safety of two Wheeler Riders

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Abstract: *Two wheelers are the most economical way of transport. Owing to this, there has been an increase in the number of two wheelers especially on Indian roads which has led to increase in the number of accidents.*

One of reason is riding triple seat as well as taking sharp turns. Keeping in mind the above problems, an integrated system is designed which will ensure the safety of riders. The integrated design consists of an automatic triple seat detection and continuous tracking of tilt of two wheelers with respect to the road. The components are integrated in such a way that the engine of the two-wheeler will start only if the seats occupation is in limited range.

The tilt sensing device will sense the inclination of vehicle with respect to ground and as soon as the level go below the threshold value of angle of inclination, a warning beep will ring, intimating the rider that the vehicle may slip.

Keywords: Tilt Sensor, IR Sensor, Micro roller Switch, PIC controller etc.

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