Bike Skid Detection and Smart Alert System with Route Condition Assistance

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Abstract:

The world is in the era of mobility. There are over a million vehicles passing on a daily basis. With increasing traffic, light motor vehicles are preferred to motor vehicles like sedans and SUVs. Bikes and Scooters help commuters to travel quickly and with more agility. As a result, rise of sharing apps are seen. Even the delivery of meals, groceries, and daily foodstuffs is carried out by bikes and scooters. So there is an increase in the accident rate by two-wheelers. There is a need to safeguard the commuters by proposing an improved bike safety system. In this study with the help of IOT, skid detection system is implemented and alarm system for quick action after an unfortunate incident. Furthermore, accidents by bikes are varied. Collison, Skidding, and Rollover. But reports convey that the majority of accidents on bikes happen due to skidding and the percentage is alarming at 40.9%.

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