Landslide Update and Conflict Avoidance System for Vehicles in Deep Curves

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Abstract: *The advancements of technology in artificial intelligence and in this project plays a major role for the purpose of natural disasters like landslides. Landslides are a catastrophic disaster worldwide that alter from terrain to terrain. This paper is an attempt with regard to the expansion of a landslide susceptible approach by using accelerometer sensor and rain sensor is used for detecting heavy rainfall. Landslide is one of the hazardous and critical geographical process, which damages to civil infrastructure and property as well as causes loss of life. Upon detecting the landslide condition or heavy rains it warns on display as a message and closes gates on either sides of ghat till road condition gets normal, in this situation the motor operated gates are fixed upon each sides for free passage of vehicles from one side to other side. And, a siren buzzer that alerts the civilians in hilly and proned regions, this might save thousands of lives. Also, this project aims to decrease the number of accidents that occur on curved roadways. To do this, a warning is displayed as a vehicle approaches from the other side of the bend serves as a message to the driver.*

Keywords: artificial intelligence.

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