Roads Accidents Alert System

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The use of automobiles is in the rise worldwide. Data for the past 10 years show an average increase of about 70% worldwide [1] of new car sales. The number is even higher in some developing countries namely China and India. With this increase of automobiles usage, a number of associated problems have also increased. Problems such as pollution, congestion and roads safety pose a significant challenge to many countries and it is taking a big toll socially and financially. This project is concerned with one of these challenges, that is, road safety. A major factor in road accident fatalities is “response time” for emergency help. This problem becomes more severe in rural roads, cross-country roads and less trafficked ones. Our project is aimed at reducing accidents fatality by employing an automated abrupt communication to authority and emergency providers that should, in principle, save lives by shortening the response time to accidents. A programmable automated device that senses and evaluates the severity of the accident will send relevant information including location to authorities – and perhaps a family member - should improve the response time and make it more efficient and hence, saves lives.

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