ACCIDENT DETECTION AND ALERT SYSTEM LOW COST

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ABSTRACT

Accidents are one of the leading sources of deaths in the world, and 30% of deaths are occurred due to late recognition of accident occurred. So, many of them came with the idea to automatically detect an accident and alert the nearest hospitals and medical services about it through gps and gsm module. In this we are additionally adding a shock sensor all around the vehicle which is used to detect any hard impact occurred from any side of the vechile by low cost.

OBJECTIVE

Our main objective is to minimize the accidents' response time when an accident occurs and the time emergency responders reach the accident scene in reducing human deaths due to road accidents.

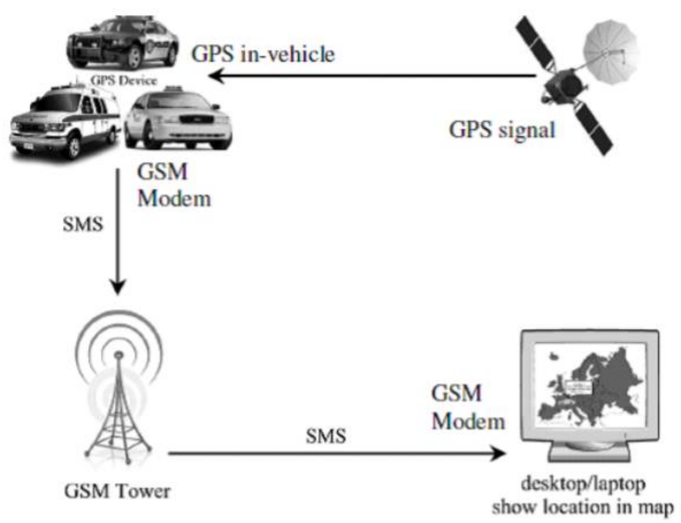
MERITS:

- Saving lives
- It is highly efficient and cheaper
- **DEMERITS:**

***** Difficult for communication in areas with poor network coverage

FATALITY RATE

Procedure



RESULTS

Whenever accident has occurred then the device sends message to given mobile device

Message for accident :

“Accident alert

latitude: 2400.0090, N

longitude: 12100.0000, E

time: 12:00”

Conclusion

- Overall , In this project Any vehicle and personnel which have encountered an accident can be identified immediately and accurately by using the tracking system without any delay. Proper treatment and medication can be provided to the victim at the earliest even in the remote areas. It can be crucial in saving precious lives with immediate response.

FUTURE SCOPE

- By increasing the technology we can also avoid accidents by providing alerts systems that can stop the vehicle to overcome the accidents.