



# Reasons Behind Major Accidents On Roads And Suggestions

**SOORAJ H K**

Department of civil engineering  
Atria institute of technology, Bengaluru-24  
Karnataka, India.

**VIKASAREDDY**

Department of biotechnology  
R V College of engineering, Bengaluru-59  
Karnataka, India.

**Abstract:** According to statistics there assumed to be 400 deaths per day in India, and the major cause for this disaster is road accidents, which is caused by ignorance, technical fault and many more defaults, in this paper we will discuss about some of the reasons behind these accidents and possible solutions.

**Keywords:** Construction of Roads; Drink and Drive; Absence Mind; Education; Vehicle Conditions;

## I. INTRODUCTION

According to statistics there assumed to be 400 deaths per day in India, and the major cause for this disaster is road accidents, which is caused by ignorance, technical fault and many more defaults, many people losing their precious lives by these ignorance, 400 deaths per day is not at all a ignorable aspect. In this paper we are discussing the *reasons behind major accidents on roads and possible suggestions* for these drastic situations.

### 1. Construction of roads:

Construction of roads plays vital role in the prevention of the accidents. For the construction of the roads

- The trees, shrubs, grass roots and other organic matters including top soil should be removed before excavating earth for constructions,
- And camber should be very steep.
- The construction materials should consist hard varieties of crushed aggregates or broken stones.
- The centre line and road edges are marked on the ground along the alignment, by driving wooden pegs.

Above mentioned are the some of the points which should be taken care before construction of roads to prevent the damages on the roads. But unfortunately many contractors will not follow these standard measures to save money and skilled labors should be provided for the construction.



### 2. Absence of mind while driving:

This is one of the main causes for accidents, the driver who is driving the vehicle should always give his/her concentration towards driving not on all other stuffs. One should always think about things around his/her environment and before taking any decisions while driving he/she should think about his/her safety and the other vehicles passing through the same way. For example before overtaking the vehicle one should beep the horn and should look back in the mirror and ensure about any other vehicle is passing through the same way once it is confirmed that there is no harm in overtaking both from the back and front side only in that case the driver should move on. And driver should not use the mobile, Driver should be always psychologically free from stress, tension and physically fit as in proper olfaction. And should be capable of taking some clever decisions while overtaking and should not sleep while driving and should give proper signals while driving. All these points should be taken care to avoid the disasters.



### 3. Lack of education:

The driver should be educated enough to drive a particular vehicle in any situation like while overtaking, while driving in hill areas, while driving in traffic, while parking, reversing, curves and steeps. Should have proper knowledge of traffic signals and should drive vehicle in frequent manner or should not apply the brakes suddenly without any reason and should apply the indicators in proper direction, and should dim dip the head lights while overtaking in night. To avoid the tragic accidents.



**4. Vehicle conditions:**

Conditions of the vehicles really matters while driving, because even though one may drive accordingly but if there is any technical error occurs in the vehicle it may leads to any accident. Always one should take care of vehicle conditions like frequent checking of lubricants, fixing of mirror in proper angle (four o’ clock angle), proper wheel alignments, should take care of horn conditions, indicator conditions, viper conditions, Battery conditions, and as we all know even the conditions of brakes also matters while driving, so one should take care on this, and emission test should be conducted frequently.



**5. Drink and drive:**

Consumption of alcohol is a trend now a days and especially in youths of today’s generation will consume the alcohol like anything it may be for the craze, may be for the peers pressure, it may be stress of daily life, it may be for joyful moment or anything. In general what we can say is consumption of alcohol has become a reason to spend any time. Once after consumption of alcohol one should not drive the vehicle, because after consumption of alcohol human psychological reactions will change, like reaction time on an action. One cannot take right decisions like applying the brake, identification of vehicle, which may leads to rash driving and major accidents.



**II. CONCLUSION**

Above mentioned points are the some of the reasons behind major accidents on the road, still there are many more things exist but one should always take care about safety of their lives while driving and should wear safety measures (like seat belts, helpmates) because mistake will not be from our side always mistakes may done from one who is coming from the opposite side of us, wearing these safety measures will reduce the intensity of injuries on accidents and also reduce the number of death rates.

**III. ACKNOWLEDGEMENTS**

The authors thank Dr.S.Sridhar, Professor and Director, RV Cognitive Technologies, R.V.College of Engineering, Bangalore, India for communicating this paper to this journal for publication.

**IV. REFERENCES**

- [1]. Harry Lum; Jerry A. Reagan (Winter 1995). "Interactive Highway Safety Design Model: Accident Predictive Module". Public Roads Magazine.
- [2]. ST. FLEUR, NICHOLAS (24 February 2016). "Reading This While You Drive Could Increase Your Risk of Crashing Tenfold". New York Times. Retrieved 29 February 2016.
- [3]. Leeming, J.J. (1969). Road Accidents: Prevent or Punish?. Cassell. ISBN 0-304-93213-2.
- [4]. Sagberg, Fosser, & Saetermo (1997). An investigation of behavioral adaptation to airbags and antilock brakes among taxi drivers (29 ed.). Accident Analysis and Prevention. pp. 293–302.
- [5]. "Road Casualties Great Britain: 2006" (PDF). UK Department for Transport. Archived from the original (PDF) on 13 April 2008. Retrieved 5 March 2008.
- [6]. "Hard-Rock and Classic Music Could Lead to Road Accidents, New Survey Says". Infoniac.com. Retrieved 13 November 2011.
- [7]. Ray Fuller; Jorge A. Santos (2002). Human Factors for Highway Engineers. Emerald. p. 15. ISBN 978-0080434124.