

An Article of Road accident causes in Sangli District of Maharashtra

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ABSTRACT

Road accident is world main problem. Every day we watch the news of road accident on the TV, Internet. The main causes of road accident are human behavior. The major causes of road accident are human carelessness in our country. Under the causes of road accident the carelessness is one of the most important factors in road accident.

Keywords : Road Accident, Causes, Suggestion, Traffic Collisions, Vehicle, Speed Limit.

I. INTRODUCTION

Road accident is world main problem. Every day we watch the news of road accident on the TV, Internet. The main causes of road accident are human behavior. The major causes of road accident are human carelessness in our country. Under the causes of road accident the carelessness is one of the most important factors in road accident. In road accident cause include breaking the traffic rules, using the mobile phone when driving .the another causes of road accident is inexperience driver and untrained drivers. At night time most of the driver drives the vehicle under the influence of alcohol it is also main factors which contribute in road accident.

II. Literature Review

Road accident is main big problem of today world. We listening the news of road accident on the television radio and internet. The major causes of road accident are carelessness. Under the carelessness we have many example which includes using the mobile while driving, break the traffic rules, overtaking non-wearing of seat belts etc. some people drive after drinking alcohol due to this reason may lead to dangerous road accident .the road crashes are caused by human error.

In his article road accident in India explain causes and effect of road accident. According to the day by day road traffic how been increasing and per yearly accidental death increasing eight percent per year .He detailed analysis road traffic situation in India. India needs safety road policies. [1]

In his research article entitled “road safety and accident presentation in India: A Review”, described the causes of road accident. Road accident is generally human errors. Road accidents are a human tragedy. Because of the death of road accident economic loss for person in 2010 are 5 lacks road accident happen in India and 1.3 lacks person has died. A Road accident is direct impact on human resource of economy. It loosed national wealth so you need road safety and what is the prevention policy he suggest various measure to how road safety and what is the prevention of road accident. [2]

Road accident has adverse effect on the economy, public life of the people. Road accident is suffering death, injuries and loss of productivity. The Tamil, Maharashtra, Madhya Pradesh, Karnataka, Andhra Pradesh ,keral, Uttar Pradesh, Gujarat, Rajasthan, chhatishgarh, west Bengal ,Haryana, and Bihar together account for 88.4 percent of all road accident in India. In 2012 4,90,383 Accident happened and person killed 1,38,258, injures person 5,09,667 and in 2013 4,86,476 accident happened in India died person 1,37,572, and injured person 4,94,893. Defect in road, weather, fault in drive, defect in car, condition of motor vehicles these are the causes of road accident. [3]

In his research article “prevalence of road traffic accident and driving practices among young driver” mentioned, according to the road accident are high among young driver, unsafe driving, high speed, not use of helmets. Using mobile phone in driving is the causes of road accident. They suggest some measure to avoid

road accident organized awareness program in colleges and school, traffic rules and speed limit should be strictly followed by the drivers including young driver. [4]

High speed, increasing no of vehicles, carelessness among road user and many other reasons are said to be linked to road accident. This paper is useful to find out rank to causes of road accident depends on fuzzy data. Which type of vehicles is involved in accident is consider as the criteria for ranking. Data are collected from the government agencies. After the analysis of data it show that which register vehicle was first in ranking. A decision depends on linguistic judgment is successfully made after taking consideration the multiple vehicles involved in road accident. [5]

This research paper analyzes the characteristics data base of road accident in china. The result is depends on attributes basic information, people condition, vehicles condition. [6]

Road accident is major social concern in the India. Drinking and driving is a serious problem in India. Researcher is suggesting some important solution to avoid road accident. [7]

In his article researcher give the technical idea or unit to prevent the road accident road Accident prevention unit are used in to avoid road accident. Road accident prevention unit are used in automatic breaking system in case of alcoholic state .they are also used in monitoring of pulse rate of driver. [8]

III. Methodology and Objective

Data collection:

There are two methods of data collections.

- 1) Primary data collections method.
- 2) Secondary data collection method.

The data collection of the causes of accident is primarily done by questioners. The secondary data collection is collected through accident report and police document, newspaper etc. Data collection are depends on date, time, location of accident. Primary data collection methods are

given below: Observation: In observation data collection data are collected by only observation.

Objectives of Study:

1. To study the effect of road accident and causes of road accidents.
2. To study the existing the road design
3. To study the financial losses occurred
4. To study the environmental factors affect the road accident.

Indian road accident scenario:

In India the personalized vehicles are increasing very tremendous growth rate. According to world health organization global status reports on road safety in India Increasing the road accident death every year. 1, 42,485 people are killed in India every year due to the road accident. Causes of road accident in India are high speed, drunken driving, low use of helmet, low use of seat belt, bad road condition, untrained drivers, lack of direction board, etc. 40% of road accidents are due to the truck and two wheelers. In India 2011 4.97 lacks accident was happened, 1, 42, 49 0 death was happened. Road accident is impact on national GDP. 3% impact on GDP of India during of the year 1999 - 2000. Planning needed to improve the road safety. Adopt the strategy of road safety based on 4E, Engineering, Education, Enforcement, Emergency care.

Maharashtra road accident scenario:

According to the national crime records bureau Maharashtra state has the rank 4th in road accident as well as road accident deaths in India. Road accident deaths of rate are double as compare with national average. In Maharashtra metropolitan cities Pune, Mumbai, Nasik have reported rate of road accident deaths is double from 2006 to 2012. Carelessness of driver, increasing the no of vehicles ,breaking the traffic rules such as over speeding ,un follow the traffic signal, untrained drivers, drink and drive, over speeding just for fun, lack of enforcement .In Maharashtra for heavy vehicles there is no bypass roads are not available in many cities. Now days high speed vehicles are available in metropolitans' cities but there is no special roads are available for that type of vehicle. Solution of road accident is to follow the rules and regulation. The others

causes of road accident is that infrastructure of roads. Narrow bridges, steep turns, sharp turns, misshape of the road. In Maharashtra the condition of highway is not good as compared with standards of good highway.

Table 1: year wise accident data

Year	Accident deaths		Rate (per lack population)		Maharashtra rank
	Maharashtra	India	Maharashtra	India	Rank
2005	52,658	294,176	51.06	26.8	7
2006	57,104	314,704	54.7	28.2	5
2007	58,553	340,795	55.03	30.6	6
2008	58,755	342,302	54.7	29.8	6
2009	59,114	357,021	54.5	30.5	4

Source: National Crime Report Bureau (NCRB).

Table 2 No. of Accidents During 2010 to 2013 (Calendar Year) & Percentage Growth.

2010	2011	Growth %
983	873	-11.9
2011	2012	Growth %
873	845	-3.21
2012	2013	Growth %
845	832	-1.45

Source: RTO Maharashtra

Table 3: Accident information of sangli district

YEAR	ACCIDENT	DEAD	INJURED
2010	983	282	957
2011	873	278	926
2012	845	314	849
2013	832	325	971
2014	873	321	946
2015	913	330	823
2016	803	376	791
TOTAL	6122	2226	6263

Source: news paper

IV. Finding and Suggestions

Findings:

- It is found from the analysis that most of the road accident causes are carelessness of people.
- The main reason of road accidents is bad infrastructure of road. (Curvy road, patch on road, sharp turn of road, absence of flyover, Narrow bridges) In hilly region land sliding is the main reason of road accident.
- Natural hazards are also main causes of road accidents. Wondering animals on the road is the reason of road accident Lack of direction and instruction boards is the causes of accident Strong headlights are responsible for accident. Over traffic is the reason of causes of accident.

Suggestions:

- Don't drink and drive.
- Reduced the speed in bad weather and on wet roads.
- Always remember to wear seat belt when driving.
- In stress condition don't drive the car.
- To follow the traffic rules.
- Install CCTV in highway.
- To obey the traffic rules.
- Good condition vehicles are always used.
- To keep your vehicles in good condition.

V. CONCLUSION

As per the survey it can be concluded that lot of peoples are aware of the causes of road accident and its effect but instead of that they are not follow the rules and regulation So, the cause of road accident information is very important. Even though we are progressing rapidly but we should focus on such a basic things like causes of road accident.

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