

# At to predict the accident occurrence per

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At some critical locations of Jaipur as accident study data analysis is carried out to give an effective fall in the rate of accidents which will a probable estimate of road accidents severity. For this a zone wise report is prepared, four different locations around Jaipur has been selected from all four zones of Jaipur (Jaipur East, Jaipur West, Jaipur South, Jaipur North). The places selected had been denoted as black spot. By this accident study the rate of accidents at a particular point or zone or location where study is made will make it quite easy to predict the accident occurrence per unit time with a good rate of precision or safety of road user in that particular zone.

To obtain future probability it is mandatory to interpret data to obtain main root of this problem of road accidents. While using road, the problem which arises is of road accidents on highways due to complex uses made by vehicles, pedestrian, due to mixed traffic, method of traffic flow, etc.

Hence here comes a huge responsibility on highway engineer and that's why they have to take charge of that as due to occurrence of accidents, loss of life and property is generally caused so highway engineer have to do work so efficiently that flow of traffic movement by the road user can be safe and rate of accident occurrence can also be reduced and their safety can also be ensured.

As we know road accident occurrence study can't completely vanish off the accidents but can reduce it to some great extent by managing the suitable traffic engineering. For this a systematic road accident study is to be carried out.

Many Countries are having an impact of globalisation around the world. INDIA is one of them, which got benefited. INDIA is also very much developing country so during this current era of development

people across the country created a well-defined scope for increase in travel and transport mobility and also rapid increase in rate of accident in Jaipur city.

INDIA is going through several transformations and transitions with increase in motorization and urbanisation. Among top ten causes of mortality in the country, road traffic accident was the ninth cause during 2015, but with the increase in urbanisation and mobilisation. Jaipur has 3.628 million estimated population in 2017 and as per a report of MORTH (Ministry of Road Transport and Highway) out of which 4.

1% share is held by Jaipur in total accidents in the country, where during these accidents, 10465 deaths in road accidents had occurred during 2016 as per police data. Jaipur District had recorded the maximum number of road accident deaths at 1406 people according to police figures. In this study defects of road geometry, safety aspects, accidents statistics, Behaviour of accident are identified.