

# PREDICTING SEVERITY OF ACCIDENT

## 1 Introduction

### 1.1 Background:

In our daily routine, we use to move outside of our city for some work or other activities. In cities, where there are markets or some entertainment place, people usually travel with care, which results in less accidents. While traveling outside of the city or on some highway, people travel with speed and show less care because of less traffic or less crowd, which results in accidents. One should be more careful on these roads specifically at junctions. Secondly, drivers should be more careful in certain weather or road conditions to avoid serious accidents which can result in injury or fatality. Due to unawareness or carelessness, people may face accidents or stuck on roads due to some accidents, which waste their lot of time and money ultimately. There is a lot of data available with government about the accidents occurred on these roads. This data can be used to alert drivers through radios or mobile alerts when they are approaching on certain junction with specific road and light condition. We must develop intelligent system for this.

### 1.2 Problem:

Problem is that the data we have is in raw form and is of previous incidents, so how could we use previous data to predict or forecast something could happen in future. We must gather correct information which can help to build some good model for better prediction.

### 1.3 Interest:

Drivers would be happy to know if they got alert while on road for chances of accident that could occur on certain road in specific environment and can drive more carefully or could change route if feasible. Secondly govt officials would be happy to cater less accidents if they can tell in advance the drivers about chances of specific incident.