THESIS STATEMENT

Transportation plays an indispensable role in our society and their dependency is relying more on us. Automobilization has crusaded a serious threat to traffic and the environment. The disruption of transport flow has not been considered vital and more importance has been given to the infrastructure of roads and highways. Transportation is important as it enables communication, trade and exchange of goods and services across the globe. At the same time growth of transportation has very unfortunate impact on the society in terms of accidents. Accidents are increasing day by day. We will be trying to find possible insights from this data about the reasons as to why accidents occur, which area is more prone to accidents and what are the aftereffects of accidents on traffic flow. Since transportation industry is ripe for advancement, data science can bring about an evolution in this sector. Data analytics can provide an in-depth knowledge of methods for analyzing and implementing intelligent transportation systems. For example: connected vehicles can be a way forward in the transportation industry. Sensors placed around cities that are then connected to apps can help drivers find parking spots faster, reducing traffic and emissions. The benefits of big data and analytics helps transportation firms to precisely enhance the model capacity, demand, revenue, pricing, customer sentiments, cost. Some of the assets include implementing real time monitoring system for enhancing operational efficiency, public transit system and traffic management system to improve bus transportation and reduce traffic congestion. By developing this project we can help society with implementing some laws needed for transportation which can prevent the accidents and also helps them to know at where they have to be more safe on roads which are more prone to accidents.