Abstract

With increase in population and need of a vehicle as a basic need, the traffic problem is increasing rapidly at an uncontrollable rate. Efficient traffic management systems need to be adopted without which it may lead to a traffic chaos in the upcoming future. The aim is to reduce the traffic management problems especially in India by providing the user an overview of the traffic scenario's in different parts of the country which will help him to reduce his travel time by avoiding congestions. This project investigates big data analytic tools to analyze the large amount of data collected from traffic management systems and produce patterns that can be used to formulate a full-proof and more efficient traffic management policy that can reduce or totally eliminate vehicular congestion, accidents thus saving precious resources and time. In this system traffic data like videos, number of vehicles, type of vehicles, etc. is used to infer patterns of traffic and congestion.
3. Intel, "Improving traffic management with data analytics", case study.
6. He-Sheng Zhang, Dept. of Autom., Tsinghua Univ., Beijing, China, Yi Zhang; Zhi-Heng Li; Dong-Cheng Hu, Spatial-temporal traffic data analysis based on global data management, December 2004.

Index Terms

Computer Science
Information Sciences

Keywords

Business Analytics, FCD