Abstract

Traffic Congestion is a big issue in many large cities of India and traffic lights are basically used to control the flow of vehicle. Failure of signals, increasing number of vehicles, poor law enforcement, and bad traffic management has result in traffic congestion. One of the major issues with Indian cities is that we cannot expand the existing infrastructure more, so we have only one option available is better management of the traffic. The effectiveness of traffic control system depends on its ability to react on real-time traffic conditions. However, conventional traffic control system is not able to do this. whatever the traffic density high or low the signals are timed and run according to that time only. This result in increased traffic congestion along the roads which again result in significant air pollution, an increased safety risk and negative impact on the economy and the overall quality of life. In this paper, we tend to planned development smart traffic management System based on the internet of Things (IoT).The traffic light management is proposed and developed to support decision making of traffic officers. The system can detect the congestion level of every road at the intersection based on the density of
car with facilitate of RFID technology.

References


Index Terms

Computer Science

Artificial Intelligence

Keywords

Traffic Congestion, Traffic light Control.