

ABSTRACT

The proposed system describes the improvement of VANET connectivity to avoid and detect the traffic congestion. It is based on machine learning algorithm. The algorithm used in this proposed system is YOLO (You Only Look Once). We can improve decision-making process and promote urban development in VANET, which is the sub class of mobile ad hoc network. Global positioning system and different devices of VANET network connectivity is improved in this proposed system. Traffic congestion and road accidents are two external factors of transport and reduction of their impacts is often one of the primary objectives for transport policy makers. The value of road traffic accidents to the individuals, property, and society in general have also been significant. Traffic congestion and accidents, both impose a burden to society, and as such it is also important to reduce their impacts. Traffic congestion and road accidents are two important externalities created by the road users.

Vehicular Ad Hoc Networks (VANETs) is the subclass of mobile ad hoc networks. We can increase several technical challenges such as improving VANET Connectivity. Road accident and traffic congestion is a current application in the network of vehicular Ad-hoc network. All have Studied thoroughly put and delay for connectivity in this system. We are trying to Enhance VANET connectivity with a different technique and simulations. We have studied vehicle density and the influence of various number of vehicles, message delay, and RSU (Road Side Unit) communication range.

In this proposed system a valuable work to improve the connectivity between vehicle to vehicle as long as they are connected to each other and the future performance of the applications for the connectivity of the vehicles in the urban areas and Highways, we are trying to reduce the road accidents with the help of improving connectivity in the networking field.