Abstract

The vehicular ad-hoc networks are the networks made of vehicles in the movement. The vehicular movement management is the important task for the automatically driven vehicles, where the traffic management module must be capable of handling the traffic movement and track the traffic hurdles. In this paper, the primary focus has been kept on the traffic hurdles detection in the movement of the traffic in the VANET cluster. The proposed model is based upon the distance calculation and non-moving hurdle prediction. Afterwards the proposed model floods the information in the VANET cluster about the detected vehicular hurdle. The proposed model has been evaluated on the basis of transmission delay, network load and data loss. The experimental results have proved the efficiency of the proposed model in handling the network during the hurdle detection and updation situations.

References

A Novel Model for Traffic Hurdle Detection with Quick VANET Cluster Updation Model

enhancement in vanets using mobility pattern." In Ubiquitous and Future Networks (ICUFN), 2013 Fifth International Conference on, pp. 184-189. IEEE, 2013.


Index Terms

Computer Science Wireless

Keywords

VANET, Hurdle Detection, Information Flooding, Traffic Movement Control.