ABSTRACT

Intelligent Transport System (ITS) is very important at this time to address the issue of road safety and to handle the current traffic congestion often occurs in dense regions of vehicles . By integrating advances in technology and information that already yet, technology Vehicular Ad hoc Network (VANET) can be answer necessary.

In this final project designed with the aim of a VANET simulation of a point road congestion detection using SUMO as Mobility Simulator , Network Simulator NS2 and MOVE simulator as between mobility and network integration By using WAVE (Wireless In Accsess Vehicle Environment) that uses IEEE 802.11p standard may be the router itself , forming an ad hoc network and can send information to other nodes which will result in communication Vehicle to Vehicle(V2V). .

VANET using the Ad hoc On-demand Distance Vector Routing (AODV), which aims to analyze whether it can provide better QOS is large throughput, less packet loss and small delay

Keyword : ITS , VANET , adhoc , access points, V2V , AODV , QOS