Abstract

In this paper performance of AODV routing protocol is simulated and evaluated for highway scenario in WiMAX based VANET. In VANET the node mobility is dynamic and changes their topology frequently, have short period to forward the packets between each other. To overcome this problem WiMAX on VANET is configured and simulated to examine performance of routing protocol. This is necessary to reduce Link breakage in order to increase throughput with collaborative efforts of vehicles and fixed station of WiMAX on VANET. The research performance of AODV is examined for highway scenario considering network layer of WiMAX on VANET in terms of Packet delivery Ratio, Throughput, End to End delay, etc.

References

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**Index Terms**

Computer Science, Networks

**Keywords**

VANET WiMAX AODV Simulator Topology link breakage Packet delivery Throughput

End to End delay