Abstract

MANET (Mobile Ad-hoc network) is a decentralized and self-organizing network. At present trends because of its security provided by MANET, so MANET becomes one of the most important wireless communication mechanisms among all other. In MANET within the network, the intermediate nodes route the packets from the source node to the destination node without any centralization authority to do, so MANET used the various kinds of routing protocol and these routing protocols are AODV, DSR, GRP and OLSR etc. In this paper the performance of AODV and DSR is analyzed by varying no. of nodes for two different applications: video conferencing and VOIP. The given work will be analyzed using OPNET Modeler. The result is carryout via Delay, Retransmission Attempt and Throughput. The results show that the overall performance of AODV is better than DSR for both the applications.

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**Index Terms**

Computer Science

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**Keywords**

MANET AODV DSR OPNET