A mobile ad hoc network (MANET) is characterized by energy-limited nodes, bandwidth-constrained, variable-capacity wireless links and dynamic topology, leading to frequent and unpredictable connectivity changes. Since the number of nodes can be large in the network, finding a route to a destination requires frequent exchange of routing control information among the nodes. In this paper we have implemented AODV protocol for ad hoc network, which optimizes delay routing loss rate in ADOV routing through simulator. The network simulator (NS2) is used to show that AODV protocol can reduce network end-to-end delay, increases packet delivery ratio and balance network overload.

References

- Deepshikha Juneja, &quot;A Novel Approach To Enhance AODV Security In Case of
Minimization of Average Delay, Routing Load and Packet Loss Rate in AODV Routing Protocol

- N. Venkatadri, K. Ramesh Reddy, Dept. of Computer Science, Vikrama Simhapuri University, Nellore, AP, India. IJMAN, Aug., 2011.

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