



**RESEARCH ARTICLE**

# **An Efficient Routing Implementation Using Genetic Algorithm**

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***Abstract— MANET is a new generation network utility and due to their ad hoc nature it keeps attracted for research and development. MANET can defined using unstable network infrastructure, self-organizing network topology and independent node mobility. This becomes obtainable due to their routing techniques; in other terms routing is a backbone for MANET. But due to network load routing performance of MANET is degraded thus some optimization on network routing strategy is required. in this paper we introduces a efficient and effective routing algorithm using the concept of genetic algorithm. the proposed algorithm is promises to provide high QoS parameters with respect to traditional AODV routing protocol. and here we compare the implemented routing protocol using AODV routing to provide the justification of proposed work.***

***Key Terms: - MANET; routing; multicast; multi-hop; Qos***

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