Impact of Heuristic Techniques in Reactive Multicast Routing

E . Baburaj

Abstract - Literature review revealed that a major aspect of wireless networks is that the nodes move randomly, which posses the routing protocols in Mobile Ad Hoc Networks (MANETs) that respond quickly to the frequent network topological changes inorder to guarantee successful data packet delivery with minimal latency time and overhead . Although there are several multicast routing protocols available for MMANETs , they perform well under specific scenarios only , so we attempt to design new Genetic Algorithm (GA) and Particle Swarm Optimization (PSO) based multicast routing models which improves the performance features effectively and obtains higher accuracy compared with the existing multicast routing protocols. On Demand Multicast Routing Protocol (ODMRP) and Multicast Ad- hoc On demand Distance Vector Protocol (MAODV) .