



RESEARCH ARTICLE

INNOVATION OF IFGRP AND PERFORMANCE ASSESSMENT OF OLSR, GRP AND IFGRP

Jatin Gupta

Department of Computer Science, Punjabi University, India

jatin_gupta2088@yahoo.com

Abstract— A MANET network is assembly of sensor nodes, where each node acts as router. MANETs are not based on centralized structure; therefore each node is responsible for routing the data packets from source to destination. This is done by implementing a routing protocol. Routing plays very influential role in MANETs. In this paper work an attempt has been made to compare the OLSR with GRP routing protocol on the basis of Network load, Delay and Throughput using OPNET. An attempt has also been made to improve the performance of GRP routing protocol by increasing the number of initial floods, effort is to set the new standard routing protocol say IFGRP i.e. Initial flooded Geographic Routing Protocol. This protocol is same as GRP, but little changes are done to make this advance. The comparative study shows that OLSR perform superior than GRP, but IFGRP perform better than OLSR and GRP.

Key Terms: - GRP; MANET; OLSR; OPNET; IFGRP; ROUTING

Full Text: <http://www.ijcsmc.com/docs/papers/July2013/V2I7201366.pdf>