Abstract

In ad-hoc network, mobility is one of major factor. Due to mobility, node performance as well as overall network performance gets affected which creates vulnerabilities in the network. There are several factors affecting for safe and secure working of mobile nodes in ad-hoc network. Regarding this, this paper focused on energy and packet delivery ratio in correspondence with speed of node. For analyzing the same, fuzzy approach is applied for obtained simulated data using ns-2 simulator for getting absolute result.

References

2. Bhavyesh Divecha et. Al “Impact of Node Mobility on MANET Routing Proocols Models”
3. Chonggang Wang,Bo Li, Kazem Sohraby and Yong Peng, An Adaptive Fuzzy-based


7. John Tengviel “The Effect of The number of mobile nodes on varying speeds of MANETS”.


Index Terms

Computer Science Fuzzy Systems

Keywords
ad-hoc, fuzzy, mobility, ns-2, packet delivery ratio.