

A Survey on Various Attacks in Mobile Ad-hoc Network

Mr. Nilesh N. Dangare
M. Tech. BDCOE
nildangare@gmail.com

Mr. R. S. Mangrulkar
Associate Professor, BDCOE
HOD CE Department
rsmangrulkar@gmail.com

Abstract—Mobile Ad-hoc Network (MANET) is infrastructure less multihop network. The work of the MANET is totally depends on the cooperation of the nodes in the network. In MANET each node can acts as a host or routers. Since the nodes in the MANET can enter or leave the network, the MANET should cope up with the topological changes. The security is the major challenging issue in MANET, due to the infrastructure less, dynamic topology, decentralized system and openness nature of the MANET. The mostly existing traditional security algorithms designed for the MANET are not so secure enough, in-efficient and low in detection of any node's misbehavior, so the performance of the network is degraded. In this paper, various attacks have been discussed and to overcome these attacks the existing approaches have been compared.

Keyword: Mobile Ad-hoc Network, Attacks, Trust based routing.