A REVIEW OF VARIOUS ISSUES IN ROUTING AND BROADCASTING METHODS FOR DESIGNING EFFICIENT METHOD IN MOBILE ADHOC NETWORK

B.VINODHINI[1], M.MARIKKANNAN[2] & S.KARTHIK[3]

[1]Assistant Professor, Department of Computer Science and Engineering, SNS College of Technology, Coimbatore – 641 035, Tamilnadu, India

[2]Assistant Professor, Department of Computer Science and Engineering, Institute of Road & Transport Technology, Erode-638 316., Tamilnadu, India

[3]Dean & Professor, Department of Computer Science and Engineering, SNS College of Technology, Coimbatore – 641 035, Tamilnadu, India

ABSTRACT

The MANET (Mobile Ad-hoc Network) is a self-configured, infrastructure-less collection of mobile hosts that forms a temporary network without an aid of centralized administration. Each device in a MANET is free to move independently in any direction within a network, and will therefore change its links to other nodes more frequently. The primary challenge in building a MANET is equipping each device to continuously maintain the information required to properly route traffic. Such networks may operate by themselves or may be connected to the larger Internet. The node acts as a host or router that transforms information from source to destination. In mobile ad-hoc networks where there is no infrastructure support as is the case with wireless networks, and since a destination node might be out of range of a source node transmitting packets, efficient routing procedures are required. The procedure of routing is to find a path to forward the information from one location to another. In this paper, a brief discussion is given for routing and routing protocols along with performance metrics. Also, the analysis is being made for broadcasting approaches in mobile ad-hoc infrastructure.

KEYWORDS: Mobile Ad-hoc Network, Routing, Broadcasting, Mobility Models.