Abstract

Clustering can be used in VANETs to partition the network into smaller groups of moving vehicles embedded with computing and network devices. Each cluster having a cluster head (CH), Gateway (GW) node and junction those are responsible for all management and coordination tasks of its cluster. We have designed algorithm for CH, GW Selection, Packet forwarding & Junction services. This paper presents the developed algorithm to provide Efficient and secure communication to the vehicles that allow drivers to warn other vehicles of potential dangers, and also provide valuable information to specified vehicle.

**Index Terms**

Computer Science

Networks

**Keywords**

Clustering  City map  Junction  Cluster head  Gateway etc.