

## **A Review on Cluster based Routing Protocols in MANET**

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*Abstract* – A Mobile Ad hoc Network (MANET) is an assortment of wireless mobile terminals that are able to dynamically form a temporary network without any aid from immovable infrastructure or centralized administration. In recent years, MANETs are continuing to appeal the attention for their potential use in several fields such as military activities, rescue operations and time-critical applications. In recent years, several routing protocols and Cluster based protocols have been anticipated for mobile ad hoc networks. This survey paper provides an overview of these protocols by presenting their characteristics, functionality, benefits and limitations and then makes their comparative analysis so to scrutinize their performance and compare some of existing works on clustering in MANETs.

*Keywords* – Cluster, MANET, Routing.