

Abstract

Mobile Ad hoc Network which generally known by the acronym MANET, is one of network technology telecommunication based by Mobile Network. MANET itself have developed and have a subset which known by Vehicular Ad Hoc Network which generally known by the VANET, VANET is made to handle fluctuation place node, so the network doesn't have fix topology. Main idea of concept VANET is increase chance of safety, comfortability, and fluency in traffic network are dynamic and tend to doesn't have fix topology and can be changing over the time.

Vanet in implementation is need routing protocol, to get know which protocol is more efficienc for Vanet implementation, then comparative of routing protocol is needed, to get know which routing protocol is suitable for Vanet, then in this final project will compare DYMO routing protocol where it's one of reactive routing protokol and OLSR where it's one of praotive routing protocol, two of these protocol will be compared by doing simulation in ns 2.34 and sumo 0.1.2.3 by changing velocity and number of nodes secenario in two deferent environment that is highway and urban with comparison parameter like average end to end delay, throughput, routing overhead, and packet delivery ratio, for every secenario simulation

Keywords : OLSR , DYMO , highway, urban , VANET