IMPACT: International Journal of Research in Engineering & Technology
ISSN (P): 2347-4599; ISSN (E): 2321-8843
Vol. 6, Issue 01, Jan 2018, 27-32

ANALYZING THE PERFORMANCE OF MANET ROUTING PROTOCOLS BASED ON EVALUATION OF DIFFERENT PARAMETERS

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Received: 24 Dec 2017 **Accepted:** 13 Jan 2018 **Published:** 29 Jan 2018

ABSTRACT

Manet is a self-configuring network with set of independent nodes. Since the wireless network interfaces are limited by its transmission range, multiple hops are needed to transmit data within the network for which a routing protocol is needed. Efficient route establishment is the primary goal of such routing protocols. The main contribution of this paper is to examine two mobile ad-hoc networks reactive routing protocols NCPR and the proposed LPNS and evaluate them based on packet delivery ratio and delay in varying network size, mobility speed and packet size. The simulation is performed using the Network Simulator (NS-2).

KEYWORDS: *Manet Routing, NCPR, LPNS, Delay, Packet Delivery Ratio, Mobility Speed*