



## An Investigation of The Performance Optimized Link State Routing Protocol on the Basis of Mobility Models

### Reviewer 1: --

1. In several sections sentences has spelling and grammar mistakes, which needs to be corrected.
2. In several sections sentences has space problem, which needs to be corrected.
3. Proper sentence construction in several sections to be modified.

Actual	Suggested
protocols enable discovery of route among	protocols enable the discovery of routes among
model which are the Random Waypoint	models which are the Random Waypoint
with minimum efforts have really attracted th	with minimum efforts has attracted the
Redundant path discovers by both nodes with	The redundant path discovers by both nodes with
for the wired network are not applicable to the MANETs	for the wired network does not apply to the MANETs
mechanism that is connected by wireless link any	mechanism that is connected by wireless links any
In [XVI] the author evaluate the performance of network	In [XVI] the author evaluates the performance of the network
of the node was change from 1 to 50 m/s. From	of the node was changed from 1 to 50 m/s. From
The author investigates the results based on packet	The author investigates the results based on the packet
In [XXIII], performance of OLSR and Ad-hoc	In [XXIII], the performance of OLSR and Ad-hoc
Vector (AODV) under effect of starting point and end point	Vector (AODV) under the effect of starting point and endpoint
packet deliver ratio for establishing a short network	packet delivery ratio for establishing a short network
have been purposed to find out performance	have been purposed to find out the performance
In second scenario, the source was mov	In the second scenario, the source was movi
, and the destination was static. In 3 <sup>rd</sup> scenario	and the destination was static. In the 3 <sup>rd</sup> scenario
destination was moving. Similarly, in 4 <sup>th</sup> scenario	destination was moving. Similarly, in the 4 <sup>th</sup> scenario

in first 5 minute, there is no data send or received by	in the first 5 minutes, there is no data send or received by
Result shows that when the source is moving	The result shows that when the source is moving
there is change in the node, the OLSR performed	there is a change in the node, the OLSR performed
protocols are that number of nodes were kept constant	protocols are that number of nodes was kept constant
simulation area was 1500*1500m, mobility model that	the simulation area was 1500*1500m, mobility model that
and pause time were kept between 0 to 30 m/s as minimum	and pause time was kept between 0 to 30 m/s as a minimum
scenario used in case of pause time were 0.75s	scenario used in case of pause time was 0.75s
second case the pause time was 0sec and	the second case the pause time was 0sec and
that in low medium the impact was same on all	that in the low medium the impact was the same on all
proposed by modifying new algorithm	was proposed by modifying the new algorithm
simulation area of 1500 * 1500m <sup>2</sup> with transmission	the simulation area of 1500 * 1500m <sup>2</sup> with a transmission
for movement of nodes was random point	for the movement of nodes were the random point
results that using RPGM mobility model	results that using the RPGM mobility model
As the density of network was increased	As the density of the network was increased
throughput as opposed to OLSR when mobility model	throughput as opposed to OLSR when the mobility model
taken was VBR then AOMDV performed better that	took was VBR then AOMDV performed better than
Routing protocol are those which show	A routing protocol is those which show
the routing table in every router are maintained	the routing table in every router is maintained
from the source to destination, there is a need of routing	from the source to the destination, there is a need for routing
This protocol is used when discovery of route is in necessary	This protocol is used when the discovery of the route is necessary
Reactive Routing Protocol are also known as	Reactive Routing Protocols are also known as
routing protocols has two steps, in the	routing protocols have two steps, in the
discover the route and is called the	discover the route and are called the
stop sending data it will update the route	stops sending data it will update the route

awake when the network need to find the route and is	awake when the network needs to find the route and is
shutdown or some malfunctioning of node etc.	shutdown, or some malfunctioning of the node, etc.
its neighbor latest information about routes	saves its neighbor the latest information about routes
in range of its radio frequency) in its one or many tables	in the range of its radio frequency) in its one or many tables
proactive routing protocol also called table driven	proactive routing protocol is also called table-driven
every change in network topology. Every node	every change in the network topology. Every node
because the sender node already know about	because the sender node already knows about
The hybrid routing protocols has the combine properties	The hybrid routing protocols have the combined properties
It is a new protocol of new era. It has been designed	It is a new protocol for a new era. It has been designed
scalability through working together both the mechanism	scalability through working together with both the mechanism
reactive and proactive protocol. When a destination node is in	reactive and proactive protocol. When a destination node is
radio frequency, means ZRP is than proactive for neighbor	of radiofrequency, means ZRP is than proactive for a neighbor
radio frequency, then it is in reactive form	radiofrequency, then it is in the reactive form
Link state algorithm purpose is to find out the minimum	The link-state algorithm's purpose is to find out the minimum
a network topology and to the all other links. All in information	network topology and all other links. All in the information
are example of link state algorithm	are an example of a link-state algorithm
Each node generates for neighbor a hello message	Each node generates for a neighbor a hello message
The hello message have its own address and gets 1-hop	The hello message has its address and gets a 1-hop
MRP selector collect the scope about the scenario	MRP selectors to collect the scope of the scenario
seconds it contains of sensor MRP selector	seconds it contains sensor MRP selector
networks, MID contains a list of IP address	network, MID contains a list of IP addresses
used and whom communication is to be happened	used and whom communication is to happen
node as a gate way to advertise OLSR	node as a gateway to advertising OLSR
model is considered as mathematical algorithm	model is considered as a mathematical algorithm

designed for the mobile users to model the pattern	designed for mobile users to model the pattern
evaluation performance of system to represent	evaluating the performance of the system to represent
has been classified by [XV] (camp et al., 2002). Following	have been classified by [XV] (camp et al., 2002). The following
This categorized into many other parts	This is categorized into many other parts
Following are the sub models for this group	The following are the sub-models for this group
RWMM is widely used model for the judgement	RWMM is a widely used model for the judgment
the topology of Ad Hoc network becomes	the topology of the Ad Hoc network becomes

#### Comments to Editor :

1. After modifying the content, paper can be accepted for possible publication.

**Reviewer 2: --**

1. Paper should be written in JMCMS Journal format.
2. References and in-text citations are not in JMCMS format. More references should be included and sequentially/adequately arranged, as cited in the text.
3. In many places, sentences are started with abbreviations. When it is introduced for the first time, the full form should be given.
4. Authors need to Modify Abstract and conclusion more appropriately.
5. In section three, sentences end with few numbers of the full stop, which needs to be removed.
6. Conflict of interest regarding article should be mention in the text.

**Comments to Editor :**

1. After modifying the content, paper can be accepted for possible publication.

**Reviewer 3: --**

1. Paper should be written in JMCMS Journal format.
2. References and in-text citations are not in JMCMS format. More references should be included and sequentially/adequately arranged, as cited in the text.
3. Authors need to describe the literature survey in introduction section more elaborately
4. The Abstract and conclusion are needed to be Modified in accordance to fulfill the paper aim.
5. Conflict of interest regarding article should be mention in the text.

**Comments to Editor :**

1. After modifying the content, paper can be accepted for possible publication.

Regards  
Editorial Manager

**[Note: This is a computer-generated Report hence, no need of any Signature.]**