Latest Research Topics on AODV
An Improvement In Scheme For Reducing The Latency Of AODV In Ad Hoc Networks

In this topic, a mechanism for improving the protocol can be provided that will forecast the latency in the route discovery phase and will use an enhanced local repairing technique in the stage of route repairing.
CDRA: Cluster-based Dynamic Routing Approach As A Development Of The AODV In Vehicular Ad-hoc Networks

In this, a cluster-based technique for dynamic routing can be designed in VANETs that can enhance overall network throughput, delivery ratio with less normalized routing load.
AODV Routing Protocol Modification With DQUEUE (DQAODV) For VANET In City Scenarios

In this topic, AODV routing protocol regarding to VANET will be modified with the support of dqueue introduction into the RREQ header. It will show greater In-throughput information of packet transmission.
AODV-PNT: An Improvement In AODV Routing Protocol With Predicting Node Trend In VANET

In this topic, a novel routing protocol will be introduced which is appropriate for VANET communications within the cluster based on AODV: AODV with predicting node trend (AODV-PNT). There can be two major enhancements in AODV-PNT: (1) Routing metric improvements and compute Total Weight of the Route (TWR). (2) Predict node's future TWR and compute stable threshold $W$ in a bid to select a appropriate relay node.
AODV Enhancements In A Realistic VANET Context

Here, various AODV enhancements propositions in the context of VANET can be presented and analyzed which can results significant gains in resource requirement, energy efficiency and entire network performance.
In this topic, AODV as MANET routing protocol can be modified to build it adaptive for VANET. The most significant parameter “direction” can be used to choose next hop during a route discovery stage.
Pro-AODV (Proactive AODV): Simple Modifications To AODV For Proactively Minimizing Congestion In VANETs

In this, a protocol Pro-AODV (Proactive AODV) will be proposed that will use information from the AODV routing table to decrease congestion in VANETs.
An Enhancement To AODV Protocol For Efficient Routing In VANET – A Cluster Based Approach

The performance of AODV can be improved by enhancing the available protocol by generating stable clusters and performing routing by gateway nodes and Cluster Heads.
Improvement In AODV Routing Protocol Based On Restricted Broadcasting By Communication Zones In Large-scale VANET

In this topic, AODV routing protocol can be enhanced depending on restricted broadcasting by communication zones for data transmitting in large-scale VANET. The connectivity performance of the communication zone will be measured using the grey correlation analysis method.
A new data transmitting scheme will be proposed based on enhanced AODV and RSU-assisted forwarding. The introduced scheme can significantly enhance the performance in packet delivery fraction and overhead.
A Novel Neighbor Discovery Method For An Intelligent-AODV In Mobile Ad Hoc Networks

For overcoming the various issues of VANET, a new method in Ad hoc networks based on Intelligent-AODV (I - AODV) will be introduced. This method will function to exploit neighbor discovery and decrease the neighbor discovery processes overhead.
CBAODV: An Enhancement In Reactive Routing Algorithm To Decrease Connection Breakage In VANET

In this topic, an enhancement in reactive routing algorithm to decrease CB can be proposed known as CBAODV depending on AODV. The algorithm will show superior performance with respect to conventional AODV routing algorithm with respect to QoS metrics i.e. end-to-end delay and packet delivery ratio.
An Improvement In AODV Routing Protocol For VANETs In City Scenarios

A routing protocol IAODV (Improved AODV) can be designed that will provide timely and accurate information to drivers in V2V communication in comparison of AODV protocols in city scenarios of vehicular ad hoc networks.
Using Routing Table Flag To Improve Performance Of AODV Routing Protocol For VANETs Environment

By checking the Routing Table Flag (RTF) each node’s condition will be specified. By considering this mode, various acceptable results related to packet delivery ratio, packet loss, throughput and number of received packets can be achieved.
AODV Improvement For Vehicular Networks With Cross Layer Technique And Mobility Prediction

In this article, AODV-CAVM algorithm can be presented which include two mechanisms; first is using a cross-layer technique that computes Channel Availability at the link layer; second is implementing mobility prediction based on neighborhood knowledge then these mechanisms can be applied to modify AODV routing protocol to enhance the communication reliability and latency.
In this topic, cross-layer technique can be designed that computes Channel Availability (CAV) at the link layer and will apply CAV to AODV routing protocol to enhance the communication for vehicle safety applications.
Here, a routing protocol (AODV BD) for vehicular ad hoc networks will be proposed that can improve the Ad hoc On-Demand Distance Vector (AODV) routing protocol by making it reduce the packet delay.
Enhancement Of AODV For Directional Flooding Using Coordinate System

In this topic, AODV protocol based on polar coordinate system will be modified for MANET to make it suitable for VANET. This modified AODV will limit the route discovery mechanism to a limited region by using GPS data like speed, position, and track angle of source and destination node.
Improvement Of Route Stability And Overhead On AODV Routing Protocol And Make It Usable For VANET

Here, AODV protocol can be enhanced for improving the control overheads and builds routes more stable.
M-AODV+: An Extension Of AODV+ Routing Protocol For Supporting Vehicle-to-vehicle Communication In Vehicular Ad Hoc Networks

In this article, an extended version of AODV+ routing protocol for VANETs known as M-AODV+ (Modified AODV+) can be proposed. M-AODV+ routing protocol will support the reliability of vehicle-to-vehicle communication in VANETs.
THANK YOU..!!!!!!

For Any queries contact us at queries@thesissantientist.com