

**DYNAMIC ADAPTIVE ROUTING SCHEMA FOR WIRELESS
OPPORTUNISTIC AD HOC NETWORKS****Wake Priti Nagorao¹, K.M.Rayudu²**¹M.Tech Student, Dept of CSE, Samskruti College of Engineering & Technology, Ghatkesar, R.R Dist, A.P, India²Associate Professor, Dept of CSE, Samskruti College of Engineering & Technology, Ghatkesar, R.R Dist, A.P, India**ABSTRACT:**

Here a new technique is proposed based on the ad hoc network related to the routing based strategy in a well efficient manner by the distribution of the adaptive phenomena related to the wireless multi hop strategy respectively. Here a framework based strategy is designed in a well efficient manner based on the opportunistic phenomena which plays a major role for the implementation oriented aspect where the learning reinforcement takes place in the system based aspect without the knowledge as a major concern related to the efficient routing based strategy where there is a transmission of the packets takes place in a well effective manner respectively. Here in the particular method there is an effective implementation of the system in a well effective fashion which is considered as the strategy related to the optimal based scenario in which the criteria is completely based on the transmission of the packet by the help of the average rated strategy in a well effective manner respectively. Here in the present design oriented technique the scheme of the jointly oriented routing based strategy in context based on the opportunistic scenario where the effective routing based strategy is studied in a well effective manner and the learning issue oriented scheme have been addressed here in a proportionate scenario respectively. Here the transmission based characteristic structure in a well effective analysis scenario where there is an estimation of the probability of the success based strategy has been analyzed in a well effective manner respectively. Here the learning based strategy with respect to the framework based criteria in which there is a scheme where the routing follows the stochastic process here there is an exploiting followed by the exploring of the system with respect to the network based strategy respectively. Experiments have been conducted on the present technique in a well oriented fashion where there is an analysis respect to the performance.

based strategy followed by the entire system based outcome in a well oriented fashion respectively.

Keywords: Routing based on the opportunistic strategy, Statistical analysis, Maximization reward, AD hoc network based on the wireless strategy, Efficient routing respectively.

1. INTRODUCTION

Network based on the ad hoc oriented strategy in a well effective manner in the form of the wireless base strategy plays an efficient role for the effective implementation of the system in a well respective fashion [1]. Now there is a lot of advancement takes place in the routing based strategy in a well efficient manner by the help of the opportunistic strategy in the scenario of the wireless multi hop oriented phenomena plays a major role in its implementation where it is designed in such a manner it is supposed to overcome the problem based on the strategies related to the conventional method respectively [2][3]. Here the solution of the routing based on the classical phenomena which is implemented by the help of the internet oriented strategy in a well effective manner and the data forwarding by the help of the packet based strategy in a well efficient manner related to the convention ad hoc routing of the scenario takes place in the system oriented with the respective fashion. There is problem with respect to the scheme

oriented with fixed path based strategy in which there is an error related to the forwarding of the data in the form of the packet based representation respectively [4][5]. There is a final resultant in the system takes place where there is a retransmission based scenario implementation in the system based strategy in a well effective manner and also the data transmission failure due to the strategy based on the fixed based aspect respectively. Here the decision oriented with the opportunistic based phenomena in a well effective manner in which there is a choosing of the relay takes place by the help of the online mode oriented respective fashion and also the transmission outcome based on the actual strategy in the neighbouring node oriented fashion respectively [7].

2. METHODOLOGY

In this paper a method is designed with a well effective strategy oriented framework in a well effective manner used for the implementation of the system in terms of the performance based strategy

followed by the accurate analysis with respect to the system respectively [8][9]. Here the present designed method is shown in the below figure in the form of the block diagram and explains in the elaborative fashion respectively. Here the present method completely overcome the drawbacks of the several previous methods in a well efficient manner that is in terms of the performance followed by the accurate analysis respectively. There is a huge challenge for the present method where it is implemented by the effective analysis and there is an accurate analysis of the system in a well effective manner followed by the performance based evaluation in a well oriented aspect respectively.

BLOCK DIAGRAM

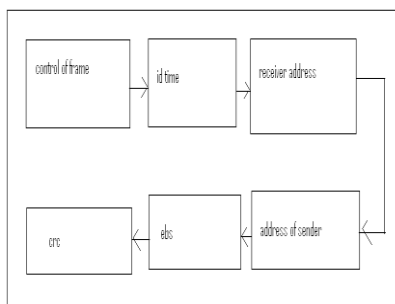


Fig 1: Shows the block diagram of the present method respectively

3. EXPECTED RESULTS

A lot of analysis is made in the present method and a huge number of the computations have been applied on the large number of the data sets in a well oriented fashion respectively. A comparative analysis is made between the present method to that of the several previous methods in a well effective fashion and is shown in the below figure in the form of the graphical representation and explains in a elaborative fashion respectively. There is a huge challenge for the present method where it is supposed to overcome the drawbacks of the several previous methods followed by the accurate analysis of the system in a well oriented fashion respectively.

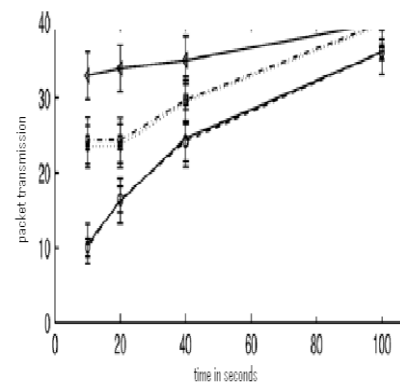


Fig 2: Shows the graphical representation of the present method respectively

4. CONCLUSION

In this paper a method is designed with a well effective framework where it is supposed to improve the performance of the system with respect to the implemented present desired technique in a well respective fashion. Here a technique is proposed based on the d-Adapt OR in a well distributive fashion respectively. Here the design orientation of the algorithm is mainly based on the strategy of the routing based strategy in a well effective manner in which performance oriented opportunistic phenomena takes place in the system in a well oriented scenario respectively. Here the system is oriented with respect to the statistical analysis form of the representation in which here based on the network oriented topology in a well effective manner where there is an knowledge based on the zero oriented phenomena in a well respective manner followed by the performance is based on the strategy of the mean optimal based score representation respectively. Here the system in analysis under the conditions of the ideal strategy where there is an implementation takes place on the routing based topology oriented network based strategy in a well respective fashion by the implementation of the network related analysis respectively. Here we finally conclude that the present method is

effective and efficient in terms of the performance based strategy followed by the accurate outcome in a well oriented fashion respectively.

REFERENCES

- [1] S. Choi and D. Yeung, "Predictive Q-routing: A memory-based reinforcement learning approach to adaptive traffic control," in Proc. NIPS, 1996, pp. 945–951.
- [2] S. Kumar and R. Miikkulainen, "Dual reinforcement Q-routing: An on-line adaptive routing algorithm," in Proc. Smart Eng. Syst., Neural Netw., Fuzzy Logic, Data Mining, Evol. Program., 2000, pp. 231–238.
- [3] S. S. Dhillon and P. Van Mieghem, "Performance analysis of the AntNet algorithm," Comput. Netw., vol. 51, no. 8, pp. 2104–2125, 2007.
- [4] P. Purkayastha and J. S. Baras, "Convergence of Ant routing algorithm via stochastic approximation and optimization," in Proc. IEEE Conf. Decision Control, 2007, pp. 340–354.
- [5] D. P. Bertsekas and J. N. Tsitsiklis, Neuro-Dynamic Programming. Belmont, MA: Athena Scientific, 1996.
- [6] S. Chachulski, M. Jennings, S. Katti, and D. Katabi, "Trading structure for randomness in wireless opportunistic routing," in Proc. ACM SIGCOMM, 2007, pp. 169–180.

[7] M. L. Puterman, Markov Decision Processes: Discrete Stochastic Dynamic Programming. New York: Wiley, 1994.

[8] D. P. Bertsekas and J. N. Tsitsiklis, Parallel and Distributed Computation: Numerical Methods. Belmont, MA: Athena Scientific, 1997.

[9] W. Stallings, Wireless Communications and Networks, 2nd ed. Upper Saddle River, NJ: Prentice-Hall, 2004.