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AN EFFICIENT DESIGN OF GATEWAY BASED WIRELESS NETWORK ORIENTED WI-FI AND ZIGBEE

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ABSTRACT:

There is a huge popularity related to the well effective scenario of the technology oriented with respect opt the module implementation of the well efficient phenomena of the ZIGBEE or the network of the wireless sensor based strategy in a well effective manner respectively. There is a huge research takes place in the system with respect to the implementation of the system in the wireless aspect oriented with the technology of the ZIGBEE module in a well oriented fashion respectively. Here a new technique is presented where related to the design oriented mechanism of the wireless based scenario of the Wi-Fi and ZIGBEE realization in a well efficient manner respectively. Here the implementation of the above system by the design oriented well efficient parameters of the STM32W108 by the level of the chip based phenomena of the frequency under the radio strategy module of the embedding with respect to the Wi-Fi plays a crucial role in its implementation aspect respectively. Here in the communication related to the wireless strategy of the structure of the WLAN plays a crucial role of the PC based communication in a well effective manner with respect to the well efficient analysis of the system of the servers oriented with the network plays as crucial role in its implementation aspect by the help of the AP respectively. Here in the present mechanism oriented analysis where there is a well effective framework designed phenomena where there is a particular scheme of the software followed by the hardware in a well effective fashion with respect to the introduction of the gateway related to the wireless scenario in a well effective manner respectively. There is a improvement in the system by the heavy conducting role of the tasted in a well effective manner and well

oriented with respect to the analysis of the well efficient fashion under the stability condition oriented with respect to the generalized strategy respectively. Experiments have been conducted on the present method and there is a lot of analysis takes place in the system with respect to the large number of the data sets in a well oriented fashion with respect to the different unknown environments and there is an accurate improvement in the system in terms of the performance followed by the outcome of the entire system in a well oriented fashion respectively.

Keywords: Communication of the ZIGBEE, Network of ZIGBEE, Gateway of the wireless strategy, STM32W108 respectively.

1. INTRODUCTION

There is a lot of advancement takes place in the system with respect to the network of the wireless sensor based phenomena where it contains a large number of the devices oriented with the distributed phenomena in a well effective manner followed by the physical monitoring of the cooperative sensors in a well efficient fashion based on the analysis of the different locations of the analysis related to the pressure, Humidity and temperature in a well effective manner respectively [1].

BLOCK DIAGRAM

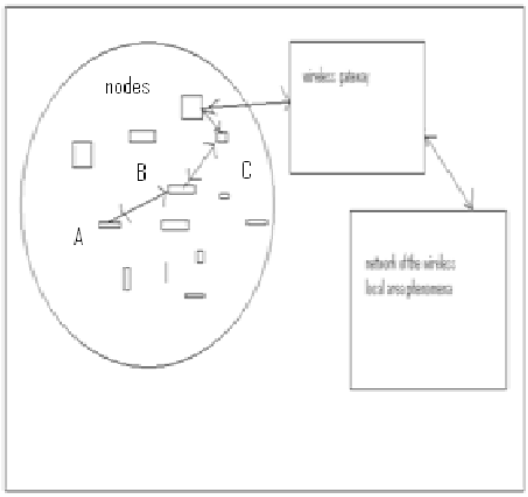

Fig 1: Shows the block diagram of the present method respectively

2. METHODOLOGY

In this paper a method is designed based on the well effective frame work oriented strategy in a well efficient manner respectively [2][3]. Here the implementation of the present technique followed by the analysis oriented aspect

related to the architecture based strategy is shown in the below figure in terms of the block diagram based approach respectively [5][6]. Here the present method completely overcomes the drawbacks of the several previous methods in a well efficient manner respectively. Here the present implemented technique is designed in such a way in which there should be an accurate analysis is made on the lot of the previous methods oriented failures followed by the accurate analysis based aspect in a well efficient manner and improve the performance of the system followed by the improvement in the accurate outcome oriented strategy in a well effective manner respectively [7][8]. Therefore the present designed method is effective and efficient in terms of the performance based strategy followed by the outcome oriented pattern respectively.

3. EXPECTED RESULTS

A lot of analysis has been made between the present methods to that of the several previous methods in a well efficient manner respectively. A comparative analysis is made between the present method to that of the several previous methods and is shown in the below figure in the form of the graphical representation respectively. There is a huge challenge for the present method where it is supposed to implement the technique in a well efficient manner where it is supposed to improve the performance of the present system respectively. There are a number of experiments have been conducted on the large number of the data sets in a well effective manner respectively. There is a huge challenge for the present method where it is supposed to control the degraded performance of the previous methods in a well efficient manner followed by the accurate outcome of the system based aspect towards the accuracy related analysis of the entire system respectively.

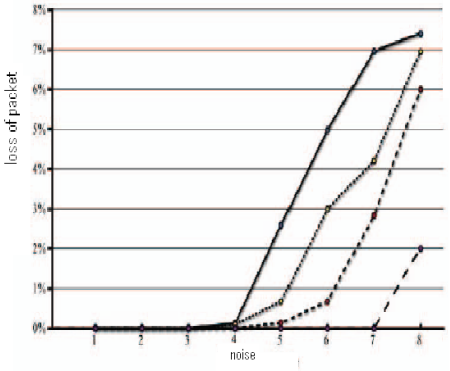

Fig 2: Shows the graphical representation of the present method respectively

4. CONCLUSION

In this paper a method is designed with a well effective framework oriented strategy where there is an implementation of the well efficient powerful technique in which there is an accurate analysis in

terms of the improvement in the performance followed by the outcome of the entire system in a well oriented fashion respectively. Here a system is implemented in a seamless fashion by the well efficient framework oriented analysis where the network oriented with respect to the standard phenomena which is related to the connection orientation of the zigbee oriented with respect of the module of Wi-Fi in a well effective fashion of 380 EMW followed by the chip of the radio frequency implementation of the well respective aspect of the STM32W108 in a well oriented fashion of the gateway related to the strategy of the wireless sensor in a well accurate fashion respectively. Here there is an improvement in the performance of the system in a well effective fashion related to the wireless scenario of the in terms of the performance and as well as the stability in a well effective fashion respectively. Where the implementation of the system takes place by the help of the reliable communication followed by the demand oriented real time strategy followed by the application of the transmitted data of the reduced bandwidth in a well oriented fashion respectively.

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