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WIRELESS VIDEO TRANSMISSION SYSTEM BASED ON COMPRESSED SENSING

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ABSTRACT:

Here the system is oriented with design of the network with the compression of the joint strategy followed by the followed by the control and the correction of the error related to the process of the video by the constrained source of the devices related to the embedded system related to the sensing of the compression in a well oriented fashion respectively. There is a huge challenge for the present design oriented method in which related to the well equipped aspect of the form related to the design of the system based on the cross layer aspect followed by the control of the joint rate of the video encoding plays a crucial role in its aspect related to the channel rate and the transmission coding in a well stipulated fashion by the video quality receiver respectively. Initially the network oriented with the sensor strategy of the wireless scenario in which it is multimedia communication of video encoding plays a major role in its research oriented aspect respectively. Here the above scenario can completely overcome the problem by the implementation of the sensing based on the compression strategy of the network oriented with respect to the video oriented wireless phenomena and the errors are complexity of the encoder followed by the channel error respectively. Here the quality of the video stream oriented with respect to the receiver is by the help of the controller related to the well equipped aspect of the stream of the video oriented maximization is a major concern respectively. Here the controlled strategy may takes place by the help of the rate of sampling is a crucial role in its implementation

respectively.The interpretation of the controller rate can be implemented by the phenomena of the aspect oriented with the maximum iteration with respect to the well knownstrategy of the problem based convex optimization related to the network oriented rate of allocation plays a crucial role in its aspect respectively. Here a new scheme is implemented for the well accurate study and the research based parameters takes place by the help of the detection of the optimal error and the correction related to the transmission of the video channels of the lossy environment respectively. Simulations have been conducted on the present method and a lot of analysis takes place on the system with respect to the well accurate fashion where the improvement takes place by the help of the performance followed by the outcome of the entire system in a well oriented fashion respectively.

Keywords: Video processing, Cloud computing, Wireless sensor network, Multimedia communication, Transmission of the video, Optimization of the network, Congestion control, Video streaming and complexity encoder respectively.

1. INTRODUCTION:

There is a lot of advancement takes place in the system with respect to the data transmission in the form o0f the communication oriented with respect to the multimedia and is in the form of the audio or the images of the video and also in the combines fashion depending on the requirement and the choice of the user in a well stipulated fashion respectively [2]. There isa lot of analysis takes place in the advancement related to the network orientation of the sensor based wireless strategy in which there is a reduced complexity in the form of the less utilization of the infra structure for the reduced power consumption and finally resulting in a reduced amount is a crucial role respectively [1][3].Many of the users are getting attracted to this phenomena for the effective and the reliability followed by the ease of the usage followed by the reduced cost factor for the transmission of the data followed by the user based friendly environment respectively. Many of the companies are companies are completely based on this phenomena for the effective communication over the network based on the wireless strategy based on the

sensor plays a crucial role respectively [4][5]. Here the system is oriented with the organization of the self oriented phenomena in which related to the equipment of the devices relative to the embedded strategy in terms of the real time scenario with the distribution, retrieval and deployment plays a crucial role in the stream of the multimedia sought of applications in a well respective fashion where the sources are of the heterogeneous format respectively [6][7]. There are some of the advanced application takes place in this present scenario with respect to the well effective strategy of the networks oriented with the wireless phenomena plays a crucial role in terms of some of them includes surveillance of the video followed by the retrieval by the help of the subsequent phenomena based on the services of the location respectively.

BLOCK DIAGRAM

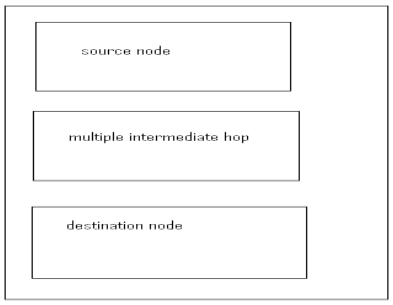

Fig 1: Shows the block diagram of the present method respectively

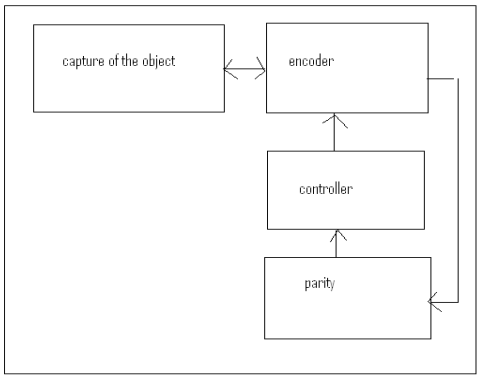

Fig 2: Shows the representation of the control system of CRC respectively

2. METHODOLOGY

In this paper a method is designed with a well effective strategy with an effective framework oriented strategy where it is used for the effective implementation of the system in a well efficient manner [8][9]. Here the present designed method is described by the above block diagram in a well efficient manner which explains in a elaborative fashion respectively. Here the method is effective and efficient in terms of the performance based strategy and completely overcome the drawbacks of the several previous existing techniques and control the performance degradation of the present system based aspect followed by the accurate improve in the overall system in terms of the analysis [10]. Here in the present designed method there is an

effective study of the problem related to the load unbalancing oriented strategy in a well effective fashion takes place followed by the system based on the distributed phenomena plays a major role in the implementation analysis oriented efficient fashion. It is mainly applied for the purpose of the data integration related to the large scale oriented strategy in a well effective manner related to the computations of the cloud oriented strategy in a well efficient manner respectively. Here the main and the primary objective of the system is the proper allocation of the data based on the aspects of the chunks oriented phenomena plays a vital role followed by the nodes respective fashion where there is an accurate process of the data and the functionality of the nodes is done by the help of the effective analysis respectively. Here we conclude that the present system is effective and efficient in terms of the performance based criteria followed by the accurate analysis with overall system perspective.

3. EXPECTED RESULTS

A lot of investigation has been done on the present method where a number of computations has been applies on the large number of the data sets in different unknown environments in a well respective fashion takes place. A comparative analysis is made between the present method to that of the several existing technique with respect to the performance analysis based criteria is displayed in the brief diagram in the form of the below graphical representation respectively. Here the present method is effective and efficient in terms of the performance based strategy followed by the accuracy in the analysis in a very respective fashion. Here the present method is implemented in order to overcome the drawbacks of the several previous existing techniques in a well effective manner.

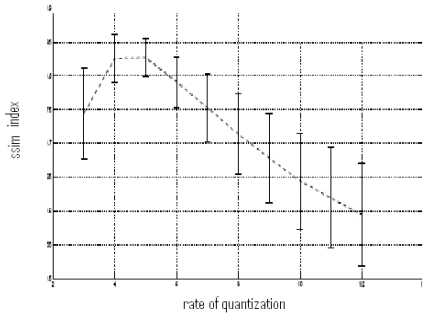

Fig 3: Shows the graphical representation of the present method respectively

4. CONCLUSION

In this paper a new technique is proposed in which there is a lot of advancement takes place in the proposed

method in which relative to the improvement in the performance followed by the outcome of the entire system in a well accurate fashion respectively. Here a new technique is proposed based on the phenomena of the sensing of the compressed data related to the transmission system oriented with the video in the aspect of the wireless based environment in a well oriented aspect respectively. Here in the present scenario there is an integration of some of the components takes place with respect to the well efficient analysis of the distributed controller rate, encoder of the video and encoding channel of the adaptive parity takes place in the system in a well efficient fashion respectively. Where it is highly advanced related to the scenario of the sense of the video compression followed by the video oriented high quality provision in a well respective fashion takes place in the system with respect to the low complexity receiver based sensor video node in a well stipulated fashion respectively. Here the implementation of the controller rate is due to the well iterative solution of the gradient descent in a well equipped manner followed by the problem optimization of the optimal rate allocation plays a major role respectively. There is a huge analysis takes place in the system with respect to the system oriented implementation of the C-DMRC in a well effective manner in which there is an improvement in the performance of the strategy oriented with respect to the quality of the video in addition to this load oriented network based strategy is a major concern respectively. Here we finally conclude that the present method is effective and efficient in terms of the performance followed by the outcome in a well oriented fashion respectively.

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