

**PERFORMANCE OF FEC DECODING FOR MANAGING DATA ERRORS****V.Koteswararao Puppala¹, A.Pavan Kumar², A.Ravikumar³**¹M.Tech Student, Dept of CSE, SSJ Engineering College, Hyderabad, T.S, India²Assistant Professor, Dept of CSE, SSJ Engineering College, Hyderabad, T.S, India³Head of the Department, Dept of CSE, SSJ Engineering College, Hyderabad, T.S, India**ABSTRACT:**

Here the design of the system under the aspect of the communication based strategy under which it is related to the wireless basis where the transmission of the data under the protocol of the IS54 where the data rates includes in an enhanced fashion under the well effective strategy of the evolution of the GSM based module of the design of the specification plays a major role in terms of the EDGE based techniques under the interoperability of the world wide strategy by the access of the micro wave phenomena under the evolution of the terminal basis which plays a crucial role by the integrated parity check of the low density and the following convolution of the biting tail and the relative correcting codes of the error based forwards transmission by the proper analysis of the verification of the data related to the parity is a major concern under the environmental constraints of the channel based overhead followed by the well effective design base specification of the data respectively. Here a new technique is proposed under which there is a design based parameter which plays a major role in its analysis point of view followed by the codes based on the decoding strategy is a major concern respectively. Here there are a lot of approaches take place in the system related to the decoding of the system based analysis based aspect under which there is a variation in the architecture of the hardware plays a crucial role in its implementation oriented scenario respectively. There is a lot of work take place in the system in the form of the design based specification of the under the system of the wireless environment

where there is an integrity of the decoder based universal introduction under the scenario of the well effective code based handling plays a crucial role in its application based perspective respectively. There is a proper exploitation of the work under which there is a representation of the matrix related to the strategy of the parity check plays a crucial role in its application based perspective where the involvement of the decoding based enabling strategy under the well effective design oriented scenario of the effective implementation of the algorithm of the propagation of the belief plays a crucial role in its application based perspective in a well oriented fashion respectively. Simulations have been conducted on the present method where the analysis of the system takes place by the help of the design of the well effective mechanism of the communication based aspect under the well efficient strategy of the wireless basis is a major concern respectively.

KEY WORDS: Codes based correcting error, evolution of the long term strategy, evolution of the module of the GSM, Technique of the EDGE, access of the WIMAX, parity check of the low density oriented strategy and convolution of the tail biting phenomena respectively.

1. INTRODUCTION:

There is a huge amount of the research takes place on the system in terms of the design based specification of the algorithms related to the known specification of the strategy of the design based constraints under the well effective strategy of the codes of the convolution plays a crucial role in its interoperability followed by the design oriented specification is a major concern respectively [1]. Here the analysis of the system under which it includes the calculation of the system and plays a crucial

role in its design based parameters in a well respective manner followed by the error based pattern recognition by the following calculation of the design of the system in terms of the algebraically oriented scenario respectively. Here the representation of the system takes place in a well effective manner by the help of the design based algorithms of the VITERBI and MAP is a major concern in its analysis based perspective and plays a crucial role in its operating analysis respectively [2][3]. Here there are a large number of the previous existing technique under which it is related

to the specification of the design based parameters of the third principle based decoding, decoding by the help of the iteration which was implemented on the work based strategy of the pioneering tanner's based aspect is a major concern respectively. Here the general design oriented framework of the system based specification under which it includes the well effective scenario of the analysis based perspective offered by the well stipulated specifications of the representation of the analysis in terms of the graphical manner under which it is related to the bipartite based description of the variant codes of the LDPC is a major concern [4][5]. Here this complete implementation of the system plays a crucial role in its analysis based perspective under which it is relative to the design of the algorithm of the propagation based belief is a major concern respectively [6][7]. Here the codes of the blocks are analogous to that of the codes relevant to the design of the parameters of the convolution manner respectively. Here the trllis based principle is truncated then there is a representation of the code based convolution is a major concern under the corresponding path of the trelli's where the further creation

of the depth based consideration in a well efficient manner respectively.

BLOCK DIAGRAM

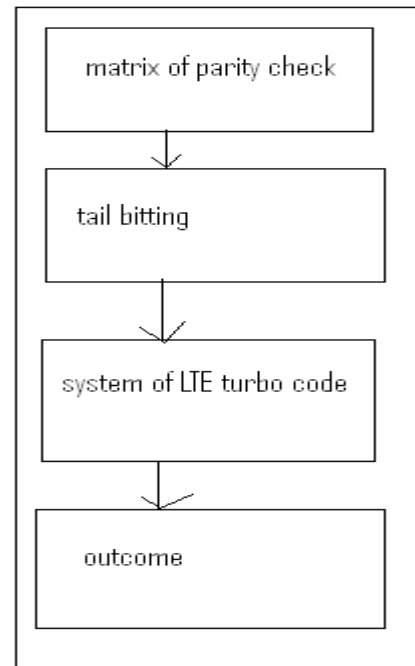


Fig 1: Shows the block diagram of the present method respectively

2. METHODOLOGY:

In this paper a new technique is proposed under which there is a well effective design based constraints where it is implemented on the basis of the codes of the convolution followed by the well effective communication oriented transmission plays a crucial role in a well effective manner respectively. Here the design specification of the present method is shown by the help

of the above figure in the form of the block diagram and is explained in an elaborative fashion respectively [8]. Here the codes of the convolution and its study based aspect was first developed on the basis of the correcting error based binary codes where there is a relativeness in the system based approach under which it was implemented in the year 1955 by the help of the ELIAS respectively. There is a large amount of the applications take place in the system and plays a crucial role in its implementation and the design based specification in a well effective manner under the effective and the proper analysis of the system based consideration respectively [9][10]. Here the code based on the strategy of the convolution in which it related to the biting of the tail where the representation of the codes in the form of the sequences and there is an intermediary conversion plays a major role in its analysis based perspective respectively. There are design based specification includes the large amount of the algorithms under which it includes the scenario of the tail biting based decoding strategy of the codes oriented conventional basis where the design of the system and the analysis is implemented from the back end by the help of the VITERBI and MAP

algorithms in a well efficient manner respectively.

3. EXPECTED RESULTS:

Here the design of the well effective system under which there is an analysis of the strategy of the WIMAX based mechanism where it includes the code of the convolution related to the biting of the tail plays a crucial role in its where the data based transmission in the form of the binary fashion with respect to the parameters of the algorithm of the BP under the channel based perspective of the AWGN is a major concern respectively. Here we finally conclude that the design of the present method is effective and efficient in terms of the improvement in the performance followed by the outcome of the entire system in a well oriented fashion respectively.

4. CONCLUSION:

In this paper a new mechanism of the form under which there is a comparison takes place in the direct manner of the implementation of the algorithms relate dot the various decoding strategy is a major

concern and plays a crucial role in its analysis point of view respectively.

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