

**INTELLIGENT VEHICLE MONITORING AND INTERPRETING USING
EMBEDDED SYSTEM****Yuvraj Natha Walimbe¹, B.Naveena²**¹M.Tech Student, Dept of ECE, Vidya Vikas Institute of Technology, Chevella, R.R Dist, T.S, India²Assistant Professor, Dept of ECE, Vidya Vikas Institute of Technology, Chevella, R.R Dist, T.S, India**ABSTRACT:**

Here the present system is designed based on the information of the system and its recording abilities and the data includes engine oriented temperature, speed of the vehicle followed by the motion etc. Here the following data capturing takes place in the system for the propose investigation at the time of the occurrence of the faults respectively. It is integrated by the technology of the GSM and the GPS for the accurate mapping of the vehicle in the form of the tracking followed by the alert of the accident plays a crucial role respectively. Here the design oriented strategy by the technology of the embedded systems plays a crucial role and helps in the development of the practical analysis in a well oriented fashion in the day to day life. Implementation of the task by the help of the design oriented features of the system is termed as the embedded systems respectively. And some of the task in the daily life is TV control, Washing machine control, Cell phone access etc. Here the embedded strategy is completely based on the logic oriented phenomena in which it includes the micro controller followed by the micro processor respectively. Here micro controller plays a crucial role in the system in terms of the implementation and the storage followed by the features of the interfacing of the external modules and so on. Simulations have been conducted on the present method where there is a lot of analysis takes place in the system. Here the experiments have been conducted on the large number of the test beds where the evaluations are accurate and as compared to that of the several previous methods in a well oriented fashion respectively.

Keywords: *Information data, Speed of the vehicle, Embedded technology, Accident investigation, GSM, System interface and Microcontroller respectively.*

1. INTRODUCTION:

The recorder of the event data is also termed as the black box where the vehicle information recording takes place in the system. Here the aspects of the recording in the form of the data and it includes some of the stored features are the engine temperature, distance travelled, fuel level status, Information of the location and so on. Here simply the process or the functionality of the data recorder or the black box is to completely analyze the behavior of the vehicle and provides the complete information depending on the requirement without any error respectively[1][10]. Here the data is provided in the form of the collective basis in the form of the statistical approach in the cumulative basis where in order to control and to take the measure in terms of the improvement oriented analysis point of view respectively. These are mainly taken into the consideration for the safety based improvement followed by the and the continuous tracking and monitoring of the vehicle and the analysis point of view respectively.

BLOCK DIAGRAM

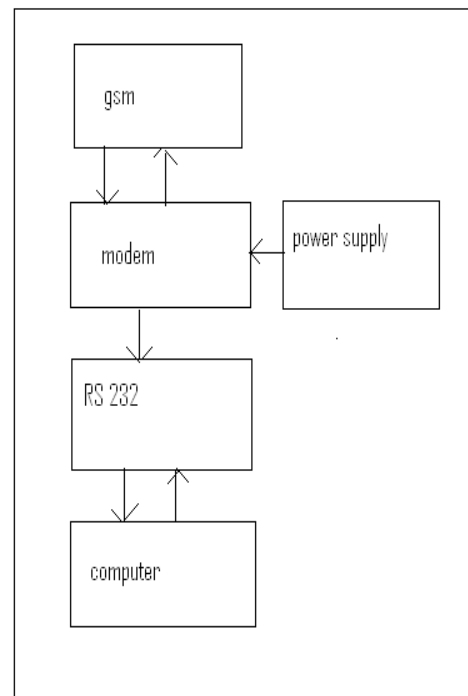


Fig 1: Shows the block diagram of the GSM module

2. METHODOLOGY

In this paper a new technique is presented in which it completely overcome the drawback of the several previous methods in a well oriented fashion respectively[2]. Here the implementation of the present method is shown in the above block diagram and the schematic diagram in a well summarized

fashion respectively. Here the proposed system is mainly related to the design of the black box in which it includes the scenario of the integration of the economic and the technical aspects respectively[4][5]. Here it completely explains the recording procedure of the information in a well equipped fashion without any error and the information of the vehicles includes in the form of the data speed of the vehicles, temperature of the vehicle followed by the level of the availability of the fuel in a well oriented fashion respectively[7]. And finally it plays a crucial role in the monitoring and the tracking of the vehicles by the integration of the or the help of the GSM and the GPS based navigation strategy in a well effective manner respectively.

3. EXPECTED RESULTS

Here the present method is accurate in terms of the implementation and the analysis point of view where the complete tracking of the object that is the vehicle followed by the monitoring of the vehicle in a well efficient manner by the help of the GSM and GPS navigation strategies respectively. One of the most important features of the design of the black box is it completely stores the data of the vehicles and provides whenever it is

necessary depending on the requirement for the further process of the investigation respectively. Here the present method is designed based on the drawbacks of the several previous methods where it completely analyzed the problems of the several previous methods in each and every aspect in a well accurate fashion followed by the modification of the each and every problem in each and every step plays a crucial role for the success of the present method. Here we finally conclude that the present method is effective and efficient in terms of the performance and the outcome oriented analysis in couple if the process includes the monitoring and tracking followed by the data analysis nothing but the accurate storage of the information in the form of the data in terms of the temperature, speed or the velocity etc.

4. CONCLUSION

Here in the present method a new technique is designed by the algorithm of the black box in which it is well effective and efficient in terms of the data analysis followed by the tracking and monitoring and also the collection of the data of the vehicle based aspect in a well oriented fashion. Here the major aspects of the proposed methods

includes the performance control of the driver provision of the reports based on the management key, the improvement in the control system of the traffic followed by the Methodology of the driving is a major concern for the security oriented aspect of the vehicles respectively.

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[10] Internal memos among Diebold programmers. The exact origin of this set of memos is not known yet. The memos were leaked to Harris on Sept. 5, 2003, and from there were propagated around the Internet. Diebold acknowledged ownership of the memos in litigation with the Online Policy Group.