**Literature survey**

**Paper[1]:**

IOT is getting upgraded day by day simultaneously its security is also upgraded. In this proposed system, we are mainly focusing on child remote monitoring system also we are using the radar devices as well as obstacle sensors which will detect the alert when the child enters the danger zone or else he/she is approaching towards harmful object then alert will be given to the caretaker through the mobile using an alarm or notification. For sensing purpose we are using Waterproof Ultrasonic Obstacle Sensor which are placed in the simple locket that is given to the baby so that locket will give alert to the caretaker through the mobile and for battery backup we are using solar panel through which the energy will get stored in the care taker’s shoes and this energy will be dependent on the steps covered by the care taker

**Paper[2]:**

 IoT is becoming very relevant and getting popular in the field of medical diagnosis nowadays. In this paper, we are bound to limelight in this field which focuses briefly over the child health monitoring. In this work, we implemented a smart and secure health care monitor application that personify the monitoring of total health and mind status of the children. As part of which we are adopting the use of wireless sensors that will keep the child to get monitored. Our system enables the child to get involved with some android games which will make him/her to think and act dynamically. The game scores and the sensor readings obtained from the child will be monitored and analyzed by the system and actions will be taken accordingly. Since the data generated by the system are humongous, we adopt Hadoop in the background to effectively map the data and to reduce it into elementary. As this data need confidentiality in transmission, Apache Ranger is being used for the secure transmission and for the classification of the child behavior, C4.5 decision algorithm is used in the system. While testing with the medical dataset, C4.5 proved to be more accurate than ID3 algorithm.

**Paper[3]:**

In real world, the children safety is a huge question mark in everyone's mind. Parents always expect their children should live in a secured place where they can spend their time and mind without any problem. But, typically half of them are facing so many issues. This issue can be monitored by using IoT components and sensors to check in the child environment whether people with unaccepted behavior are moving. If children close with them, then the system has to give an alert message that someone stands with the child. By tracing the locations of the children, the parents can able locate where the problem is and how they can help the child from such issues. The Alcohol and Smoke Gas Sensor are recommended along with Blood Pressure sensor to check whether the child in any abnormal conditions

**Paper[4]:**

In this paper, we present the design and implementation of a comprehensive low-cost system based on IoT that allows schools, parents, and authorities to track the movement of children while in school buses or being transported in private vehicles in real time. The system is based on off-the-shelf passive RFID readers that are installed within buses, next to bus stations, and pick-up points at school entrances. We have implemented the system as an application connected to a MySQL database deployed over the Heroku’s versatile cloud platform.

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