LITERATURE SURVEY

1. Smart IOT Device for Child Safety and Tracking

Author : M Nandini Priyanka, S Murugan, K N H Srinivas, T D S Sarveswararao, E Kusuma Kumari.

https://www.ijitee.org/wp-content/uploads/papers/v8i8/H6836068819.pdf

Child safety and tracking is a major concern as the more number of crimes on children are reported nowadays. With this motivation, a smart IoT device for child safety and tracking is developed to help the parents to locate and monitor their children. The system is developed using Link It ONE board programmed in embedded C and interfaced with temperature, heartbeat, touch sensors and also GPS, GSM & digital camera modules. The novelty of the work is that the system automatically alerts the parent/caretaker by sending SMS, when immediate attention is required for the child during emergency. The parameters such as touch, temperature &heartbeat of the child re used for parametric analysis and results are plotted for the same.

2. Monitoring and Prevention of Child Abuse Using IoT

Authors: Mrs. P Chitra, Aarthi S, Anitha K, Angammal R, Abinaya D

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The word future has a similar meaning to the word children. Today's children are tomorrow's youngsters, and it is vital to preserve their dreams and lives for the future, as Dr. A.PJ. Abdul Kalam said, "Youngsters are the future pillars of one's nation". As a result, every parent should look after their own children. Without allowing them to descend into the abyss of abuse. In today's global computing environment, child and female harassment, chain snatchings, kidnappings, sexual harassments, eve teasing, and other forms of abuse are on the rise, making people feel more scared and powerless.

3. Child Safety & Tracking Management System

Author : Aditi Gupta , Vibhor Hari

https://ieeexplore.ieee.org/document/7546695

Today, technology is growing rapidly and providing all essential and effective solutions for every requirement. Now a day's child security is an important

area of concern. This model is developed to rectify the worries of parent regarding their child security. In this scenario, our system ensures maximum security and ensures live tracking for their kids because parent worries are genuine. This paper proposed a model for child safety through smart phones that provides the option to track the location of their children as well as in case of emergency children is able to send a quick message and its current location via Short Message services. This proposed system is validated by testing on the Android platform.

4.Wearable Safety Device for Children

Authors: Mr. Ragavendrachar S, Sunaina Nayak, Vishnupriya D, Ruba Abdul Rahman, Krithika K N

Attacks on children have been on the rise at an unprecedented rate in recent years, with victims finding themselves in perilous situations with little chances of contacting their families. The main goal of this project is to create a smart wearable device for children that uses advanced technology to ensure their safety. As a result, this strategy is perceived as sending and SMS from the children's wearable to their parents or guardians. This project employs cutting-edge technology to protect the youngster through the use of a GSM module, ensuring that the child does not feel abandoned while dealing with such social issues. An Arduino Nano, GSM, GPS, temperature sensor, heartbeat sensor, and a panic button will be included in the wearable. The heartbeat sensor detects the child's heart rate and delivers it to the guardian on regular basis. If the child falls suddenly, the accelerometer detects it and alerts the parents. As a result, the parent has a sense of security.

5. IoT Based Smart Security and Safety System for Women and Children

Author: K.Srinivasan, T.Navaneetha, R.Nivetha, K.Mithun Sugadev

Now a Days, women and children are facing various issues like sexual assault. Such violence will definitely have huge impact on the lives of victim. It also affects their health and their psychological balance. These kinds of violence keep on increasing day by day. Even school children are kidnapped and sexually abused. We are living in a society where a nine months old girl child doesn't have security, the child was kidnapped, raped and then murdered. On witnessing those violations against women, its impulses us to do something for women and children safety. So, in this project we have

planned to propose a device which will act as a tool to provide security and ensures the safety to the women and the children. Microcontroller, GSM and GPS module are used to send notifications and current location of women to various mobile numbers in their contact. In addition, this project will also act as a safety measure which will stun the opposition for few seconds. This project will help us to rescue many women and children from those fiendish in the society.