

LITERATURE SURVEY

Title: Child Safety wearable device

Abstract:

This paper discusses the concept of a smart wearable device for little children. The major advantage of this wearable over other wearable is that it can be used in any cell phone. The purpose of this device is to help parents locate their children with ease. The focus of this paper is to have an SMS text enabled communication medium between the child's wearable and the parent as the environment for GSM mobile communication is almost present everywhere. The parent can send a text with specific keywords such as "LOCATION" "TEMPERATURE" "UV" "SOS" "BUZZ", etc., the wearable device will reply back with a text containing the real time accurate location of the child which upon tapping will provide directions to the child's location on Google maps app and will also provide the surrounding temperature, UV radiation index so that the parents can keep track if the temperature or UV radiation is not suitable for the child. The secondary measure used in this project is the people present in the surrounding of the child who could instantly react for the child's safety till the parents arrive or they could contact the parents and help locate them.

Title: Wearable safety device for children

Abstract:

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 an 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 a 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.

Title: Safety Device for Children Using IoT and Deep Learning Techniques

Abstract:

The safety and security of children is a major problem in the current era. The children are too young to take care of themselves. We cannot always monitor the children in school, play area, and outside place. In this paper, we discuss the concept of child safety device based on Internet of things. The aim of this device is to provide safety to the child by allowing the parent to locate the child and view their surroundings. This device can be used to monitor the temperature and motion of the child. If any problem persists, the GSM mobile communication module automatically sends a text message to the parent as SMS. The other features of the device are emergency light and alarm buzzer which are activated when the button is pressed by the child in a distress situation to seek the attention of the bystanders. The accelerometer and vibration sensors are used to detect the motion of the child. The camera is used to capture the environment of the child. The image taken is processed using convolutional neural network (CNN) which predicts the background like play area, railway station, beach, road, or classroom. The GPS module is used to record current location of the device which is used to track the device if the child is missing. Hence, this device provides a security cover to the child in today's time.

Title: Smart security for child safety

Abstract:

As of late numerous instances of missing youngsters is expanded. Kid's wellbeing has dependably been a basic issue. Most guardians think about their kid's wellbeing. Indeed, even in the 21st century where the innovation is quickly developing and new contraptions were produced yet at the same time kids are confronting issues yet Parents dependably stress over the likelihood of capturing of their youngsters., For these issues our paper expect to outline and build up a Smart Wearable GPS gadget unit with Smart Android App which will track the situation of the appended kid and furthermore to screen tyke every last action and Irregular Attacks. The framework comprises of two gadgets in this undertaking. One is the brilliant gadget informal ID for child's and changes the first style of unofficial ID at that point plan some example for youngsters and put a few sensors in it. The sensors will distinguish kids' status at that point sent to the Parent. Additionally, make an etched light to show youngsters' data. These gadgets screen kids status as well as can be a Spangle at home. Etched Wireless Lamp can be set at home or guardians' office. Guardians can knows their kids' information by investigate etched light Or they can check these data on Mobile application The fundamental approach is to imply moment area and a sorrow message to the cops and enrolled number like guardians, relatives and so on. Subsequently this paper goes for furnishing guardians with a suspicion that all is well and good for their kid in the present time.

Title: IoT Based Smart Security and Safety System for Women and Children

Abstract:

Now a days, women and children are facing various issues like sexual assaults. Such violence will 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, it impels 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 of 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.

Title: Child Safety Application

Abstract:

These Days parents are worried about their children's so they want a complete track of them and monitor them all the time, this is physically not possible so we introduce Safety Monitoring system which is helpful for monitoring or last geo location of the child and their activities from anywhere in the world. The major issue of child missing can be solved with the help of child tracking system as well as parents who need to keep a track of their every step, this system plays a vital role. The android application uses google geo and SMS, email services to locate their child's location. This application help to send Sos message for the parents the major advantage of this feature. This application sends all the data from the child's phone to the server and from the server to the parent's phone when Sos button trigger manually. Parent where they can get geo location when Sos trigger from children and other is the Child Part.