

LITERATURE SURVEY

1.'Child Tracking SystemFairuz' a review of literature Rauf,Gothiswary Subramaniam,Zuraidy Adnan -2018

Child tracking system is an app that can track and monitor the child location. The aim of the project is to create a system to allow the parents to keep track of their kids when their child is out of their view. However, with the child tracking system the parent can track and monitor their child location in just a simple app when the parent is in office. A study on few existing tracking system have been done to gather the information and existing problem. Methodology applied in this project is Rational Unified Process (RUP) model. Data collection method which are questionnaire and interview also conducted to gather the user requirements and needs for the system. The result have been analysed based on user responses. Most of the user (parents) agree and looking forward the system to be implemented.

2.'IoT-based Child Security Monitoring System : a review of Lai Yi Heng,Intan Farahana Binti Kamsin -2021

Nowadays, crime rate associated with children keeps increasing due to which draws peoples' attention regarding child safety. This research is conducted to propose a child security smart band utilizing IoT technology. Online questionnaire and semi-structured interview are methodologies used to collect data. The online questionnaire gains feedbacks by sending questions electronically, where answers need to be submitted online. In the semi structured interview, researcher meets and asks respondents some predetermined questions while other being asked are not planned in advanced. Through information obtained, a smart band have been proposed to monitor the safety of children. By this, parents know what is happening remotely and can take actions if something goes wrong. The future improvements of this device will be adding functions and software to make it works like a phone such as messaging, gallery, Google, YouTube, meanwhile, adding more child security features so that child safety is guaranteed.

3.IoT Based Smart Gadget for Child Safety and Tracking : a review of N. Manjunatha,H.M.Jayashree,N.Komal,-2020

This paper is mainly streamed towards child safety solutions by developing a gadget which can be tracked via its GPS locations and also a panic button on gadget is provided to alert the parent via GSM module calling for help. Parental android app is developed to manage and track the device anytime. Smart gadget device is always connected to parental phone which can receive and make phone calls and also receive SMS on gadget via GSM module, also a wireless technology is implemented on device which is useful to bound the device within a region of monitoring range, if device is moving out of monitoring range then an alert will be triggered on binding gadget, this helps you keep a virtual eye on child. Health monitoring system on gadget checking for parameters like heart beat/pulse rate and temperature is included which can be monitored on parental app. Gadget also monitors whether it is plugged on hand or not using contact switch and alert the parent as soon as it is unplugged.

4.Child Safety Monitoring System Based on IoT :a review of N.Senthamilarasi,N.Divya Bharathi,D.Ezhilarasi -2019

The overall percentage of child abuse cases filed nowadays in the world is about 80%, out of which 74% are girl children and the rest are boys. For every 40 seconds, a child goes missing in this world. Children are the backbone of one's nation, if the future of children was affected, it would impact the entire growth of that nation. Due to the abuse cases, the emotional and mental stability of the children gets affected which in turn ruins their career and future. These innocent children are not responsible for what happens to them. So, parents are responsible for taking care of their own children. But, due to economic condition and aims to focus on their child's future and career, parents are forced to crave for money. Hence, it becomes difficult to cling on to their children all the time. In our system, we provide an environment where this problem can be resolved in an efficient manner. It makes parents to easily monitor their children in real time just like staying beside them as well as focusing on their own career without any manual intervention.

5.A STUDY ON WEARABLE DEVICES FOR THE SAFETY AND SECURITY OF A GIRL CHILD AND WOMEN :a review of P. Nandhini, K. Moorthi -2018

Child and Women play vital roles in our society from their birth to the end of life. In the past few years, crime against child and women has increased to a great extent. They are facing many security related problems. We can hear the news of women harassment than their achievements. Trafficking in women and children is one of the worst abuses of human rights.

But it is very difficult to estimate the scale of the phenomenon as trafficking is closely related to child labour, bonded labour, child marriage, kidnapping and abduction and prostitution even though these phenomena can exist also independent of trafficking. In such situations, they are helpless and don't have any way to protect them or inform it to their family members, neighbours or police station and they feel as handicaps. In order to overcome such problems several apps and smart security systems like armband, bracelet, jacket, smart toy, smart watch and wristband are being implemented for both child and women. This survey paper covers various techniques and systems proposed by the various researchers and analyse the merits and demerits of those systems. By overcoming the drawbacks of the existing systems, we proposed a new system based on IOT.