LITERATURE SURVEY

IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION

CHILD SAFETY MONITORING SYSTEM BASED ON IOT

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The overall percentage of child abusements 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 abusements, 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.

SMART AND SECURE IoT BASED CHILD MONITORING SYSTEM

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IoT is the vast area which is getting upgraded in the field of security as well as in the field of industry. In the field of security the IOT also plays an important role for the child's safety. To overcome the problems of guardians we have used the radar sensors and the obstacle sensors for identifying the child problem and for maintaining his safety. In this proposed system we have worked on child safety where we have detected the danger zone in which the child enters and the signals or alarm buzzers are given to the guardians.

IOT BASED CHILD SAFETY MANAGEMENT USING SYSTEM USING RASPBERRY PI AND RFID TECHNOLOGY

AUTHORS:Senthil Kumar Murugesan, Javeed Md

Sree Dattha Group of Educational Institutions, Rajeev Srivastava

The children safety and security is more and most important one to build a best and powerful nation. Hence, the children security policies must strengthen to save the children from any problems. In that perspective, many technologies are deployed and devices are made to ensure the safety zone of the children. To improve the security services here, in this paper a system for children's safety is proposed for safety purpose. We developed an IOT based child safety using Raspberry Pi. Student shaving a RFID based cards which used for authentication. Whenever student enters in school bus, the system designed sends a message notification to parents and respective teacher.

IOT BASED CHILD SAFETY MANAGEMENT USING RASPBERRY PI AND RFID TECHNOLOGY

December 2020IOP Conference Series Materials Science and Engineering 981(4):042079

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The protection and welfare of children is becoming more necessary to create a society that is greater and stronger. Therefore, the protection measures of kids must be strengthened to eliminate difficulties for kids. With this in mind, several tools and systems are employed to maintain the child's safety environment. Improving intelligence agencies in this field, in this paper a system for children's safety is proposed for children safety purpose. We develop an IoT based child safety using raspberry. Students having a RFID based cards which used for authentication. Whenever student enters in school bus the Raspberry sends a message notification to parents and the principal.

IOT-BASED SAFETY BAND

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In book: Smart Data Intelligence (pp.23-32)

Women nowadays do not feel safe, either inside or outside of their homes. The crime rate is high, and accidents happen on every other route for various reasons. As a result, we proposed the idea of a safety band to help women and victims in critical situations. Given the circumstances, we devised a method for a woman to obtain administrative assistance on time. The Bluetooth module will help to connect hardware with software. We used a band for hardware and a mobile software application. Our technology will help women who have been sexually harassed, as well as victims of accidents or other crises, by tracking and communicating their real-time location, to the family and the police via Short Message Service (SMS) using the Global System for Mobile Communications (GSM) module and Global Positioning System (GPS) module while the victim is in the process of being tracked. Our method helps them remember the coordinates of where they pressed the push button. All data will be stored on Firebase and analyzed before reporting to law enforcement and government agencies. Based

on the investigation's findings, the police may take further actions to help the victims.

PROTOTYPE FOR A PERSONAL SAFETY GADGET USING ARDUINO UNO

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Personal safety has grown to become one of the most important requirements in today's world where children are abducted, women are threatened, and senior citizens manipulated. Increase in usage of technology and smart electronics provides an opportunity for a simple cost-effective safety gadget that helps the victims during unforeseen dangers. A successful attempt has been made to design and implement a prototype for an electronic gadget which has the potential to serve as a safety wear in the coming years. This paper covers descriptive details about the procedure, implementation, testing and results that were obtained. It also outlines the plans regarding the future plan and its potential release in the market. The design is microcontroller oriented…

REFERENCES:

[1]CHILD SAFETY MONITORING SYSTEM BASED ON IOT

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[2] SMART AND SECURE IoT BASED CHILD MONITORING SYSTEM

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[3]IOT BASED CHILD SAFETY MANAGEMENT USING SYSTEM USING RASPBERRY PI AND RFID TECHNOLOGY

AUTHORS:Senthil Kumar Murugesan, Javeed Md Sree Dattha Group of Educational Institutions, Rajeev Srivastava

[4]IOT BASED CHILD SAFETY MANAGEMENT USING RASPBERRY PI AND RFID TECHNOLOGY

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[5]IOT-BASED SAFETY BAND

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