IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION

In Today's world, the wearable gadgets comprise an increase in market provisioning, wider openings for extemporized authority over security issues for kids in day care and schools. Likewise, women security keeps on being one of the most vital issue that can be addressed today, consequently security of women at working environments, public places is progressively noteworthy issue. This undertaking means to give a total start for secure and well being framework. The thought fills in as confirmation for a wearable gadget with coordinated plan to shorten the need of security issues to women and children.

ADVANTAGES

- ✧ In Panic situation of child or women the device notifies parent or guardian revealing child’s or women’s distress.
- ✧ To prevent an individual from drooping, we have accelerometer that determines the change in body position of child.
- ✧ With aid of GSM module, current location of child or women can be detected accurately in a short span of time.

DISADVANTAGES

- ✧ Technical difficulties.
- ✧ Poor data quality.
- ✧ Poor design or unfashionable design of the device.

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The objective of this project is to safeguard the child from threads. Now a days the safety measures of children has been reduced in huge number. Thus the violence against children increasing day by day. Not only kids even women are also abused both physically and mentally. We are taking small step towards violence against the kids. Our project mainly focus on sensing the children's Temperature and Heartbeat. By monitoring the activities the state of the child is analyzed. By using GSM, if child reaches the critical state then the latitude and longitude of that particular location is sent as an alert message to the parents. In this system, it has a MEMS sensor which is used to detect the abnormal vibration and it is controlled by Node MCU micro controller.

ADVANTAGES

- ✧ Parents receive an alert message which gives an information in latitude and longitude where the child is present.
- ✧ The ability to locate their child or alert bystanders in acting to rescue or comfort the child.
- ✧ We get an alert message (SMS) for the registered phone number.

DISADVANTAGES

- ✧ Sometimes parents may not receive an alert message because of network issue.
- ✧ Delay messages.
- ✧ Accurate recognition of a dangerous situation is a complex matter.

IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION

In today's world child and women are less secure and have many issues regarding their security purpose. They have to undergo among various difficult situations and have to prove themselves every time in all critical conditions. So, for their security and safety purpose government has provided security through rules and regulation to the society. Although there are many existing systems for security purpose need of advanced smart security system is increased. In order to overcome such problems smart security system for child and women is implemented. This paper describes about safe and secured electronic system for child which comprises of an Arduino controller and sensors such as temperature LM35, flex sensor, MEMS accelerometer, pulse rate sensor, sound sensor.

ADVANTAGE

- ✧ Excitement.
- ✧ Satisfaction.
- ✧ Self-esteem.
- ✧ Meeting a long-term goal.
- ✧ Love and growing through giving.

DISADVANTAGE

- ✧ Do Not Eat Anything Given By A Stranger.
- ✧ Do Not Climb The Fence.
- ✧ Do Not Walk Off The Yard Alone.

IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION

It is every parent's wish to protect their children from online pornography, cyber bullying and cyber predators. Several existing approaches analyze a limited amount of information stemming from the interactions of the child with the corresponding online party. Some restrict access to websites based on a blacklist of known forbidden URLs, others attempt to parse and analyze the exchanged multimedia content between the two parties. However, new URLs can be used to circumvent a blacklist, and images, video, and text can individually appear to be safe, but need to be judged jointly. We propose a highly modular framework of analyzing content in its final form at the user interface, or Human Computer Interaction (HCI) layer, as it appears before the child: on the screen and through the speakers.

ADVANTAGE

- ✧ Case studies.
- ✧ Early intervention - taking action to prevent or reduce future harm happening to children.
- ✧ Improved safety and care - doing the best when children need help.

DISADVANTAGE

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The objective of this project is to safeguard the Child from threads. Now a days the safety measures of Children has been reduced in huge number.Thus the violence Against children increasing day by day. Not only kids even Women are also abused both physically and mentally. We are taking small step towards violence against the kids.Our Project mainly focus on sensing the children's Temperature And Heartbeat. By monitoring the activities the state of the Child is analyzed. By using GSM, if child reaches the critical State then the latitude and longitude of that particular location Is sent as an alert message to the parents.

ADVANTAGES

- ✧ Child protection standards Children are protected, which minimises risks of abuse and exploitation.
- ✧ Agency representatives are protected – clarity on expected behavior with children and what to do if there are concerns about the safety of a child.

DISADVANTAGES

- ✧ There is little accountability of social care workers involved in case.
- ✧ In other words social workers are not held to account by others outside their department.
- ✧ Court cases that involve child protection are heard privately so there can be no public scrutiny of procedures.

IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION

The child safety wearable device is capable of acting as a smart IOT device. It provides parents with the real-time location, surrounding temperature, UV radiation index and SOS light along with Distress alarm buzzer for their child's surroundings and the ability to locate their child or alert bystanders in acting to rescue or comfort the child. The smart child safety wearable can be enhanced much more in the future by using highly compact Arduino modules such as the Lily Pad, Arduino which can be sewed into fabrics.

ADVANTAGES

- ✧ Using the Child Maintenance Service Direct Pay option is a Free service.
- ✧ This might be suitable If you have a strained Relationship with the other parent.
- ✧ You may find it helpful for the Child Maintenance Service to Collect and enforce the right level of maintenance to pay.

DISADVANTAGES

- ✧ Once you ask the Child Maintenance Service to decide On how much maintenance To pay, you have to abide by their decision.
- ✧ It is not possible To ask the Child Maintenance Service to collect a different.
- ✧ Amount of maintenance other than what has been determined by their formula.

IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION

Child trafficking has emerged as a worldwide concern owing to its clandestine and pervasive nature. The lack of means for a child, to respond or be tracked during such an incident increases the prevalence of such nefarious activities. Existing solutions either put the onus on the child to respond promptly, under such a situation, or are too intricate that they incur additional infrastructural costs and monitoring. Many of these solutions mandate the use of electronic detectors that are often exposed and thus discernible to a trafficker making the user vulnerable. In this paper, we propose a concealable and wearable embedded system based patch to significantly reduce the chances of such incidents.

ADVANTAGE

- ✧ Tracking system create and fixed in children's shoe. It is used for child tracking process.
- ✧ Large number of children wear shoe so this process is maintained and implemented easily.
- ✧ It gives step by step children activity process (walk,run,…).

DISADVANTAGE

- ✧ Without shoe it is not possible.
- ✧ Device damaged due to rain and natural disaster. Than after device is not working.
- ✧ Few children did not wear a shoe so this process implemented difficulties created in their children safety.

IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION

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.

ADVANTAGE

- ✧ Wearable device is managed by children daily likewise watch,smart patch and etc.
- ✧ Monitoring is easy in this process.
- ✧ Network monitoring process.Any time it is connected to children's guide.

DISADVANTAGE

- ✧ Network connection problem.
- ✧ Robbery problem (robber a watch).
- ✧ Connection failure in rural area.

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