SURVEY ON INNOVATIVE TECHNOLOGY FOR GIRL CHILD SECURITY

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Abstract —The safety of women and children is a concern of increasing urgency in India and other countries. Previously this type of issues were handling by the police lies in constraints preventing them from responding quickly to calls of distress .These constraints include not knowing the location of the crime, and not knowing the crime is occurring at all: at the victim send, reaching the police as surely and discreetly is a challenge. Now days, everywhere crime against children is increasing at higher rates and it is high time to offer safety support system for the children. Our Proposed system is an attempt to provide women safety as well as child safety.

Keywords- Wearable device

I.INTRODUCTION

The Internet of Things is a concept in which surrounding objects are connected in networks through wired and wireless without user intervention. In the concept of IoT, the objects communicate and interchange information to provide advanced intelligent services for users. The safety of women and children is a concern of increasing urgency in India as well as other countries. The primary issue is the handling of these cases by the police lies in constraints preventing them from responding quickly to calls of distress. These constraints include not knowing the location of the crime, and not knowing the crime is occurring at all, reaching the police assuredly and discreetly is a challenge. Now a days, all over the world crime against children is increasing at higher rates and it is high time to offer safety support system for the children.

II. LITERATURE SURVEY

1.Title:- A Novel Approach to Provide Protection for Women by using Smart Security Device

Authors: Kalpana seelam, K.Prasanti
Description: This system can be built that can detect the location and health condition of person that will enable us to take action accordingly based on electronic gadgets like GPS receiver, GSM, pulse rate sensor, flex sensor, MEMS accelerometer, body temperature sensor. Number of sensors are used to precisely detect the real time situation of the women in critical abusive situations.The heartbeat of a person in such situations is normally higherwhich helps make decisions to detect the abnormal motion of the women while she is victimized.

2.Title - :Children Tracking System Using Voice Recognition

Authors: M.Navya,S., Mohammed Rafi, K. Niranjan Reddy.
Description: The system focuses on implementing children tracking system for every child attending school. However the existing systems are not powerful enough to prevent the crime against children since these systems give information about the children group and not about each child resulting in low assurance about their child safety to parents and also does not concentrate on sensing the cry of the child and intimating the same to its parents. The proposed system includes a child module and two receiver modules for getting the information about the missed child on periodical basis. The child module includes ARM7 microcontroller (loc 2378), Global positioning system (GPS), Global system for mobile communication (GSM), Voice playback circuit and the receiver module

includes Android mobile device in parent's hand and the other as monitoring database in control room of the school.

3.Title:**Design and Implementation of a Rescue System for the Safety of Women by using Arduino Controller**

Authors: R. Pavithra, P. S. Sangeetha, M. Shakthi Devi.
Description: The main contribution of this system is to develop a wearable arm band for safety and protection of women and girls. This objective is achieved by the analysis of physiological signal in conjunction with body position. The physiological signals that are analyzed are pulse rate sensor, vibration sensor and if there is any fault it additionally uses a fault detection sensor. Acquisition of raw data makes the Adriano controller function by activating the GPS to send alert messages via GSM and the wireless camera captures images and videos and sends images to the pre decided contacts and also shares video calling to the family contact. The alarm is employed to alert the surroundings by its sound and mean while; she can also use a TAZER as a self defense mechanism.

4.Title: A Review on IOT Based Smart GPS Device for Child and Women Safety Applications

Author: NitiShree
Description: In this system different devices are connected with a single device through channels of internet. The concerned device is connected to server via internet.GSM allows the parents to get their Childs location on real time by SMS. Here, a prototype model (device) is created which is simulation based. The work comprises ARM - 7 LPC2148 as microcontroller, along with GPS and GSM module. Embedded C core compile using Kiel and virtual simulation check using Proteus 8.1 is done. A server is created which will collect all the data generated by our prototype system and send the same to server using GPRS. A Dummy server will be created by using Filezilla. This device will also have the facility of Emergency help key (SOS), if anyone presses the key, automatic help message will be sent to 3 registered mobile numbers on Server.

5.Title:A Multipurpose Child Tracking System Design and Implementation

Author: ShathaK.Jawad,Al-Gawagzeh Mohammed Yousef
Description: In this proposed system, the tracking system which is capable of detecting various danger surrounded by more than one child and trying to decrease the limitations that found in the present systems. The designed system consists of two modules; parent module and child module. When a violation of child safe is detected, a spec it sensor in child module will produce a signal. This signal will be sent from these sensors to controller then through transmitter to parent module which will take the required decision and start the violation handling procedure. The parent can set the system to work indoor or outdoor and depending on this selection the parent module can calculate the distance at any moment between each child and their parent. Global Positioning System (GPS) is used for outdoor distance calculation while change amplitude of RF Signal is used for indoor distance calculation. The proposed hardware and software is implemented on a single chip microcontroller.

6s.Title: Prototype of an Intelligent System based on RFID and
GPS Technologies for Women Safety
Author: Chandrashekar Ramaiah
Description: Security for women has become a major issue in most of the countries. Survey results shows that every year around 25000 crime against women were booked across India. From the last ten years, the statistics among women abusement, sexual harassment have been steadily increasing. It has become mandatory to come up with a solution to protect the women from being a victim and to reduce the attacks. The main objective of
this paper is to design and implement a highly reliable system for protecting women from being harassed. In this paper, we have
developed an intelligent women safety system using Radio Frequency Identification (RFID) and Global positioning system(GPS).The main idea here is using a active RFID tag with passive RFID reader to scan the information and this information is
transferred to the AT89C52 microcontroller where in the contacts of around 4 to 5 people is stored in the data base. Once the information is received by

the controller, it sends the message to the contacts through GSM module and the location is tracked through the GPS.The simulation is done in SIS proteus.

III. CONCLUSION

According to all the literature surveys explored,we are designing a wearable device which ensures guarantee protection to all women and children in vurnable situation. This system can overcome the fear that scares every woman in the country about her safety and security.

IV. RERERENCES

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