**IOT BASED CHILD SAFETY MONITORING SYSTEM AND NOTIFICATION**

**LITERATURE SURVEY:**

The aim of this work is to develop a wearable device for the safety and protection of children. This objective is achieved by the analysis of physiological signals in conjunction with body position. The physiological signals that are analyzed are galvanic skin resistance and body temperature. Body position is determined by acquiring raw accelerometer data from a triple axis accelerometer.

Parents need not have a smart mobile. Set of keywords are used to gain information from the kit. LOCATION keyword is used to obtain the location of the child. UV keyword is used to obtain the temperature of the surroundings. BUZZ keyword is used to turn on the buzzer which is fixed in that device. SOS is used to send a signal to the device.

**KEYWORDS:**

Child security system, Child monitoring system, Internet of Things (IoT), IoT device, Smart band.

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Acquisition of raw data is then followed by activity recognition which is a process of employing a

specialized machine learning algorithm. Real-time monitoring of data is achieved by wirelessly sending

sensor data to an open source Cloud Platform. Analysis of the data is done on MATLAB

simultaneously. This device is programmed to continuously monitor the subject’s parameters and take

action when any dangerous situation presents itself. It does so by detecting the change in the monitored

signals, following which appropriate action is taken by means of sending notifications/alerts to

designated individuals.

C. Child Safety Wearable Device

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D. Smart Intelligent System for Women and Child Security

A portable device which will have a pressure switch. As soon as an assailant is about to attack the

person or when the person senses any insecurity from a stranger, he/she can then put pressure on the

device by squeezing or compressing it. Instantly the pressure sensor senses this pressure and a

conventional SMS, with the victim’s location will be sent to their parents/guardian cell phone numbers

stored in the device while purchasing it, followed by a call. If the call is unanswered for a prolonged

time, a call will be redirected to the police and the same message will be sent. Additionally, if the

person crosses some area which is usually not accessed by the person then a message with the real-time

location is sent to the parent/guardian's phone via conventional SMS.

3. EXISTING SYSTEM

Real-Time Child Abuse and Reporting System

In the existing system, we use a voice recognition module in which the alert commands from the child

are stored and kept for further reference. If the same child delivers the same command, it will compare

with the alert command which was previously stored and sets an emergency level according to the alert

command. The GSM has a SIM which is used to send an alert message or an alert call to the trusted

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**ABSTRACT:**

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.’