IoT based safety gadget for child safety monitoring and notification

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REFERENCE	PURPOSE	MERITS	DEMERITS
AUTHORS: M.Nandhini,Priyanka, S.Murugan, K.N.H.Srinivasan, E.Kusuma Kumari. **PUBLISHED IN:** 2019 IEEE. **TITLE:** Smart IOT device for Child safety and tracking.	The novelty of the work is that the system automatically alerts the parent/caretaker by sending sms, when immediate attention is required for the child during emergency.	The parameters such as touch,temperature & Heartbeat of the child are used for parametric analysis and results for plotted for the same.	To implement IOT devices which ensures the complete solution for child safety problems.
AUTHORS: Akash, modbiri,Hamid Shahnasser. **PUBLISHED IN:** 2019 IEEE. **TITLE:** Child safety wearable device.	The purpose for this device is to help the parents to locate their children with ease.It also helps to find the child using wi-fi and bluetooth services present on the device. At the moment there are many wearable's in the market which helps to track the daily activity of children.	This wearable over other wearable is that it can be used in any phone and it is not necessary that an expensive smart phone is required and doesn't want to be very tech savvy individual to operate.	As,this device's battery gives short life time.High power efficient model will have to be used which can be capable of giving the battery life for a longer time.
AUTHORS: Aditi Gupta,Vibhor Harit. **PUBLISHED IN:** 2016 IEEE. **TITLE:** Child safety & tracking management system by using GPS.	The paper proposed a model for child safety through smart phones that provides the option to track the location of their children as well as in case of emergency children is able to send a quick message and its current location via short message services.	The advantages of smartphones which offers rich features like goole maps,GPS,SMS etc.	This system is unable to sense human behaviour of child.
AUTHORS: Dheeraj sunehera, Pottabhatini,Laxmi Priya. **PUBLISHED IN:** 2016 IEEE. **TITLE:** Children location monitoring on maps using GPS and GSM.	This paper provides an android based solution for the parents to track their children in real time. Different devices are connected with a single device through channels of internet. The device can be used by parents to track their children in real time.The proposed solution takes the location services provided by GSM	A child tracking system using android terminal and adhoc networks.	This device cannot be used in rural areas.

	module.It allows the parents to get their child's Current location via SMS.		

FUTURE SCOPE OF WORK:

This system can be futher enchanced by installation of minicamera inside smart gadget for better security so that live footage can be seen on parental phone during panic situation.

ACKNOWLEDGMENT:

We would like to thank our mentor for his precious guidance.

CONCLUSION:

This research demonstrates smart IOT device for child safety and tracking to help the parents to locate and monitor their children.

The system also consists of wi-fi module used to implement IOT and send all the monitored parameteres to the cloud for android app monitoring on parental phone.

Panic alert system is used during panic situation alert are sent to the parental phone, seeking for help also alert parameters are updated.