**IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING &NOTIFICATION**

**Abstract**: This paper is mainly streamed towards child safety solutions by developing a gadget which can be tracked via its GPS locations and also a panic button on gadget is provided to alert the parent via GSM module calling for help. Parental android app is developed to manage and track the device anytime. Smart gadget device is always connected to parental phone which can receive and make phone calls and also receive SMS on gadget via GSM module, also a wireless technology is implemented on device which is useful to bound the device within a region of monitoring range, if device is moving out of monitoring range then an alert will be triggered on binding gadget, this helps you keep a virtual eye on child. Health monitoring system on gadget checking for parameters like heart beat/pulse rate and temperature is included which can be monitored on parental app. Gadget also monitors whether it is plugged on hand or not using contact switch and alert the parent as soon as it is unplugged.

Keywords: Child security system, Child monitoring system, Internet of Things (IOT), IOT device, Smart band.

**Literaturereview:**

The Kid Safety Wearable Device is undertaking depicts the idea of a brilliant wearable gadget for little children.The reason for this gadget is to enable guardians to find their kids easily. Wi-Fi and Bluetooth seem, by all accounts, to be a problematic medium of report between the parent and kid. Consequently, the focal point of this paper is to have a SMS content empowered correspondence medium between the youngsters' wearable and the parent as the earth for GSM portable correspondence is relatively present everywhere. At the point when Child is press the catch SMS sent to Parent gadget. UV radiation and SOS utilized optional gadget measure actualized was utilizing a splendid SOS Light and misery alert ringer introduce on the wearable gadget which when actuated by the guardians by means of SMS content should show the SOS flag brilliantly and sound a caution which an observer can without much of a stretch spot as an indication of pain. Vehicle Tracking System for Children Safety Using RFID, GPS, GSM, This Project comprises of RFID labels and perusers which are intended to investigate the passage and exit of a man in a vehicle. Every individual is relegated with a label which holds the exact points of interest. When he/she enters the vehicle, the peruser peruses the individual's tag and stores the points of interest of passage and exit. This data is told to the concerned specialist through SMS utilizing GSM. The proposed framework encourages to thinkabout the territory where the vehicle has crossed the way utilizing RFID. The GPS innovation associated with this framework helps in securing reports on understudy's ongoing area.

* **N. Manjunatha , H. M. Jayashree , N. Komal, K. Nayana[IOT Based Smart Gadget for Child Safety andTracking]**

The internet of things (IOT) refers to the set of devices and system that stay interconnected with real-world sensor and to the internet. During years’ Child safety is under threat and it is very important to provide a technology-based solution which will help them under panic situations and monitor them using a smart gadget. The proposed system is equipped with GSM and GPS modules for sending and receiving call and SMS between safety gadget and parental phone, the proposed system also consists of Wi-Fi module used to implement IOT and send all the monitoring parameters to the cloud for android app monitoring on parental phone. Android application can be used to track the current location of safety gadget using its location coordinates on parental phone android app and also via SMS request from parent phone to safety gadget. Panic alert system is used during panic situations and automatic SMS alert and phone call is triggered from safety gadget to the parental phone seeking for help and also monitored for plug and unplug from hand, as soon the gadget is unplugged from hand a SMS is triggered to parental phone and the alert parameter is also updated to the cloud.

* **Ms Anisha , AfzalHussain[Child Safety wearable Device]**

Safety is the most wanted power for everyone in today’s world. Rape is the one of the major crime in India practiced against Child and Women. The crime rate is growing steadily since last few decades. According to latest National Crime Records Bureau (NCRB) 2013 annual report, 33,707 rape cases are reported across only India. The number of reported rape cases has been steadily increasing over the past decade. The systems provide the smart child tracking.

* **P.Soundarya , M.NivethaKumari and J.Jayachitra[A Smart Security for Child Safety]**

Children in all over the world are facing a lot of physical harassment and kidnapped by anyone. There is a need of advanced child security system to provide the safety measure in public places as well as travelling alone through public transports. This project provides a new model for the child security in public places which aims to provide.

* **Navya A, Nidhishree, Vidhyashree, Vishwa[CHILD MONITORING SYSTEM USING GPS**

**CHILD TRACKING SYSTEM]**

We are all familiar with the difficulties that parents endure in raising their children, especially when both parents work. In such instances, giving 24 hours of time is nearlyimpossible. As a result, we need to create something uniquethat will allow parents to keep a constant eye on their child/infant and be notified if anything unusual happens. As a result, we devised a plan to create a Smart Child Monitoring System based on the Internet of Things, which will allow parents to monitor their children even when they are away from home and detect every activity of the child from anywhere on the planet. Home & amp; detect every activity of the Child from any distant corner of the world.

* **S.Ramu , K.Pushpalatha, P.Manimegalai [CHILD SAFETY SYSTEM USING ANDROID APP]**

Childs security is a critical issue in today’s world and it is very much needed for everyone over such an issue. The above system ensure the safety and monitoring of child.

**CONCLUSION:**

This security Wearable Device will keep the child safe and also the abuse against the child will be decreased. The parent of child will get continuous update about their child status so that they cannot afraid about their childwhen they are not being with the child. This will create some fear to the persons those who all involving in harassment and child trafficking. As like well known proverb “**Prevention is better than cure**”, this application will prevent the child from harassment and kidnapping.