Date	03 September 2022
Team ID	PNT2022TMID42442
Project Name	IoT Based Safety Gadget For Child Safety Monitoring & Notification
Maximum Marks	2 Marks

Literature Survey

AUTHOR	PAPER TITLE	DESCRIPTION	YEAR
Lai yi Heng ; Intan Farahan Binti Kamsin.	IoT based child security monitoring system	In this system, The collected values from every sensors like temperature sensor, pulse rate detection sensor, metal detection sensor, and the location value from GPS are used to detect the status of child and alerts the respective guardians using GMS accordingly.	2021
P.poonkuzhlai ; RAarthi ; Yaazhini.V.M ; Yuvashri.S ; Vidhyalakshmi.G.	Child monitoring and safety system using WSN and IoT Technology	This system provides a tracking solution for parent to keep tracking their children's location outdoor by using GPS as it allows them to determine the exact location of the child. It helps to minimize this tragedy to reoccur in the future.	2021

Waheb.E.Jabboa; Hiew Kuet Shang ; Saidatul.I.S.Hamid; Akram.A.Almohammed ; Roshahliza M.Ramli; Mohammed A.H.Ali.	Internet of things based baby monitoring system for smart cradle	The system architecture consists of a baby cradle that will automatically suring using motor when the baby cries. Parents can also monitor their babies condition through an external web camera and switch on the lullaby toy located on the baby cradle rentory via the MQTT server to entertain the baby.	2019
M.Rabiathul Fathima ; S.J.Kavishna ; A.priyanka ; V.Pavithra .	IoT &GSM Based Child Abduction Rescue device	A child abduction alert system (also child alert, amber alert, child rescue alert) is a tool used to alert The people in cases of worrying or life threatening disappearance of children.	2022
James N Gilmore	Securing the kids : geofencing and child wearables	Geofencing creates a virtual boundary around a physical location using GPS or RFID and it monitor mobile devices as they enter and leave this area. For parents control, this means you can see when a child has left a arrived at a destination without them checking in.	2019
N.Senthamilarasi ; N.divya bharathi D.Ezhilarasi ; R.B.Sangavi	Child safety monitoring system based on IoT	In this system, we automatically monitor the child in real time using IoT, with the help of GPS, GSM, and raspberry pi – This system requires network connectivity, satellite communication, and high-speed data connection when we use web camera &GPS to lively monitor.	2019

N.Manjunatha ; H.M.Jayashree ; N.Komal ; K.Nayana	IoT based smart gadget for child safety and tracking	The system is developed using link-it ONE board programmed in embedded C and interfaced with temperature, heartbeat, touch sensors, and also GPS, GSM & digital camera module. The novelty of the work is that system automatically alert to the parent by sending SMS, when immediate attention is required for the child during emergency.	2020
Akash Moodbidri ; Hamid Shahnaseer.	Child safety wearable device	The purpose of this device is to help the parents to locate their children with ease, at the moment there are many wearable's in the market which helps to track the daily activity of children and also helps wifi and Bluetooth services present on device.	2017
Aditi Gupta; Vibhor harit .	Child safety & tracking management system by using GPS	This paper proposed a model for child safety through smart phones that provide that 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.	2016
Dheeraj Sunehera ; Pottabhatini; Laxmi Priya .	Children location monitoring on google maps using GPS and GSM	This paper provides an android based solution for the parent to track their children in real time. different devices are comented with a single device through channels of internet. The proposed solution takes the location services provided by GSM module, It allows the parent to get their child's current location via sms.	2016

M.Nandhini Priyanka ; S.Murugan ; K.N.H.Srinivas T.D.S.Sarvesvaraw ;	Smart IoT device for child safety and tracking	The system is developed using link it one board programmed in embedded C and interfaced with temperature, heartbeat, touch sensors & also GPS,GSM & digital camera module. The android app uses global positioning system & mobile services to find the child location & security stored all the call logs, hort message service logs, and accurate locations without knowing the children.	2019
Gowri priya.B Kunguma Abirami.B ; Monisha.T Kalaiarasu.M	Smart child safety monitoring system	Focus of this paper is to have an sms text enabled communication medium between the child's device and the parent as the environment for GSM mobile communication is almost present everywhere. In addition, real time location & the hear beat rate of the child are periodically updated to parent's mobile.	2019
Timothy Griffin ; Monica.K . Miller	Child Abduction,AMBER alert crime control theater	The proposed system includes a child module and 2 receiver modules for getting the information about the missed child on periodical basis, the child module includes ARM7 microcontroller, GPS,GSM, voice payback circuit and the receiver module includes android mobile device in parent's hand.	2008

Prakriti Agarural ; R.Ramya ; Rachana Ravi kumar ; Srinivasasetty .	Survey on child safety wearable device using IoT sensors & cloud computing	Proposes on UV light sensor test that depends on polymer covered optical fiber that is photoresponsive. The objective of providing safety for children against threats and provides a safety device that focuses on the children's temperature & heartbeat.	2020
Fitsum Tesfaye	IoT based smart GPS device for child safety Applications	Android based solution to aid parents to track their children in real time. the proposed solution take the advantage of location services provided by GSM. This device will also have the facility of emergency help key (sos), if anyone presses the key, registered number on server.	2020
Kaushik Gupta ; Mohima Sukal ; Viral Sonavadia.	Child monitoring system	When a violation of child safety if identified, a certain sensor in the child module will emit a signal, which is the mail function of the suggested child tracking system, these sensors and WFPs will send this signal to microcontroller. The child and parent models, which comprises a drive circuit for the sensor's activation.	2022