LITERATURE SURVEY

Authors: Rajalakshmi, S and Angel Deborah, S and Soundarya, G and Varshitha, V and Shyam Sundhar,"Safety Device for Children Using IoT and Deep Learning Techniques" in the year of 2021 ,The safety and security of children is a major problem in the current era. The children are too young to take care of themselves. We cannot monitor the children at all times in school, play area, and outside place. In this paper, we discuss the concept of child safety device based on Internet of things. The aim of this device is to provide safety to the child by allowing the parent to locate the child and view their surroundings. This device can be used to monitor the temperature and motion of the child. If any problem persists, the GSM mobile communication module automatically sends a text message to the parent as SMS. The other features of the device are emergency light and alarm buzzer which are activated when the button is pressed by the child in a distress situation to seek the attention of the bystanders. The accelerometer and vibration sensors are used to detect the motion of the child. The camera is used to capture the environment of the child. The image taken is processed using convolutional neural network (CNN) which predicts the background like play area, railway station, beach, road, or classroom. The GPS module is used to record current location of the device which is used to track the device if the child is missing. Hence, this device provides a security cover to the child in today's time.

Authors: Bolla, Dileep Reddy and Varsha, BV and Kumar, GR Chethan and Prajwal, MD and Sowmya, "Secured Transportation System To Enhance Child Safety" in the year of 2018,Now a days, we see a lot of children along with their parents standing on the roads waiting for their respective school bus, in this aspect they needs to communicate from and to home and school daily. Secondly, in recent days, safer transportation of school children has become a serious issue as it is often observed that child is forgotten to exit and enter the respective stops. So this paper proposes the solution for this issue by developing a bus safety system which controls entry and exit of the student by sending SMS to the parents via tracking exact location of school bus. The system consists of RFID (Radio Frequency Identifier) card. To identify which student has entered or exited the bus, GSM (Global system for mobile communication) to send the notification, GPS for the exact location of the bus. Fire sensor, if any fire ignition and Panic switch if any emergency.

Authors: Gilmore, James N "Securing the kids: Geofencing and child wearables" in the year of 2020,This article provides a critical analysis of the child wearable Jiobit, a locational tracking device that is designed to allow parents to monitor how children move through space. Emphasizing the device's incorporation of geofencing features, which allow users to program 'fences' on a paired smartphone application and receive notifications when a Jiobit wearer enters

and leaves the ‘fenced’ areas, I demonstrate how the operations of this device are part of a cultural politics that values the tracking of children through a variety of technological and infrastructural processes. Through an artifactual analysis of the device itself and its smartphone application, as well as an examination of the company’s promotional language, I demonstrate how the logic of ‘securitization’ is used to encourage parents to delegate some of the work of monitoring children to this device. This artifactual analysis is paired with a discursive analysis of the company’s policy documents, which readily acknowledge Jiobit’s inability to serve as a fully reliable security system, while also detailing the ways in which the extraction of data is stored indefinitely and, in some cases, disclosed to third parties. Through this case study of Jiobit, I argue for critical studies of wearable technologies to attend to the ways in which their producers promise ‘security’ and the ways in which ‘security’ acts as an alibi for continuous data collection.

Authors: SANGEETHA, Y and VEDHAVATHI, J ,” To Supervising of Child with Elevated Refuge by Using Internet of Things” in the year of Although tons of the work has been performed till nowadays to recognise the Internet of Things (IoT) into exercise, maximum of the paintings makes a forte of resource-constrained nodes, rather than linking the present embedded structures to the Internet of Things (IoT) network. The proposed gadget intends to a tool wi-fi technique in the form of embedded tool specifically ARM for a child which will serve the reason of indicators and way of speaking with at ease channels and it captures the photo using the digital virtual camera. There are many android programs for little one safety but they as no longer as heaps as inexperienced. So to resolve this trouble of child protection we increase a Wi-Fi sensor kit which is straightforward to use and which is powerful to provide help to that victim. So even as the victim press kits button, our utility will capture the photo, acquire users statistics to ship a notification to registered cellular phone numbers with the link of the captured image. This saves the time and that sufferer receives help without loss of time. Also in the case of Children protection, the device proposes a velocity tracking and vicinity monitoring facilities using GPS, GSM.

Authors: Pateriya, Pushpendra Kumar and Singh, Parminder and Jitesh, RU and Gumber, Shivam, “Smart Child Monitoring Device (S-Cmd)”,in the year of 2019, In this era most of the families are nuclear family, and husband wife both work to cope up with the needs of family. So it becomes tough for the parents to monitor their baby or infant all the time. In such a situation working parents hire a babysitter and pay a handsome amount of salary to her. Parents want to monitor babysitters also because they do not trust them completely. Few of the baby monitoring tasks (i.e. ambience monitoring, skin temperature monitoring, strangers’ recognition, abnormalities monitoring, and instant alert generation etc.) can be done using IoT enabled

technological solutions. In this paper we have proposed a smart child monitoring system which can monitor a baby effectively, can generate instant alerts and save baby health related data on cloud for further analysis.