LITERATURE REVIEW

[1] Dr. M. V. Vyawahare (Prof. PCE, Nagpur), Shriya Lambat , Mayuri Belsare , Kritika Latwe , Richa Vairagade department of Electronics Engineering PCE Nagpur, India(2019) proposed a paper on “IOT Based School Bus Monitoring and Security System” ,this scheme uses an alcoholic and a panic switch for the safety of the children. The status of the bus is sent to the school as well as parents in case of any emergency conditions. A device is placed inside the bus to determine the position of the bus using global positioning system.

[2] Poonam Gupta, D D Shah, K V V Satyanarayana in December 2016 proposed a paper on “An IoT Framework for Addressing Parents Concerns about Safety of School Going Children”,in this paper a technology is developed to ensure safety of the children boarding to school and gets down the bus at home’s doorstep. Parents also get notification when the child enters their classroom first time ina day. Child can disseminate the signal to the parents// Single point of contact (SPOC) at school to make them aware about emergency.

[3] Shruti Anant Tiwarkar, Aishwarya Dinkar GhareShaila Suresh Bhumannavar, Gaurav Kishor Kshirsagar guided by Prof. Pallavi Patil (June – 2020) proposed a paper on “IOT Based School Child Tracker System”. This paper is proposed to enhance the children safety by tracking them and proving live location of the children with the help of Global Positioning System (GPS) module and by sending information through SMS notification. Every student possesses an RIFD tag on his own ID card which is useful for identifying the and GPS module for tracking their live location. It allows the parents to know about the child’s location on a real time map and their marked attendance in school also sends the attendance of a particular student to the teacher.

[4] Nada Abdul Al-Balushi, Syed Imran Ali Kazmi, Faisal Khalifa Al-Kalbani from Middle East College have proposed a journal on “Transport Safety Mechanism of School Children Using IOT based Smart System”This paper has given the IOT smart transformation system for a children school. This system uses IR sensors to calculate the number of students,they have also used RIFD card and RIFD reader to read the student data and monitor their attendance.MQ3 sensor is also used for alcohol sensing and to ensure the safety of the driver.Mobile application is used to get messages and notifications about the student via google map.

[5] N. Jeyakkannan et al (2021) had written a article on “IoT Based Smart Bus System using wireless sensor networks”. This paper a system to monitor the entry and exit of the students in their buses by using IOT technology It will record the student’s entry and exit data by using RFID and GSM technologies while travel from their house to school. It also sends the SMS to the parents. It detects the children who are entering the wrong bus.it aloso detects whether the driver is drunk. In case of traffic driver can send information to management without delay.

[6] N. Senthamilarasi et al 2019 had published a paper on “Child Safety Monitoring System Based on IoT” In this paper a temperature sensor is used to detect the temperature of the child as well as the surrounding temperature. If there occurs any abnormal rise or fall in temperature in the body of the child or in the surrounding it will notify it to the parents.

[7] V.Santhi, K.Ramya, APJ.Tarana, G.Vinitha on May 2017 proposed a paper on “IOT Based Wearable Health Monitoring System for Pregnant Ladies Using CC3200”.This system monitors the pressure, temperature, heartbeat of the pregnant women. It Provides a wearable device that continuously monitor some vital parameters that are to be monitored for a patient. In case of any critical situation, this unit rise an alarm and communicates to the web app using WIFI which is in-built in CC3200.

[8] Lien-Wu Chen, Senior Member, IEEE, Tsung-Ping Chen, Hsien-Min Chen, and Ming-Fong Tsai (DECEMBER 15, 2019) presented a paper on “Crowdsourced Children Monitoring and Finding With Holding Up Detection Based on Internet-of-Things Technologies”. In this paper propose a crowdsourced children monitoring and finding (CCMF) framework to detect holding-up behaviors and find missing children using wearable devices and surrounding smartphones based on Internet of Things (IoT) technologies.