IoT Based Safety Gadget for Child Safety Monitoring and Notification

LITERATURE SURVEY

Team ID : PNT2022TMID42554

Monitoring and Prevention of Child Abuse Using IoT

Mrs. P Chitra, Aarthi S, Anitha K, Angammal R, Abinaya D

2022

This paper focuses on the important issue of how people surrounding a missing child can assist the youngster and play a crucial role in the child's safety and health monitoring until they are reunited with their parents.

An IoT-Based Mobile System for Safety Monitoring of Lone Workers

*Pietro Battistoni *ORCID,Monica SebilloORCID and Giuliana Vitiello*

2021

This paper proposes a distributed solution of Smart Personal Protective Equipment for the safety monitoring of Lone Workers by adopting lowcost electronic devices. In addition to the same hazards as anyone else, Lone Workers need additional and specific systems due to the higher risk they run on a work site. To this end, the EdgeComputing paradigm can be adopted to deploy an architecture embedding wearable devices, which alerts safety managers when workers do not wear the prescribed Personal Protective Equipment and supports a fast rescue when a worker seeks help or an accidental fall is automatically detected.

Proceedings of the 3rd International Conference on Integrated Intelligent Computing Communication & Security (ICIIC 2021) IoT-based Child Security Monitoring System

Lai Yi Heng, Intan Farahana Binti Kamsin

2021

Enable tracking of the child's location and capturing of data remotely such as temperature, pulse, respiratory rate, quality of sleep and many more. To show the child's actual data with reference values.

IoT Enabled Children Safety System (International Research Journal of Engineering and Technology (IRJET))

Mr.Vinod Mane, Durgesh Musale, Rohan Joshi, Aditya Toney, Anand Pande, Shashank Kohade

2020

It is a IOT based project and their approach is to monitor school bus in this new era of smart cities.

Survey on Child Safety Wearable Device Using IoT Sensors and Cloud Computing (International Journal of Innovative Science and Research Technology)

Prakriti Agarwal, R Ramya, Rachana Ravikumar, Sabarish G, Sreenivasa Setty

2020

The design of this model involves developing a medium for communication between the parent/guardian and the child's wearable device. The child's location is tracked using GSM mobile communication to specify the location of the child in real-time.

International Journal of Innovative Technology and Exploring Engineering (IJITEE) Smart IOT Device for Child Safety and Tracking

M Nandini Priyanka, S Murugan, K N H Srinivas, T D S Sarveswararao, E Kusuma Kumari.

2019

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.

Activity Tracker Wrist Band for Children Monitoring using IOT

Dr. T. VP. Sundararajan

2018

The children with Activity Tracker that has access to IOT monitoring and GSM technology keeps monitoring the children. The system has sensors interfaced with the processor which keeps sensing the vital signals such as heart beat rate, temperature, etc. So whenever some perilous situations arise there may be an indication to parents.

Optimized neighbor discovery in Internet of Things (IoT). (International Conference on Electrical, Electronics, Communication, Computer, and Optimization Techniques (ICEECCOT) (pp. 1-5). IEEE.)

Fathima, N., Ahammed, A., Banu, R., Parameshachari, B.D Naik, N.M

2017

This device helps in optimized discovery of the child using data collected