IoT Based Safety Gadget for Child Safety Monitoring & Notification

[1] Zhigang Gao, Hongyi Guo, Yunfeng Xie and Yanjun Luo(2017) have presented a paper titled “ChildGuard: A Child-Safety Monitoring System” With the rapid development of Urbanization And Industrialization in China,the resident population in the countryside has gradually decrease, And a significant number of children are now living in or near cities. The childGuard system for Mobile devices can help guardians better monitor children.Thus the future work, plan is to add Senerio-sensing functions to detect the children’s voices and to take pictures of the children being monitored. This paper hope to extend Childguard indoor monitoring applications using indoor positioning and motion regonition.

[2] Deepinder kaur, Ravitha Chahar, Jatinder Ashta (2020) have proposed a paper titled “IOT based Women Security: A Contemplation” Then now the safety of women is a paramount concern all over the globe. Particularly in India, crime against women is increasing rapidly on hourly basis. With the advancement of technology, many solutions have been developed to curb the serious issue.

[3] Tejonidhi M.R, Aishwarya, Chaithra K.S,Dayana .M.K, Nagamma H(2020) have presented a paper titled “IOT Based Smart Security Gadget for Women’s Safety”. Nowadays personal safety has become a significant problem for everyone, but especially for women. A recent survey made by WHO indicates 35 percent of women,globally,facing some form of abuse and physical violence. Using the IOT platform one can track the information of the women remotely. This will help to reduce the crime against the women.

[4] Chokkakuladevi, Gowri S(2021) have published a paper tilted “An Automatic Smart Phone with IOT based Accident detection and alerting System”. In that the manufacturing and sales of vehicles these days has increased due to its high demand. Percentage of road accidents increases every year. Here external pressure sensor is integrated to detect the external force on the vehicle body.

[5] Kaithravan M, Pavan Kumar Reddy M, Muthukumaran Malarvel, Amurtha A(2022) have presented a paper titled ”IOT Based vehicle Surveillance and Crash Detection System”. The goal of the study is to enhance the emergency response department’s reaction time to car accidents and an attempt to find solutions for quick accident notification. The output of the proposed research work includes a smart device to monitor the vehicle. The prototype could be a viable technology for car manufactures to integrate and improve vehicle safety features and increase the dependability of vehicle accident detection and reporting system.

[6] Suclochana Roy(2020)have proposed a paper titled “IOT Enabled Security System for android users” Staying connected 24*7 with our near and dear ones and providing them with the continued added security services, especially when women and children step out of their houses to meet their daily needs, is one of the major challenges faced in today’s society. This device can work independently of each other ,with each one connected to the same or different wifi networks, as per the availability in order to minimize the chances of failures of this security package when applied to real life scenario’s.

[7] Maviya Noorin, KV Suma(2020) have presented a titled ”IOT Based on wearable device using WSN technology for miners” Safety is of great importance in mining regions .A notification alert is sent to the supervisor if any unusual situation is encountered. Thus a wearable device incorporating the various sensors, alerting mechanism and communication system is developed to enhance safety of miner.

[8] Hina Gull, Dalal Aljohar, Reem Alutaibi, Dalia Alqahtani, Muna Alarfaj(2021) have proposed a titled ”Smart School Bus Tracking: Requirements and Design of an IOT based school Bus Tracking System”. In many countries school buses are considered as easy options for parents to transport their children to their schools. It will introduce a tracking website and an android application for the school admin, drivers of the bus and the parents. And finally there will be another notification will be received by the parent’s if there is any change in the daily bus schedule.

Reference

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