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IOT BASED SAFETY GADGET FOR CHILD MONITORING AND NOTIFICATION

LITERATURE SURVEY

Akash Moodbidri, Hamid Shahnasser[2017] proposed child safety wearable device and 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 to find the child using Wi-Fi and Bluetooth services present on the device. This wearable over other wearable is that it can be used in any phone and it is not necessary that an expensive smartphone is required and doesn't want to be very tech savvy individual to operate.

N.Senthamilarasi et al. [2019] suggested an IoT based autonomous monitoring system using temperature, pulse rate sensor, GPS module, and GSM technology along with Raspberry pi microprocessor. Exploiting the concept of geo-fencing a particular region is marked as safe, if the kid moves out of the region then an SMS alert is sent along with the information of the current location derived from GPS. Also, whenever any change in the temperature (both skin, and ambient temperature) and pulse rate was detected beyond the preset threshold value, an alert was generated by the microprocessor using the GSM module. A registered user can view the live location information by login into the website or app using their unique username and password. The web camera in the device can be remotely turned on, and the current live stream videos could be monitored from the server using the IP address of the camera.

Kothawade et al. [2021] proposed a system "multi-platform application for parent and school using GPS tracking". In this paper, they developed a GPS based application system for an organization and parents mobiles. The organization can use this application for monitoring and tracking the location of the school buses. Parents can get the addresses of their children and locate them on his/her mobile devices. School authority also can monitor and track the school buses timely and ensures the safety of children. It also allows parents to track real-time information about the school bus during travels.