LITERATURE SURVEY

[1]

Title: Child Safety wearable device

Author name: Akash Moodbiri,Hamid Shahnasser.

Year of Publication: 2017

Objective: There are already a lot of wearables available on the market that may be used to track children's daily activity as well as to locate them on utilizing Wi-fi and Bluetooth capabilities of the device.

Merits: The advantage of this wearable over others is that it can be operated with any phone; high-end smartphone is not necessary, and it does not require a person to be highly tech knowledgeable.

Demerits: The device is of low battery.

[2]

Title: Child safety & Tracking Management System by using GPS.

Author name: Aditi Gupta,Vibhor Harit.

Year of Publication: 2016

Objective: This study offered a model for child safety using smartphones that give parents the option to track their children's whereabouts as well as the ability for kids to send a fast message and their current location in case of an emergency via short Message Services.

Merits: The benefits of smartphone that offer a wealth of capabilities like GPS, SMS, Google, Maps etc.,

Demerits: This system is unable to detect child-like human behavior.

[3]

Title: Smart IoT Device for Child safety and tracking.

Author name: M Nandhini Priyanka,S Murugan,K N H Srinivas,T D S Sarveswararao,E**,** Kusuma Kumari.

Year of publication: 2019.

Objective: The link-It ONE board, programmed in embedded C, is used to construct the system. It is connected to temperature, heartbeat, touch, GPS,GSM and digital camera modules. The work is innovative in that when a child is in need of rapid attention during an emergency, the system instantly notifies the parent by sending an SMS**.**

Merits: The child's heartbeat, temperature, and touch are employed as parameters in a parametric analysis, and the results are shown.

Demerits: To put in place an IoT gadget that offers a comprehensive remedy for issues with child safety**.**

[4]

Title: Children location monitoring on google Maps Using GPS and GSM.

Author name: Dheeraj Sunehera,Pottabhatini Laxmi Priya**.**

Year of Publication: 2016

Objective: This study offers parents an Android-based tool to follow their kids in real-time. Through internet-connected channels, various gadgets can

communicate with one another. The concerned gadget has an internet connection to the server. Parents can use the gadget to keep track of their kids in real-time or to protect ladies. The location services offered ny the GSM module are used in the suggested solution. It enables parents to receive an SMS wit their child's location information.

Merits: Uses an Android terminal and ad hoc networks , a child tracking system.

Demerits: This device cannot be used in rural areas**.**