PROPOSED SOLUTION:

PROBLEM STATEMENT:

A child tracking application that enables parents to monitor a child's whereabouts so that the child stays out of perilous circumstances

IDEA/SOLUTION DESCRIPTION:

A child safety device which consists of inbuilt Wi-Fi, GSM, GPS and Bluetooth modules. Different components such as temperature sensor, heartbeat sensor, panic button, contact switch are connected to the link it ONE board along with built in GSM, GPS modules. Temperature is one of the most commonly measured variables.

For measuring body temperature of the child DS18B20 temperature sensor is used.The heartbeat sensor is used in the proposed system for measuring pulse rate.There is a heartbeat/pulse sensor which is combined to simple optical heart rate sensor with amplification and nullification circuitry making it is fast and easy to get reliable pulse reading.

NOVELTY/UNIQUENESS:

It has not yet been possible to create a kid safety and protection tracker that won't interfere with the child's daily activities and has a very user-friendly interface for parents. In order to preserve accuracy and guarantee the safety of the child, the suggested solution will make sure that there is a device that can be used in all situations and uses various types of software that are connected together.

SOCIAL IMPACT/CUSTOMER SATISFACTION:

-Live Location Tracking

-Panic Alert System

- Stay Connected Feature

-Health Monitoring System

-Gadget Plug and Unplug Monitoring

-Boundary Monitoring System

BUSINESS MODEL(REVENUE MODEL):

Business to Consumer Model

Licensing model

Subscription Model

Freemium Model

SCALABILITY OF THE SOLUTION:

We ensure that the device is extremely scalable by implementing different data storage technologies, managing the IoT data pipeline, and using automated bootstrapping.