Project Design Phase-I
Solution Architecture

Date	19 September 2022
Team ID	PNT2022TMID25977
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.

- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.

- Define features, development phases, and solution requirements.

- Provide specifications according to which the solution is defined, managed, and delivered.

Idea / Solution description:

This project is Iot based safety gadget for child safety monitoring and notification. This project is about **tracking the child's location** by setting geofences and also using **GPS tracker** in wearable bands. This wearable smart band is waterproof, chargeable and it as equipped with sensors

Features:

Development of a safety gadget for children to ensure their protection without direct monitoring of their parents.

The various features involve:

- GPS
- Geo fence
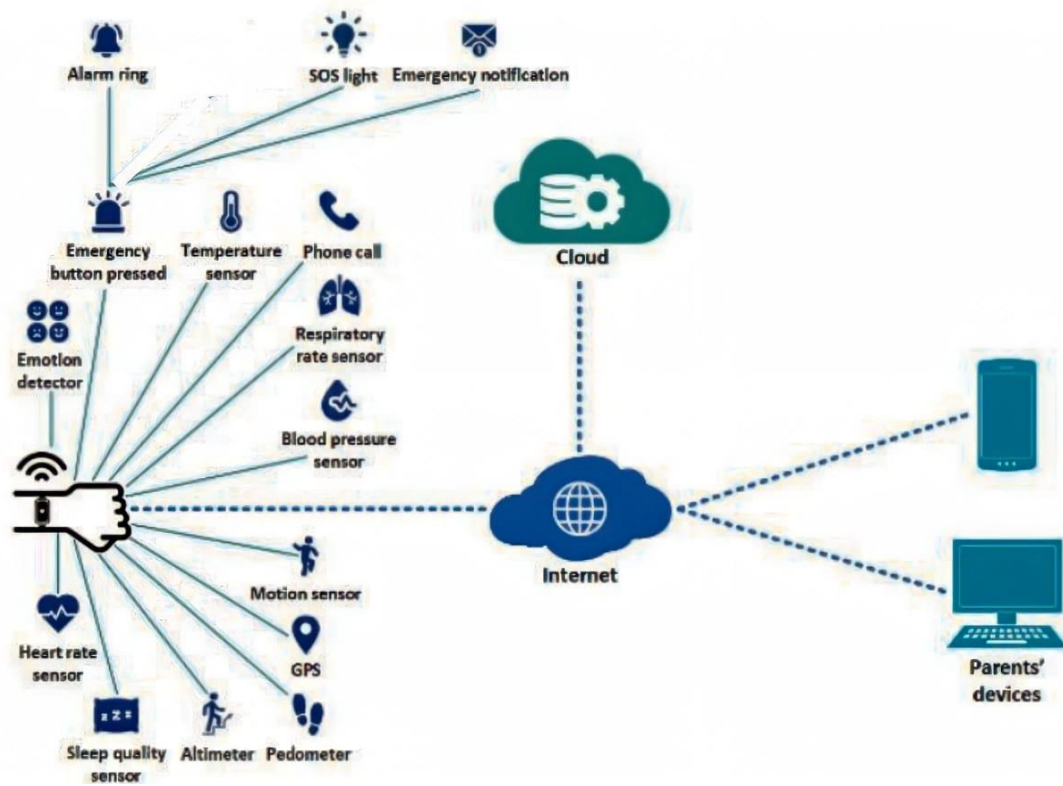- Notify alert signal

Solution Architecture Diagram:

Figure 1: Architecture and data flow of the voice patient diary sample application

Reference: https://www.ijitee.org/wp-content/uploads/papers/v8i8/H6836068819.pdf