

SMART BRACELET

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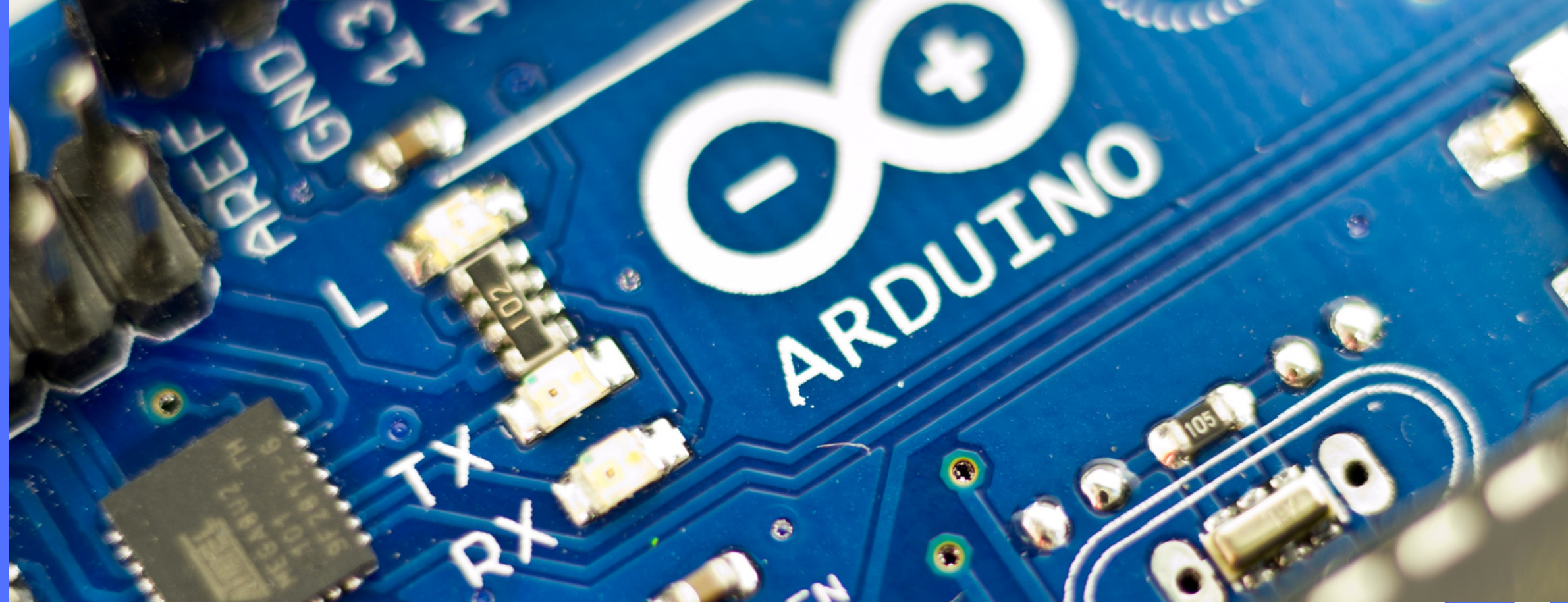
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ABSTRACT

- An inventive method for locating individuals, particularly older persons with health issues, is the Smart Bracelet for Elderly People.
- It's intended to serve as a remote alarm system for patients who are susceptible to seizures, abrupt heart attacks, and strokes.
- The smart bracelet has a fall detection system, a GPS tracker to determine the user's present position, and a preset to remind the wearer to take their medications on time.



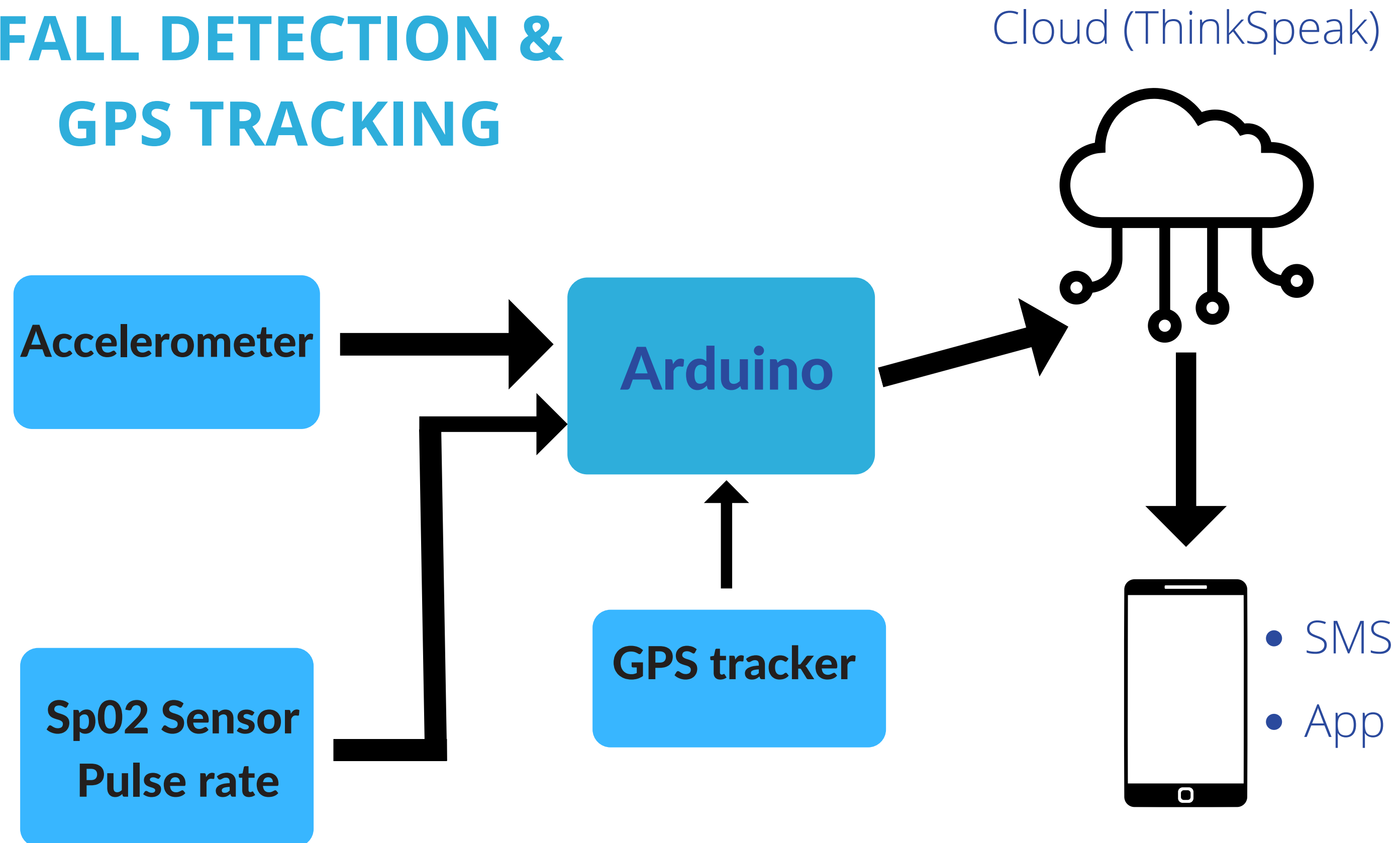
COMPONENTS REQUIRED



- ESP WROOM32(microcontroller)
- Speaker
- Accelerometer
- GPS
- Wifi Module
- Pulse rate sensor
- SpO2 sensor

BLOCK DIAGRAM

FALL DETECTION & GPS TRACKING



EXPECTED OUTCOMES

1

FEASIBILITY

The gadget notifies the user through alert message, checks the oxygen level and pulse rate.

2

MEDICAL REMINDERS

It sends reminders on time to consume medicines.

3

GPS USAGE

It also tracks the user's current location and notifies during emergencies.





TIMELINE



Research

**Components
Assemble**

Coding

**Improvements
(App)**

Final Review

REFERENCES

- Smart Tracking and Fall Detection for Golden Age's Citizen - ScienceDirect
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- IoT Based wearable Smart Health Monitoring System
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