



Fall Detection using Geo-location API

Objective– Device that alerts remote care taker on fall/accident by sending accurate location

Distinct features

- Precise location of the accident.
 - Cost economy
 - Compact and Robust
 - Reliable and Realtime
 - Battery powered.
- Wearable and SAR compliant

Market Survey

5. What should the reasonable cost of the product

[More Details](#)

[Insights](#)

500 - 1000	20
1000 - 1500	19
1500 - 2000	11
2000 +	4



38% of people answered 500 - 1000 for this question
8% of people answered 2000 + for this question, and the majority answered "Be it wearable".

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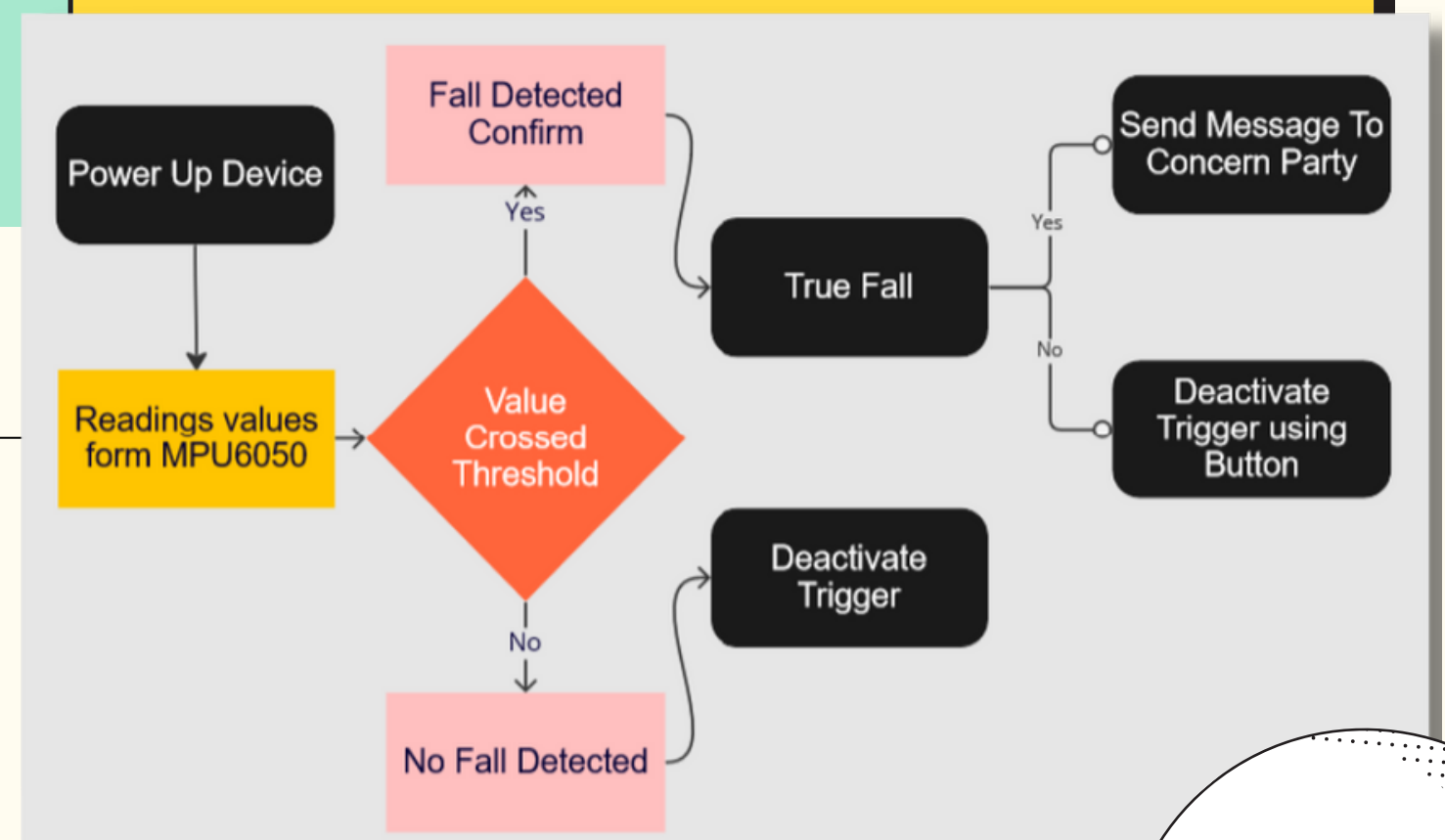
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NAAC 'A' Grade Accredited

Technology Used

- Google Geolocation API
- Google Geocode API
- Embedded C
- Firebase
- NodeJS
- Twilio



Typical alert message

Sent from your Twilio trial account – Accident detected for Prateek Sharma on: 1-1-1970 05:30:39
at location – Latitude 26.8358329 & Longitude 75.6500723
Address:-
Neighbourhood: Jaipur
Administrative Levels: Rajasthan
City- Jaipur ZipCode- 302026 Country- India

Link google maps :-
<https://www.google.com/maps/place/26.8358329N+75.6500723E/>

Conclusion

- Prototype implementing the geolocation and messaging service for notifying the concerned parties.
- Product design and testing under progress