

Process of innovation in smart healthcare technologies

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The Team / Workgroup

The presented projects have been led by Prof Sandy RIHANA

The team, dedicated Biomedical Engineering Students

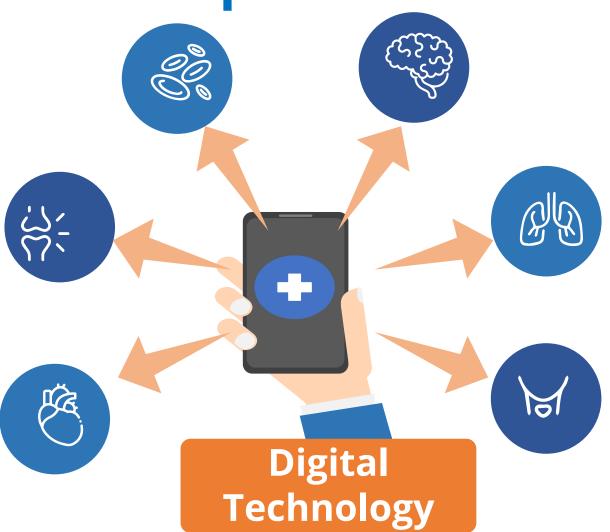
- Wearable device for hikers : Paul Abi Ramia, Veronica Matar, Haydar Noun
- Smart baby monitoring : Najwa Dagher, Anna Malek

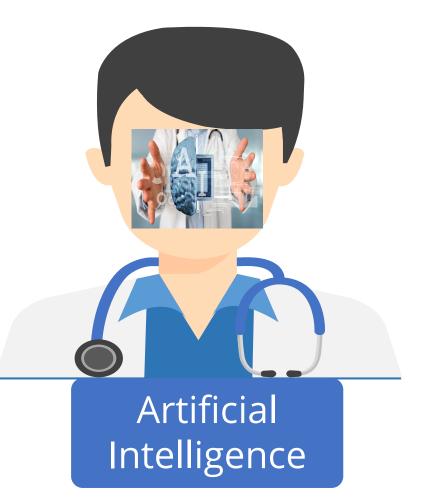






Description



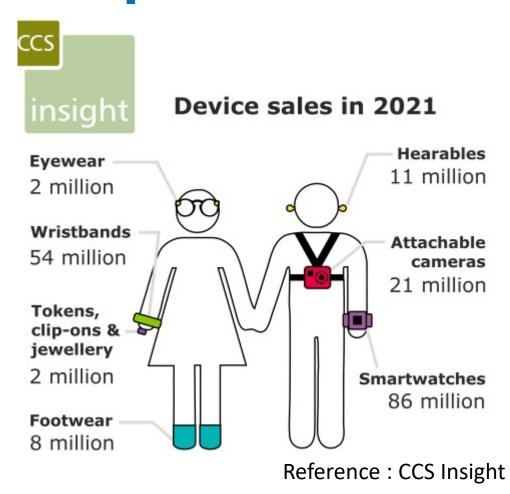








Description



Market size Market size 265.4 116.2 Billion Billion 2021 2021 Market Growth 18%





Goals of the project and final users that will benefit

Wearable device for hikers

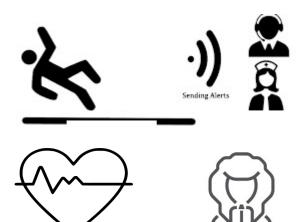




- Monitor remotely the vital signs
- Detect falls when occurred
- Activate airbag helmet
- Incapability to move after a fall
- Automatic distress message and call sent to the nearest hospital

Or ambulance











Goals of the project and final users that will benefit

Smart baby monitoring



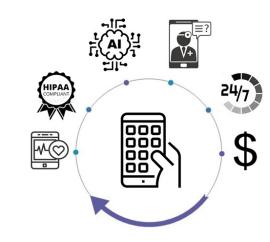
Monitoring your child remotely

- Busy parents
- → continuous remote monitoring of the babies with livestreaming



Wearable system that can detect vital signs monitoring!



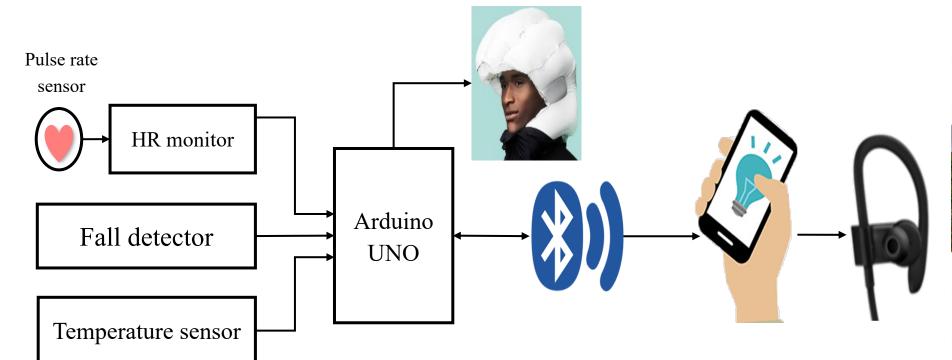








Results



A fall is detected in the

following location Altitude: 68

Latitude: 33.96899 Longitude: 35.60913



START

STOP

RESET

Number of steps: 44

Distance traveled: 31.38999 m

Calories burnt: 1.936 Calories



91 BPM 37 degree

Altitude: 205.70081

Latitude: 33.98266

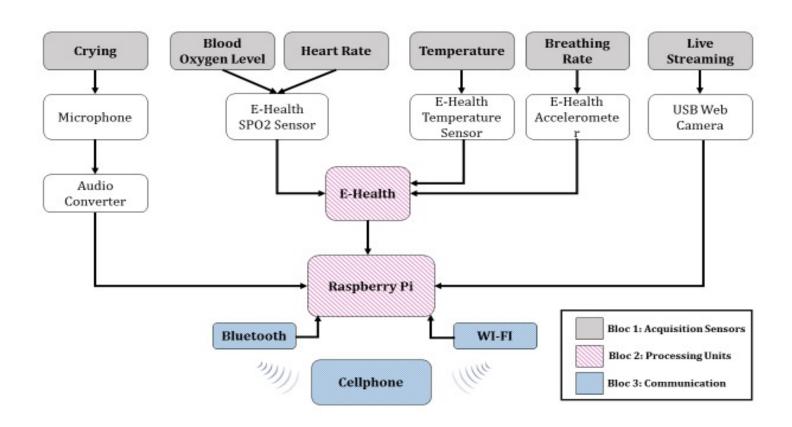
Longitude: 35.62018

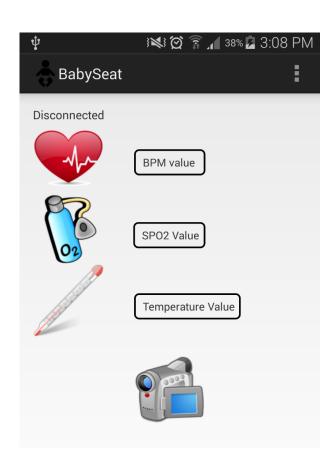






Results

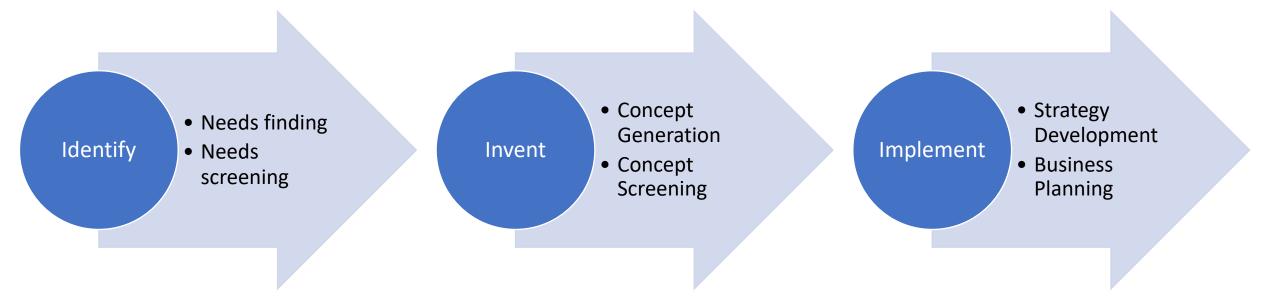


















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