

INVISIBLE CHILD SAFETY BAND

PROBLEM STATEMENT

The child safety monitoring system via mobile phones is a current growing smart technology among the society. But still the awareness and its importance is not wide spread due to its complexity and high cost.

SOLUTION DESCRIPTION

- The invisible child safety band consists of a GPS sensor to track the live location and send the information to the synced mobile phone.
- The vibration sensor attached to invisible child safety band detects the accident

NOVELTY

- The child safety band is considered to be invisible as the outer material of the band is similar to the skin color of the child, which is customized by the users.
- The child safety band is a user friendly gadget as its functionalities can be controlled via the synced mobile phone like setting the distance range, buzzer indication.
- The band is also efficient and faster in communication as the device always synced with the mobile phone.

SOCIAL IMPACT

- The device guarantees the child safety through constant monitoring via mobile phones, thus reducing the safety concern among the parents.
- It reduces the risk of the child during emergency situations as the device notifies immediately to the parent when unexpected events happen.
- Thus the action is taken immediately and the child is protected from further consequences.

CUSTOMER SATISFACTION

- The child safety band is a user friendly compared to the existing device, as it is fully controlled by the parent through IoT Technologies
- The device is also low cost as it only consists of primary and fundamental functionality rather than additional unwanted features.
- This achieves child safety monitoring in a precise and accurate way.

BUSINESS MODEL

- The device can be sold in different ways like selling in stores , online purchase etc as the device is small with customizable options.
- The device can be manufactured in different forms according to the convenience of the users, which thereby increases the productivity and sales.

- As child safety bands are low costs, the awareness of the device will be spread among the entire society creating an impact.
- This increases the number of users hence the profit also increases, as number of users is directly proportional to the profit of the manufacturer

SCALABILITY OF SOLUTION

- As the invisible child safety band is efficient and low cost, the awareness of the child safety monitoring system can be spread among the society.
- The invisible child safety band can be customized into different ornamental forms according to the requirement of the user.
- The device also acts as a health monitoring system by sensing the radiation from the human body.