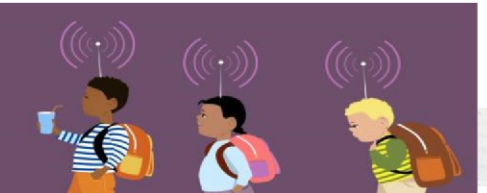


IOT BASED SAFETY GADGET FOR CHILD SAFTEY MONITORING AND NOTIFICATION



SCENARIO

To continuously monitor the child's location and alert when the child is in danger



Entice

How does someone initially become aware of this process?



Enter

What do people experience as they begin the process?



Engage

In the core moments in the process, what happens?



Exit

What do people typically experience as the process finishes?



Extend

What happens after the experience is over?



Steps

What does the person (or group) typically experience?

Searching for a gadget that accurately locate and monitor the child

Visit website or app

Choose a convenient device,age of child and other details

Browse available features

View detail on available resources

Start purchasing the gadget

Complete payment information

Confirm payment & buy gadget

Contact details confirmation

Gadget delivery details, guidance manual, reference video

Stay at scheduled delivery date

Read the guidelines

Experience the gadget performance

Protect the gadget

Prompt for review

Writing & submitting review

Personalized recommendations

Alert parents



Interactions

What interactions do they have at each step along the way?

- **People:** Who do they see or talk to?
- **Places:** Where are they?
- **Things:** What digital touchpoints or physical objects would they use?

Interacting with child

Parents can create safe zones by including all the usual places that the child visits everyday and gets an alert if the device is somewhere else

establish the geptence for child safety

The caretakers or the parents or the guardians conditions and requirements regarding the child safety are met

The application sends a notification stating the location of the child and the parents can utilize it to know the whereabouts of the child.

The location verification and constant monitoring are turned off when the GPS turns off or the internet is not available from the device user's side



Goals & motivations

At each step, what is a person's primary goal or motivation? ("Help me..." or "Help me avoid...")

The purpose of this device is to help parents locate their children with ease

The parent can send a text with specific keywords such as "LOCATION", "TEMPERATURE" "UV", " BUZZ" etc..the device will reply back with a text containing the real time accurate location of the child

Frequent updates and bug fixes in order to provide the desired result

Notifies when child crosses geofence

The child's safety is ensured and the device is kept safe.



Positive moments

What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting?

When a missing child is found.

Regular updates and user friendly

Upon successfully detecting the location of the child , the parents are tension-free and relaxed .

Successful logout

Satisfied that the child is safe



Negative moments

What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?

Alert sound is not given

GPS location is not tracked properly

Message along with notification not sent

Regular updates not delivered

Unsuccessful logout

Parents or guardians find the process to be a little hassle as it is a long process



Areas of opportunity

How might we make each step better? What ideas do we have?What have others suggested?

In absence of caretaker

Alternate options if message not sent

Automatically monitor the child in real time using Internet of Things with the help of GPS,GSM,Raspberry Pi

The gadget automatically alerts the parent/caretaker by sending SMS, when immediate attention is required for the child during emergency.

With the use of child safety GPS, there are features such as critical alerts, voice surveillance and instant communication via messages.