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?

Entice	Enter	Engage	Exit	Extend
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?

Entice	Enter	Engage	Exit	Extend
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 geofence 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…")

Entice	Enter	Engage	Exit	Extend
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?

Entice	Enter	Engage	Exit	Extend
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?

Entice	Enter	Engage	Exit	Extend
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?

Entice	Enter	Engage	Exit	Extend
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.