Project Design Phase-II

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Team ID	PNT2022TMID42442
Project Name	Project-IoT Based Safety Gadget for Child Safety Monitoring and Notification

Customer Journey Map

Phase of Journey	Customer Queries	Awareness	Cost	Excecution stage	Delivery & use
ACTIONS What does the customer do?	How does i find my kid using this device ? Do i need the person for operating this device ? These products are created to give parents as much information as possible about their child's real-time location. It can set up a range of location for the GPS tracker	Advertise through news, documentory , etc. Personal trackers are small and unobtrusive and can easily fit in a wallet, backpack,etc.	It can be used for multiple functions Conducting seminar	Communication between device and mobile through SMS. A mobile app tracks the location data of the customer. Shall i focus on overall quality or just device ?	Is it easy to purchase? The features of app will vary based on the tracker. The GSM mobile network will work with the tracker. To give importance of a good battery life. How are you using it and what is it replacing old method? GPS devices comes with a code that you can look up online. The features of app will vary based on the tracker.
TOUCHPOINT 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?	if you have any alternate option for receiving SMS, what action will you take ? where shall i contact ,if my device is broken ? Posting through web application.	The tracker comes with flexible to keep it from slipping of child's. How can i receive kid current location ? We can use high sensitivity vibration sensor Code developed in spontaneous interaction.	Device benifit with durable battery life and good connectivity. Devices easy to prepare without looking complicated like bands or lockets. Proposed system component cost calculation is low.	Get the location of the device in longitude and latitude format. Google map improves the accuracy of the tracking location of the children. Shortest path can be discovered. Interact with people We can use high sensitivity vibration sensor the tracker in which you can even store the data so that you can see which route your kid has taken in the past days.
CUSTOMER THOUGHT What is the customer thinking?	where can i buy the product ? I think It would be nice to get some sort of feedback, when I click on a button. It gives children more freedom because when parents know where the children are? It's important to follow installation instructions carefully.	It is clearly demonstrates how to respond to an unsafe situation. Reduces the thought of a child entering into an unsafe situation. Some trackers allow parents to set up a "safe zone" for their children. Google map can improve the accuracy of GPS	Is the notification sending was easier to access? System combines the installation of an electronic device with the tracking software. Do we have any issues with loggin? It can review where the child goes by saving information.	Display the last known location . To develop child tracking system, a low-cost hardware has been implemented. We go for geofence notification. Innovative the production and providing better customer experiences. We can replaces devices like accessories or smart tag. Location services using the APIs for web application. Messages include customer ID , location and time stamps. Location tracking can also ease unnecessary worry if a child doesn't answer the phone straight away.
Positive moments What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting?	Reassure to use this Device. These are compatible with Android and iOS devices. Parents are more relaxed about letting the kids go further afield . 	Increase a child's sense of confidence. It stores the data location securely. User friendly device 	It sends the coordinates in the particular location. It's act as a communication tool for parents and can be helpful when working.	Deliver exactly what the customer wants. Low operation, effective cost. Easy of use of the app is remarkable. Upgrading step up is very easy to make it requirement effecient.	
Negative moments What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?	Is it comfortable to wear this device? Accuracy issues are usually caused by a location error. Parents don't want their child to be distracted by the device. Tracking children with GPS-enabled devices is becoming practical and affordable, but child rights and privacy campaigners are worried.	There are also concern with changed position of the name of the children after each update. The childrens leaving their phone at a friend's house so their parents think they're there. If they're being tracked, young people may feel their parents think they can't be trusted.	The childrens leaving their phone at a friend's house so their parents think they're there. What if they lost the device?	it makes you feel compelled to check your phone to see if the notification is arriving or not? Relying solely on GPS can be problematic if there is a signal failure or you are using a battery-powered device that runs out of power. it makes you feel compelled to check your phone to see if the notification is arriving or not? They may perceive the devices as an incursion of their privacy. GPS tracker must be handled with caution.	
Areas of opportunity How might we make each step better? What ideas do we have? What have others suggested?	It can be upgraded for emergency alerts notification. Devices needs hardware like computing power depending on the consumption. It's track the child all the time.	the parent will receive alert message to their preset phone number even if the parent is offline. The system designed for tracking the child's location at any point in time. Open source API estimates the distance between the device and the connectivity. Was it easy to set the maximum threshold distance in the app?	They are easy to use and will keep you aware of what your children is doing. Database deploys the time series information. It prevent to keep the children away from dangerous area. As we use app we will quick access to everything that is on the tracker.	Parents will get a warning notification to take necessary action and precautions. Easy of deployment, maintenance,and use. It is compatible to put inside child's bag-pack. Some even include features that can monitor the child's location, as well as other features that meet unique and specific needs. Volatile memory is applicable. It offers the additional functionality which requires a high accuracy. GPS and GSM signals working together to relay information in a quick and seamless way. It constantly updated minute-to- minute.	