

















# Project Design Phase-II

Date	15 October 2022
Team ID	PNT2022TMID29677
Project Name	Project-IoT Based Safety Gadget for Child Safety Monitoring and Notification

## Customer Journey Map

Phase of Journey	 Customer Queries	 Awareness	 Cost	 Execution stage	 Delivery & use
 <b>ACTIONS</b> What does the customer do?	<div>How does i find my kid using this device ?</div> <div>Do i need the person for operating this device ?</div> <div>These products are created to give parents as much information as possible about their child's real-time location.</div> <div>It can set up a range of location for the GPS tracker</div>	<div>Advertise through news, documentary , etc.</div> <div>It can be used for multiple functions</div> <div>Personal trackers are small and unobtrusive and can easily fit in a wallet, backpack,etc.</div> <div>Conducting seminar</div>	<div>Communication between device and mobile through SMS.</div> <div>Shall i focus on overall quality or just device ?</div> <div>A mobile app tracks the location data of the customer.</div>	<div>Is it easy to purchase?</div> <div>The GSM mobile network will work with the tracker.</div> <div>The features of app will vary based on the tracker.</div> <div>To give importance of a good battery life.</div>	<div>How are you using it and what is it replacing old method?</div> <div>The features of app will vary based on the tracker.</div> <div>GPS devices comes with a code that you can look up online.</div>
 <b>TOUCHPOINT</b> What interactions do they have at each step along the way? <ul style="list-style-type: none"><li>■ <b>People:</b> Who do they see or talk to?</li><li>■ <b>Places:</b> Where are they?</li><li>■ <b>Things:</b> What digital touchpoints or physical objects would they use?</li></ul>	<div>if you have any alternate option for receiving SMS, what action will you take ?</div> <div>where shall i contact ,if my device is broken ?</div> <div>Posting through web application.</div>	<div>The tracker comes with flexible to keep it from slipping of child's.</div> <div>We can use high sensitivity vibration sensor</div> <div>How can i receive kid current location ?</div> <div>Code developed in spontaneous interaction.</div>	<div>Device benifit with durable battery life and good connectivity.</div> <div>Proposed system component cost calculation is low.</div> <div>Devices easy to prepare without looking complicated like bands or lockets.</div>	<div>Get the location of the device in longitude and latitude format.</div> <div>Shortest path can be discovered.</div> <div>Google map improves the accuracy of the tracking location of the children.</div>	<div>Interact with people</div> <div>We can use high sensitivity vibration sensor</div> <div>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.</div>
 <b>CUSTOMER THOUGHT</b> What is the customer thinking?	<div>where can i buy the product ?</div> <div>It gives children more freedom because when parents know where the children are?</div> <div>It's important to follow installation instructions carefully.</div> <div>I think It would be nice to get some sort of feedback, when I click on a button.</div>	<div>It is clearly demonstrates how to respond to an unsafe situation.</div> <div>Some trackers allow parents to set up a “safe zone” for their children.</div> <div>Reduces the thought of a child entering into an unsafe situation.</div> <div>Google map can improve the accuracy of GPS</div>	<div>Is the notification sending was easier to access?</div> <div>Do we have any issues with login?</div> <div>System combines the installation of an electronic device with the tracking software.</div> <div>It can review where the child goes by saving information.</div>	<div>Display the last known location .</div> <div>We go for geofence notification.</div> <div>To develop child tracking system, a low-cost hardware has been implemented.</div> <div>Innovative the production and providing better customer experiences.</div>	<div>We can replaces devices like accessories or smart tag.</div> <div>Messages include customer ID , location and time stamps.</div> <div>Location services using the APIs for web application.</div> <div>Location tracking can also ease unnecessary worry if a child doesn't answer the phone straight away.</div>
 <b>Positive moments</b> What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting?	<div>Reassure to use this Device.</div> <div>These are compatible with Android and iOS devices.</div> <div>Parents are more relaxed about letting the kids go further afield .</div> <div></div>	<div>Increase a child's sense of confidence.</div> <div>User friendly device</div> <div>It stores the data location securely.</div> <div></div>	<div>It sends the coordinates in the particular location.</div> <div>It's act as a communication tool for parents and can be helpful when working.</div>	<div>Deliver exactly what the customer wants.</div> <div>Low operation, effective cost.</div> <div>Easy of use of the app is remarkable.</div> <div></div>	<div>Upgrading step up is very easy to make it requirement effecient.</div>
 <b>Negative moments</b> What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?	<div>Is it comfortable to wear this device?</div> <div>Parents don't want their child to be distracted by the device.</div> <div>Tracking children with GPS-enabled devices is becoming practical and affordable, but child rights and privacy campaigners are worried.</div> <div>Accuracy issues are usually caused by a location error.</div>	<div>There are also concern with changed position of the name of the children after each update.</div> <div>If they're being tracked, young people may feel their parents think they can't be trusted.</div> <div>The childrens leaving their phone at a friend's house so their parents think they're there.</div> <div></div>	<div>The childrens leaving their phone at a friend's house so their parents think they're there.</div>	<div>it makes you feel compelled to check your phone to see if the notification is arriving or not?</div> <div>it makes you feel compelled to check your phone to see if the notification is arriving or not?</div> <div>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.</div> <div></div>	<div>They may perceive the devices as an incursion of their privacy.</div> <div>GPS tracker must be handled with caution.</div>
 <b>Areas of opportunity</b> How might we make each step better? What ideas do we have? What have others suggested?	<div>It can be upgraded for emergency alerts notification.</div> <div>It's track the child all the time.</div> <div>Devices needs hardware like computing power depending on the consumption.</div>	<div>the parent will receive alert message to their preset phone number even if the parent is offline.</div> <div>Open source API estimates the distance between the device and the connectivity.</div> <div>Was it easy to set the maximum threshold distance in the app?</div>	<div>They are easy to use and will keep you aware of what your children is doing.</div> <div>It prevent to keep the children away from dangerous area.</div> <div>As we use app we will quick access to everything that is on the tracker.</div>	<div>Parents will get a warning notification to take necessary action and precautions.</div> <div>It is compatible to put inside child's bag-pack.</div> <div>Easy of deployment, maintenance,and use.</div> <div>Some even include features that can monitor the child's location, as well as other features that meet unique and specific needs.</div>	<div>Volatile memory is applicable.</div> <div>GPS and GSM signals working together to relay information in a quick and seamless way.</div> <div>It constantly updated minute-to- minute.</div>