# Ideation Phase
## Define the Problem Statements

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID18337 |
| Project Name | Project - IoT Based Safety Gadget for Child Safety Monitoring and Notification |
| Maximum Marks | 2 Marks |

**Customer Problem Statement Template:**

Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love.

A well-articulated customer problem statement allows you and your team to find the ideal solution for the challenges your customers face. Throughout the process, you'll also be able to empathize with your customers, which helps you better understand how they perceive your product or service.



Reference: https://miro.com/templates/customer-problem-statement/

| Problem Statement (PS) | I am (Customer) | I'm trying to | But | Because | Which makes me feel |
|---|---|---|---|---|---|
| PS-1 | A parent | Keep my child safe | There are security issues | Of people with bad motives | Scared and worried |
| PS-2 | A guardian | Protect my adopted child | My child is insecure | Can be easily lost | anxious |

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Child safety monitoring project helps to monitor the child's action and make sure they are safe in everywhere they go. It is very helpful for the working parents who are not able to be with their children during the day time. Through this device they can monitor the child's activity at anytime and anywhere.

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| Who are the important area of focus? | Children are the important area of focus. Since they are mostly affected. |
| What are the boundaries of the problem? | Boundaries are the constraints that we frame for the user to follow. |
| What is the problem? | Children are exposed to environments like physical and sexual abuse. More possibilities are there, that they can be abducted by anyone when they were not in the monitoring of their parents. |
| When can this problem can probably happen? | They can happen anytime and anywhere. Our major focus is on the areas where they are not familiar. Eg: Regions other than school and home |
| Area of study | Major focus of this project is to create a geofence where the children can feel safe like their home, school etc.. If they are located other than these areas, the system assumes that they are in trouble and a message is sent to their parents regarding this. |
| Who can cause harm? | Anyone can cause harm to the children. It is not necessary that an outsider should hurt the children. It can even be a close relative who has some bad intentions. |
| Who are mostly benefitted? | Parents who are working. They can monitor their child whenever they can and can feel safe about them. If they want to leave their child to a baby sitter or a preschool, they can make sure that they are safe. |
| Why it is important to solve this issue? | Children are the future India. They are the main assert. It is our responsibility to safeguard them from the bad eyes and to give them a good and healthy society. |