**Ideation Phase**

**Define the Problem Statements**

|  |  |
| --- | --- |
| Date | 19 September 2022 |
| Team ID | PNT2022TMID07742 |
| Project Name | IOT Based Safety Gadget For Child Safety Monitoring & Notification |
| Maximum Marks | 2 Marks |

**Customer Problem Statement:**

Many numbers of crimes on children are reported nowadays, especially child kidnapping and missing cases. So it becomes inevitable to keep an eye on children, particularly when they are out of the home. As an enhanced solution, the Parents/Guardian needs to be intimated if the child is getting moved out of the stipulated geo-location assigned for the child. This article is focused on creating a solution with the IoT device which has GPS enabled and making use of cloud services for sending an intimation to the parent/guardian using an email or SMS notification along with the current geo-location of the children.

The safety and security of children is a major problem in the current era. The children are too young to take care of themselves. We cannot monitor the children at all times in school, play area, and outside place. In this paper, we discuss the concept of child safety device based on Internet of things. The aim of this device is to provide safety to the child by allowing the parent to locate the child and view their surroundings. This device can be used to monitor the temperature and motion of the child. If any problem persists, the GSM mobile communication module automatically sends a text message to the parent as SMS. The other features of the device are emergency

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Problem Statement (PS)** | **I am (Customer)** | **I’m trying to** | **But** | **Because** | **Which makes me feel** |
| PS-1 | Parent | Protect my Child | Cannot monitor the children at all times | Work pressure | Helpless |
| PS-2 | Parent | Guide my Child | Inevitable to keep an eye on children | Carrier Growth | Clueless |