**Ideation Phase**

**Define the Problem Statements**

|  |  |
| --- | --- |
| Date | **10 October 2022** |
| Team ID | **PNT2022TMID44152** |
| Project Name | **IoT Based Safety Gadget for Child Safety Monitoring and Notification** |
| Maximum Marks | **2 Marks** |

**Problem Statement:**

The child needs to be monitored even when the parents are distracted. A momentary lack in parental supervision should be combated with an appropriate IT solution in context. The child needs to stay generally within the line of sight. It is necessary for the proposed system to alert the parents when the child walks too far away and outside the circle of safety‟ (generally the parents‟ line of vision), even if the parents are distracted. If the child does go missing, the aid of technology can increase efficiency and decrease the time necessary to locate the child. The child needs to be located, only at the will of the authorized persons (the parents). Once there is data available about the location of the missing child, this data needs to be displayed as information that the parents can easily understand and use.

Graphical user interface, text, application, email

Description automatically generatedChart, treemap chart

Description automatically generated

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Problem Statement (PS)** | **I am (Customer)** | **I’m trying to** | **But** | **Because** | **Which makes me feel** |
| PS-1 | a mother | look after my baby | I can't be with him all the time | lots of housework to be done | worried about his safety |
| PS-2 | a father | ensure my baby's safety | I don't want to hire a babysitter | It doesn't give me any assurance | scared about his safety |
| PS-3 | a teacher | make sure my baby is safe while I go for work | I'm very much occupied with school work | during exam times, work piles up a lot | unable to focus on my work completion |
| PS-4 | Running a preschool | guarantee the full safety to the kids admitted here | it is difficult to control the kids | there might be human limitations | doubtful about the safety assurance of my institution |
| PS-5 | A home schooler | teach my entire family from home | I'm worried about the physical safety of the kids | there are numerous safety risks around my house | difficult to maintain home-schooling schedule |