

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.

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

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