Project Design Phase-I
Problem–Solution Fit Template

Date	19September 2022
Team ID	PNT2022TMID09825
ProjectName	IOT based Safety Gadget for Child Safety
MaximumMarks	2 Marks

Problem–Solution Fit Template:

The Problem-Solution Fits that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why.

Purpose:

❑ The child's location notifications will be generated if the child crosses the geo-fence. Notifications will be sent according to the child's location to their parents or caretakers. The entire location data will be stored in the database.

❑ Succeed faster Notifications will be sent according to the child's location to their parents. they can simply leave their children in school or parks and create a geo-fence around the particular location.

❑ Smart sensors and analytics to detect the child position and location and it allow to remotely checked.

❑ Support for development and implementation of safety gadget to detect the child location Using of intelligent.

❑ Under stand the existing situation in order to improve it for your target group.

Template:

1. Customer segment (s) A customer is an individual or business that purchases another company goods or services. Customer are important because they drive revenues.	2. Customer Constraints Small sensors and IOT is used to implement the child safety device to track the child activities.	3. Available Solution These are the some available solution : • It will be developed with the help of IOT. • Big data analytics for child safety gadgets. • Role of sensors in predictive maintenance.

4. Jobs to be done

A. child safety
B. design to view the child location
C. take care of the child from any hazard

5. Problem root cause

- CMMS
- Digitalization
- Child monitoring
- Health and safety
- IOT

6. BEHAVIOR

The aim of this project to avoid the any types of accident due to absence of parents . It will provide the live location of the child.

7. Emotions

IoT brings global changes by its advanced elements in the social, economic, and political impact of

the users.

8. Your solution

This research demonstrates Smart IoT device for child safety and tracking, to help the parents to locate and monitor their children.
If any abnormal readings are detected by the sensor, then an SMS and phone call is triggered to the parents mobile

9. Future scope

This system can be further enhanced by installation of mini camera inside smart gadget for better security so that live footage can be seen on parental phone during panic situations