

**ProjectDesignPhase-  
IProblem–SolutionFitTemplate**

Date	19September2022
TeamID	PNT2022TMID19071
ProjectName	IOTbasedSafetyGadgetforChildSafety
MaximumMarks	2Marks

**Problem–SolutionFitTemplate:**

TheProblem-SolutionFitthatyouhavefoundaproblemwithyourcustomerandthatthesolutionyou have realized for it actually solves the customer's problem. It helps entrepreneurs, marketersandcorporateinnovatorsidentifybehavioralpatternsandrecognizewhatwouldworkandwhy.

**Purpose:**

- ☐ Thechild'slocationnotificationswillbegeneratedifthechildcrossesthegeo-fence.Notifications will be sent according to the child's location to their parents or caretakers. Theentirelocation datawillbestored inthedatabase.
- ☐ SucceedfasterNotificationswillbesentaccordingtothechild'slocationtotheirparents.theyca nsimplyleavetheirchildreninschoolorparksandcreateageo-fencearoundtheparticularlocation.
- ☐ Smart sensors and analytics to detect the child position and location and it allow to remotelychecked.
- ☐ SupportfordevelopmentandimplementationofsafetygadgettodetectthechildlocationUs ingofintelligent.
- ☐ Understandtheexistingsituationinordertimproveitforyourtargetgroup.

**Template:**

<p>1. Customer segment(s) Acustomer isanindividualorbusinessthatpur chasesanothercompanygoodsor services.Customerareimportant becausetheydriverevenues.</p>	<p>2.CustomerConstraints SmallsensorsandIOTisusedtoimpleme nt the child safety device totrackthe childactivities.</p>	<p>3. AvailableSolution These arethesomeavailablesolution: <input type="checkbox"/> Itwillbedevelopedwithth e help ofIOT. <input type="checkbox"/> Bigdataanalyticsforchildsafety gadgets. <input type="checkbox"/> Role ofensorsinpredictivem aintenance.</p>
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<p>4. Jobstobe done</p> <p>A. child safety B. design to view the child location C. take care of the child from any hazard</p>	<p>5. Problem root cause</p> <ul style="list-style-type: none"> <li>• CMMS</li> <li>• Digitalization Child monitoring</li> <li>• Health and safety IoT</li> <li>• </li> </ul>	<p>6. BEHAVIOR</p> <p>The aim of this project is to avoid the any types of accident due to absence of parents . It will provide the live location of the child.</p>
<p>7. Emotions</p> <p>IoT brings global changes by its advanced elements in the social, economic, and political impact of the users .</p>	<p>8. Your solution</p> <p>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</p>	<p>9. Future scope</p> <p>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</p>

