# PROJECT DESIGN PHASE-I

# PROPOSED SOLUTION TEMPLATE

| S.NO. | PARAMETER | DESCRIPTION |
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| 1. | PROBLEM STATEMENT (PROBLEM TO BE SOLVED) | Parents are often worried about their children when they are out of sight, The aim of this project is to help parents to monitor their children's location and to see whether their child is safe or not. This system provides a tracking solution for the parent to keep tracking their child's location outdoors by using GPS as it allows them to determine the exact location of the child. |

| 2. | IDEA / SOLUTION DESCRIPTION | It has always been a troublesome process for the parents to look after their children with their busy schedules, so this system sends a notification message to parents and stores the data of the child's movement and geospace periodically. At times the notification may not hear or |
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| Date | 07-10-2022 |
|---|---|
| Team ID | PNT2022TMID38545 |
| Project Name | IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION |
| Maximum Marks | 2 Marks |

**PROPOSED SOLUTION:**

| | | be received to the parents, We aim to develop and provide a good interface that would give a tremendous output. The technology used here is ARDUINO NANO and CLOUD for storing data. |
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| 3. | NOVELTY / UNIQUENESS | This project is basically for the parents who cannot balance their children and work at the same time and also for nonworking parents. The uniqueness of our project is about geofencing, temperature sensing, and location monitoring. |
| 4. | SOCIAL IMPACT / CUSTOMER SATISFACTION | The parents will have the satisfaction that their child is safe and not involved in any critical situation even in their absence. |
| 5. | BUSINESS MODEL (REVENUE MODEL) | The business model is in such a way that everyone can afford it. It is very cost-efficient. We are cutting the cost in external components. There is no need of buying any external components instead they can use their mobile phones to track. |

| 6. | SCALABILITY OF THE SOLUTION | Child safety monitoring is a guardian angel for the parents who can have the exact location of their child which helps to protect the child from any critical situations. |
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| | | So we resolve the problems like high standard geofencing and since we store data in the cloud it can be retrieved when needed. |