

**Project Design Phase-I**  
**Proposed Solution**

|               |                                                                                |
|---------------|--------------------------------------------------------------------------------|
| Date          | 19 September 2022                                                              |
| Team ID       | PNT2022TMID13499                                                               |
| Project Name  | Project - IoT Based Safety Gadget for Child Safety Monitoring and Notification |
| Maximum Marks | 2 Marks                                                                        |

| S.No. | Parameter                                | Description                                                                                                                                                                                                                          |
|-------|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.    | Problem Statement (Problem to be solved) | Nowadays, parents concern more about serious cases such as missing children, abduction and abuse. They cannot sit with their children 24/7 hours to secure their children and monitor the children's activities                      |
| 2.    | Idea / Solution description              | Create a Child tracker that helps the parents monitor the child's location. The notification will be sent according to the child's location to their parents or caretakers. The entire location data will be stored in the database. |
| 3.    | Novelty / Uniqueness                     | The novelty of the work is that the system automatically alerts the parent/caretaker by sending a Notification , when immediate attention is required for the child during an emergency.                                             |
| 4.    | Social Impact / Customer Satisfaction    | The parents may get a notification about whether the child reached the school or not                                                                                                                                                 |
| 5.    | Business Model (Revenue Model)           | <ul style="list-style-type: none"><li>● Easy to use</li><li>● Low cost</li><li>● Weightless</li><li>● Compatible</li></ul>                                                                                                           |
| 6.    | Scalability of the Solution              | <ul style="list-style-type: none"><li>● Gadget ensures the safety and tracking of the children</li><li>● Parents need not worry about their children.</li></ul>                                                                      |