**Project Design Phase-I**

**Proposed Solution**

|  |  |
| --- | --- |
| Team ID | PNT2022TMID38891 |
| Project Name | IOT Based Safety Gadget For Child Safety Monitoring & Notification |

**Proposed Solution:**

|  |  |  |
| --- | --- | --- |
| **S.No** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | * Increasing of child kidnapping and child abuse * We proposes solution for the problem with a help of device that the child would wear * The parents or guardian would also be able to track the child location in real-time through a mobile app |
| 2. | Idea / Solution description | * The tracker would be linked to a parent's Smartphone, and would send an alert if the child strays too far from a designated safe area * The system could also include a sensor that would detect if a child has fallen, and would send an alert to the parent's phone * A system could include a GPS tracker that is worn by the child |
| 3. | Novelty / Uniqueness | * A new child safety monitoring system that uses GPS tracking to monitor the location of children could be a useful novelty for parents * This system could be used to set boundaries for children, and parents would be notified if their child crossed a boundary * The system could also be used to track the child's location in case of an emergency * The systems that use a combination of GPS and an app to provide more comprehensive tracking |
| 4. | Social Impact / Customer Satisfaction | * One of the most obvious impacts is that it can help to keep children safe from harm * This can help to prevent accidents and dangerous situations from occurring * Another potential impact of a child safety monitoring system is that it can help to reduce crime * Finally, a child safety monitoring system can also help to build trust between parents and children * By being able to see where their children are and what they are doing, parents can feel more confident that their children are safe and not getting into trouble * Overall customer satisfaction is high |
| 5. | Business Model (Revenue Model) | * The system is designed to work with the Revenue module family safety monitoring system * The systems are compatible and can be used to provide a complete solution for family safety * The device could cost around Rs.4000 to 5000 only and its affordable price to buy for all kind of families |
| 6. | Scalability of the Solution | * As the number of children using the device increases, the number of sensors required to monitor them also increases * The amount of data that needs to be processed and stored also increases * A scalable solution for child monitoring would need to be able to handle an increase in the number of users and sensors, as well as the data generated by them |