

Project Design PhaseI

Proposed Solution

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| Date | 24September2022 |
| TeamID | PNT2022TMID30696 |
| ProjectName | Project - IOT Based Safety Gadget forChildSafetyMonitoring&Notification |
| MaximumMarks | 2Marks |

ProposedSolution:

| S.No. | Parameter | Description |
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| 1. | Problem Statement(Problemto be solved) | Child abductors continue to kidnap children from their parents/legally appointed guardians in order to obtain a ransom for their own advantage. Parents have no other option than to see the actual circumstance of their children's situations. Kidnapping's crisis outcome might be exceedingly cynical and everlasting; additional precautions must be done to prevent children from abduction and its consequences. |

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| 2. | Idea/Solutiondescription | <p>A smart IOT tracking gadget is being created to help parents identify and monitor their children. In this project, we will create a wearable safety device that will reveal a child's current position on the parent's phone at any moment, putting a seal on their safety.</p> <p>The program not only allows you to track down your children while they are within Bluetooth range, but it also works when they are further away. Its tracker competence is exceptional if you dwell in heavily populated places such as cities or large towns. This implies that you will be able to see the identities of the devices that are participating, which helps to reduce their vulnerability in dangerous scenarios while also protecting children in emergency situations.</p> |
| 3. | Novelty/Uniqueness | <p>The system software involuntarily warns the parent/guardian by diverting a text message where prompt examination is required for the youngster during a disaster.</p> <p>Contrary to other devices, it has plenty of characteristics such as the development of sensor technology, availability of internet-connected devices; data analysis algorithms making IOT devices act smart in emergencies without human intervention.</p> |

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| 4. | Social Impact / CustomerSatisfaction | <p>Child kidnapping is a contentious issue all around the world. It is a complicated crime that can have serious consequences for a child's future. Parents should make certain that their children are safe and are not at risk of injury.</p> <p>If a scenario develops, alerts will be sent to the parents so that steps may be taken at the earliest possible moment. This ensures child safety and reduces crime rates. When parents are away from their children, they can keep them safe and stress-free.</p> <p>Precisely predicting the circumstances ofthechildrenandswiftlysensingtheproblemsaroundchildrenwillmakeparents at ease. It will be great helpful toparents who are busy workers not havingtime to watch over their children, and easytooperatesoanyonecanhandleit.</p> |
| 5. | Business Model (RevenueModel) | <p>The most demanded in today's market, since children require greater protection in this day and age. The device may be purchased at a reasonable price.</p> <p>Our device has several innovative features and will be accessible and advantageous to everyone, laying the groundwork for a significant revolution in goods.</p> <p>Itisadevicewithnumeroussubscriptionsfortracingandnotificationassistance.</p> |

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| 6. | ScalabilityoftheSolution | <p>This technology may be developed further by embedding a little camera into a smart device for increased security and protection, allowing a glance to be captured on the live footage on the parental phone during emergency situations.</p> <p>If a complication develops, parents may view some of the features of the kid, such as location, temperature, and heartbeat, as well as living viewpoint surrounding the children, without being discouraged.</p> |
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