Project Design Phase-I Proposed Solution Template

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| Date | 19 September 2022 |
| Team ID | IBM-Project-PNT2022TMID43472 |
| Project Name | IoT Based Safety Gadget for Child Safety  Monitoring & Notification |
| Maximum Marks | 2 Marks |

**TEAM MEMBERS:**

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | A tracker that helps parents track a child's location so that the child does not get into dangerous situations. |
| 2. | Idea / Solution description | Child tracker helps the parents in continuously monitoring the child's location. They can simply leave their children in school or parks and create a geofence around the particular location. By continuously checking the child's location notifications will be generated if the child crosses the geofence. Notifications 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 | A tracker used for child's safety and protection, such that it won’t interfere with the day to day life of the child as well as be a very easy to use interface for parents has not been developed yet. Hence, the proposed solution will ensure that there is a device that can be used in all areas, and uses different sorts of softwares integrated together to maintain accuracy and ensure the safety of the child. |
| 4. | Social Impact / Customer Satisfaction | Reduce the anxiety, worry and nervousness of a  parent when they are not around the child.  Having a peace of mind on the child's whereabouts will increase customer satisfaction, as well as the inclusion of an easy to use and interactive user interface.  The reduction of child kidnappings, injuries, accidents, and missing children in the country. |
| 5. | Business Model (Revenue Model) | Business to Consumer Model Licensing model  Subscription Model Freemium Model |
| 6. | Scalability of the Solution | By adopting multiple data storage technologies,  controlling the IoT data pipeline, and using automated bootstrapping we ensure that the device is highly scalable. |