

Project Design Phase-I
Proposed Solution Template

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| Date | 24 September 2022 |
| Team ID | PNT2022TMID46169 |
| Project Name | IOT BASED SAFETY GADGET FOR CHILD MONITORING AND NOTIFICATION |
| Maximum Marks | 2 Marks |

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

| S.No. | Parameter | Description |
|-------|--|---|
| 1. | Problem Statement (Problem to be solved) | The main issues nowadays are children trafficking. Parental care is majorly missing since both of them are working. Child Health condition has to be taken care and to solve these problems this child safety monitoring and notification came into account. |
| 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 geo fence around the particular location. By continuously checking the child's location notifications will be generated if the child crosses the geo fence. 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 | Our Proposed system includes more safety features in the wearable gadgets and the coverage of geo-fence is high comparing to existing system. |
| 4. | Social Impact / Customer Satisfaction | CHILD: Return home safely without any hindrance. PARENTS: They can be peaceful and monitor the status of their child from remote |
| 5. | Business Model (Revenue Model) | Highly recommended model due to its advanced features and can be affordable. Its user friendly nature makes this more popular in market. |
| 6. | Scalability of the Solution | The proposed model is IOT based and hence it will support more number of devices without any degradation in the quality of performance |

