

Project Design Phase-I Proposed Solution Template

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID26475 |
| Project Name | IoT Based Safety Gadget for Child Safety Monitoring & Notification |
| Maximum Marks | 2 Marks |

Proposed Solution Template:

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

| S.No. | Parameter | Description |
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| 1. | Problem Statement (Problem to be solved) | <ul style="list-style-type: none"> ➤ Currently a child's security is a crucial space of concern. Trafficked children are sold-out into slavery, domestic slavery, beggary, and therefore the sex trade. ➤ (This project provides the conception of sensible wearable devices for our little ones. And to stop kid trafficking.) |
| 2. | Idea / Solution description | <ul style="list-style-type: none"> ➤ The crime rate is day by day increasing. Schools and working places need high surveillance for ensuring the safety among children. ➤ The motive of this device is to assist find their kids with help of wearable device. The parents will send a text with specific keywords like "LOCATION" "TEMPERATURE" "UV" "SOS" "BUZZ" ETC. The tracking device can reply back providing the correct location of the kid and it will navigate through google maps. |
| 3. | Novelty / Uniqueness | <ul style="list-style-type: none"> ➤ At the moment there are several tracking device that helps us to note our children's activity with ease and additionally notice the kid using Wi-Fi and Bluetooth. However Wi-Fi and Bluetooth seem to be unpredictable medium of communication between the parent/guardian and kid. ➤ So the main focus of the project is to possess an SMS text enabled communication between the child's wearable and also the parent . |

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| 4. | Social Impact / Customer Satisfaction | <ul style="list-style-type: none"> ➤ The trafficking rate is day by day increasing. Children surrounding needs high surveillance for ensuring the safety among children. ➤ As a device is small , it is comfortable to wear specific for children. ➤ It is user friendly too. |
| 5. | Business Model (Revenue Model) | <ul style="list-style-type: none"> ➤ Device can be obtained by paying for the IBM cloud/Watson subscription. ➤ It can be either yearly or monthly. ➤ Based on the term of subscription of 5-8% discount shall be made available. |
| 6. | Scalability of the Solution | <ul style="list-style-type: none"> ➤ The future scope of the work is to implement the IoT device which ensures the complete solution for child safety problems. |