Project Design Phase-I Proposed Solution Template

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| Team ID | PNT2022TMID11856 |
| Project Name | IoT Based Safety Gadget for Child Safety Monitoring and Notification |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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| **S.No** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | In India, the safety of women and children has become a major concern. Violence and discrimination endanger the lives of women and prevent them from participating in social activities. |
| 2. | Idea / Solution description | * When Women/Children sense insecurity in this proposed work, they must press the trigger. * When the trigger is pressed, the GPS begins sharing the current location with the CubeSat via LoRa transceiver, also followed by a call and SMS to the police department and selected emergency contact numbers via GSM module. |
| 3. | Novelty / Uniqueness | * Parents can request user location when required instead of monitoring all the time. * Smart Hand Band wearable device that will allow them to communicate with others without the use of a mobile network by utilising a cube satellite. |
| 4. | Social Impact / Customer Satisfaction | Improved safety index of places, provides freedom for the children with special needs. |
| 5. | Business Model (Revenue Model) | * Selling the product directly to the parents (device + monthly subscription for tracking and notification service. * Selling the product to the childcare centres. |
| 6. | Scalability of the Solution | camera could be added to the device |