

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID05117
Project Name	IOT based safety gadget for child safety 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)	<ul style="list-style-type: none"> Child tracker helps the parents in continuously monitoring the child's location. By continuously checking the child's location notifications will be generated if the child crosses the geofence.
2.	Idea / Solution description	Develop a prototype of IoT wearable smart band connected to parents' mobile apps so that they can monitor the actual condition of children at anytime and anyplace
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> Monitored by Sensors Such as temperature sensor, proximity sensor, optical sensor, humidity sensor and micro sensor. Quality parameter will track continuously with standard measurements.
4.	Social Impact / Customer Satisfaction	Child safety and tracking is a major concern as the more number of crimes on children are reported nowadays.
5.	Business Model (Revenue Model)	The system is equipped with GSM and GPS modules for sending and receiving call, SMS between safety gadget and parental phone. The system also consists of Wi-Fi module used to implement IoT and send all the monitored parameters to the cloud for android app monitoring on parental phone.
6.	Scalability of the Solution	<ol style="list-style-type: none"> Child monitoring remotely Child safety Create Geo fence Notify in case of emergency High battery life, water resistant Monitor using mobile app