

**Project Design Phase-I**  
**Proposed Solution Template**

Date	7 October 2022
Team ID	PNT2022TMID26030
Project Name	IOT Based 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 increasing need for protection of the child at present times and also when child can be lost in crowded areas. Using Bluetooth and Wi-Fi not possible to track larger distance.
2.	Idea / Solution description	Wearable gadget which tracks health conditions of the child using temperature, heartbeat and accelerometer sensor and sends notifications to parents about child's health conditions through android mobile application.
3.	Novelty / Uniqueness	Real-time location tracking and integrate all the features offers by the existing system such as GPS Tracking, Sos. The application requires an initial registration along with emergency contact of user and they asked to update time to time. Whenever user is travelling from one place to another, the dynamic GPS Tracking Pub Nub's channel is turned on to view the user's location on map. When the Sos button is pressed then an alert message which contains the name of the user's location and a help message is sent via SMS. The user has access to first-aid information and toll free helpline phone Number.
4.	Social Impact / Customer Satisfaction	This gadget helps to monitor heartbeat, raise alarm in case of emergency, track the current location ,quick updation of child movements, overall these features makes the parents Stress Free.
5.	Business Model (Revenue Model)	It helps to reduce their vulnerability in harmful situations. It also means protecting children against social, psychological and emotional insecurity and distress.

6.	Scalability of the Solution	Quantitative and qualitative attributes of scaling up and that effective scaling up initiatives need to be adaptable, sustainable and successful in achieving their objectives. The importance of incorporating monitoring and evaluation throughout the scaling-up process is physical spread of activities, structures or materials described.SO physical spread of activities, structures or Materials.
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