Project Design Phase-I
Proposed Solution Template

Date	6 October 2022
Team ID	PNT2022TMID00975
Project Name	IOT Based Safety Gadget for Child Safety Monitoring and Tracking
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Attacks on children have been on the rise at an unprecedented rate in recent years, with victims finding themselves in perilous situations with little chances of contacting their families. The main goal of this project is to create a smart wearable device for children that uses advanced technology to ensure their safety. As a result, this strategy is perceived as sending an SMS from the children\'s wearable to their parents or guardians.
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 geofence around the particular location. By continuously checking the child's location notifications will be generated if the child crosses the geofence. 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	The Novelty of the work is that the system automatically alerts by sending SMS to Parents/ Caretaker When Panic button is Pressed.
4.	Social Impact / Customer Satisfaction	• Information is sent to parents when the child is out of geofence. • Crime rates can be reduced. • It is cost efficient and Real time tracking is possible.
5.	Business Model (Revenue Model)	• The Proposed system can be used for the child security • Selling the product directly to the parents. • Selling the product to the child care centres.
6.	Scalability of the Solution	• Parent could be able to track child using their separate android application provided for them and they locate and retrieve details anywhere and anytime. • Location accuracy can be increased and the size of the device is small.

		• It is easy to use and compatible device. • Parents need to worry about their children.