Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID19343
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 the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	An app that tracks and keeps track of a child's whereabouts is called a child tracking system. Every parent is aware of how challenging it is to constantly watch over and locate their children. It would be great if a device was available that could track a child's whereabouts constantly and notify them via text message. Making an IoT-based safety device that can send an SMS to the child's parents or caretakers to let them know something is wrong will alleviate their anxieties. The database stores the information that the device is tracking. A notification will be issued if the child leaves the geofence thanks to the design of the gadget.
2.	Idea / Solution description	To create a device that tracks the child's position continuously. By continuously tracking the child's whereabouts, alerts will be sent out if they venture outside the geofence. This device notifies the child's guardians or parents of their whereabouts.
3.	Novelty / Uniqueness	The notice is sent by the device so that the youngster passes the specific geofence. A database contains the tracked data. They can set up a geofence and keep an eye on their youngsters wherever they are going.
4.	Social Impact / Customer Satisfaction	The device so made is simply accessible by creating the necessary geofence and delivering notifications right away as the youngster leaves the designated region.
5.	Business Model (Revenue Model)	The device can be created to be small, wearable like a wristwatch, and cost-effective in order to be purchased by everyone and provide benefits. As a result, the sales and revenue will increase.
6.	Scalability of the Solution	Their knowledge of automation will increase as a result of the IoT-based solution, and the expandability it offers will revolutionise more scalable monitoring systems.