Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID15065
Project Name	IoT Based Safety Gadgets for Child Safety Monitoring and Notification
Maximum Marks	2 Marks

Proposed Solution Template:

The project team shall fill in the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Children are the future of the nation. Their security is subject to a greater extent of threat nowadays There aren't child safety options available that are affordable to most people. This system is very crucial because they can't safeguard themselves.
2.	Idea / Solution description	Within a specific area, a geofence, often known as a "circle of safety," is established around the youngster. This ensures that the child's location is constantly tracked and the parent can leave their child inside the geofence. A notification will be generated if the youngster unintentionally crosses the geofence. These alerts will be delivered to the child's parents or caregivers based on their location.
3.	Novelty / Uniqueness	The project's uniqueness is that it would immediately notify the parent without making a lot of delays as soon as the child crosses the circle of safety. This can guarantee that the parent can take on the necessary activities. In doing so, both child safety and crime rates can be improved. Through this project, a database can also be used to store the child's location.
4.	Social Impact / Customer Satisfaction	Since the child's position is always being tracked, both child safety and crime rates can be improved. This technique makes it relatively simpler to monitor a child's location. By this monitoring system, we can ensure that the parents are out of anxiety because in today's world every people undergo a lot of stress. Even the differently abled children would love to

		enjoy the outside world but their parents would be worried about their safety. This issue is also solved by this.
5.	Business Model (Revenue Model)	This project has a strong potential for generating income. Because of its low cost, even people in the middle class will be able to buy it. Even if they believe it to be costly, the government may pass along a tiny portion of the expense to those in need or divide it among EMIs. If the government and people show a lot of interest in this, this project will be a huge success.
6.	Scalability of the Solution	Our technology automatically keeps track of the child using the Internet of Things in real-time GPS. This undertaking can be improved. by incorporating a panic button that the When there is a problem, the youngster can tell the parent. Additionally, a temperature and heartbeat sensor be incorporated into this project to keep track of the child's safety