Project Design Phase-I
Proposed Solution Template

Date	13 October 2022
Team ID	PNT2022TMID34017
Project Name	Project - IOT Based Safety Gadget for Child Safety Monitoring & 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 aim of this project is to help parents to monitor their children's location and to see whether their child is safe or not. This system provides a tracking solution for the parent to keep tracking their child's location outdoors by using GPS as it allows them to determine the exact location of the child.
2.	Idea / Solution description	This system sends a notification message to parents and stores the data of the child's movement and geo space periodically. We aim to develop and provide a good interface that would give a tremendous output. The technology used here is PYTHON IDLE and CLOUD for storing data.
3.	Novelty / Uniqueness	This project is basically for the parents who cannot balance their children and work at the same time and also for nonworking parents. The uniqueness of our project is about geo fencing, high noise alert, alarm buzzer , temperature sensor and location monitoring.
4.	Social Impact / Customer Satisfaction	The parents will have the satisfaction that their child is safe and not involved in any critical

		situation even in their absence. Child abduction is a scorching subject all over the world. It is a complex crime that can impair a child's future. It will be great helpful to parents who are busy workers not having time to watch over their children, and easy to operate so anyone can handle it.
5.	Business Model (Revenue Model)	There is no need of buying any external components instead they can use their mobile phones to track. The business model is in such a way that everyone can afford it. It is very cost-efficient. We are cutting the cost in external components. It is a device with numerous subscriptions for tracing and notification assistance.
6.	Scalability of the Solution	Child safety monitoring is a guardian angel for the parents who can have the exact location of their child which helps to protect the child from any critical situations. So we resolve the problems like low noise notification, high standard geo fencing and since we store data in the cloud it can be retrieved when needed.