Project Design Phase-I
Proposed Solution Template

Date	27 September 2022
Team ID	PNT2022TMID16940
Project Name	Project – – IOT Based Safety Gadget For Child Safety 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)	More families are now spending time on work and social duties, hence away from their children. This causes increased concerns towards their safety and whereabouts, and has made keeping a track of their activities quite challenging. Crimes against children are increasing Year on Year. According to a study, roughly 60,000 children go missing in India every year . There is an assumption that every 10 minutes, a child goes missing. Mumbai and Delhi have the highest rate when compared to other metro cities . . Schools and working places need high surveillance for ensuring the safety among children and women. During the emergency, mobile apps alert the control room of nearby police station or caretakers of children. The solution to this problem is to design an IoT device, which senses the child's location and environment and during emergency, it should send the alert to the parents automatically.
2.	Idea / Solution description	There is a need to use IoT-based child safety monitoring and notification system because Child safety is a challenging problem nowadays due to antisocial elements in the society.
3.	Novelty / Uniqueness	The novelty of the work is that the system automatically alerts the parent by sending SMS, when immediate attention is required for the child during emergency.
4.	Social Impact / Customer Satisfaction	This mainly focuses on the child safety monitoring and notification providing security to the children it should send the alert to the parents automatically
5.	Business Model (Revenue Model)	This device will be given to the children for monitoring them regularly, We can use both web application as well as mobile application or either one of it as the front end user interface, cloud, and database as the back end for storing

		and retrieving information, and a device for monitoring.
6.	Scalability of the Solution	This IOT based safety gadget for child safety monitoring and notification system makes it easy for parents to track their children and to visually monitor them on regular basis, which makes them ensure the safety of their children and reduces the rate of incidents of child abuse..