

Project Design Phase-I
Proposed Solution Template

Date	23 September 2022
Team ID	PNT2022TMID33515
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	More family's spent their time for work and social duties but since Children are gift of God they need care of family. The current situation of our country is not comfortable for monitoring children in school. With the absence of child monitoring system it is hard to monitor the where about of children.
2.	Idea / Solution description	The Facilitator's Course is meant for any parent, teacher or adult interested in playing their part in child protection and helping their children participate in their safety. The course takes 5 minutes and prepares the adult to facilitate the Personal Safety course for children.
3.	Novelty / Uniqueness	The Internet of Things (IoT) carries enormous potential to change the world for the better. Projections for the impact of IoT on the Internet and the global economy are impressive, forecasting explosive growth in the number of IoT devices and their use in a wide variety of new and exciting applications.
4.	Social Impact / Customer Satisfaction	Some parents do not have the privilege to send or fetch their children at school. Parents usually give a hundred percent of trust to their children to travel themselves. Children who travel to and from school by themselves without monitor by their parents are exposed to danger along the way." Besides that, parents usually received late information if anything happen to their children.
5.	Business Model (Revenue Model)	The basic operation of the proposed child tracking system is that when a violation of child safe is detected, a specific sensor in child module will produce a signal. This signal will be sent from these sensors and GPS to microcontroller then through transmitter to parent module. The parent module will take

		the decision and start the violation handling procedure.
6.	Scalability of the Solution	All parent wish to shield their children from real dangerous they will inevitably undergo hard times. A child's behaviour may be a problem if it doesn't match the expectations of the family. So Parents may face many problems with their children, when they let them free without any observation especially if they have many children that may face many dangers.