Project Design Phase-I
Proposed Solution Template

Date	12 October 2022
Team ID	PNT2022TMID47921
Project Name	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)	The project is for child safety from, "**exposure to violence, family stress, inadequate housing, lack of preventive health care, poor nutrition, personal issues and substance abuse**" they are likely to have better outcomes in school and beyond.
2.	Idea / Solution description	Our idea towards child safety solutions by developing a gadget which can be tracked via its GPS locations and also a panic button on gadget is provided to alert the parent via GSM module calling for help. Parental android app is developed to manage and track the device anytime. Smart gadget device is always connected to parental phone which can receive and make phone calls and also receive SMS on gadget via GSM module, also a wireless technology is implemented on device which is useful to bound the device within a region of monitoring range, if device is moving out of monitoring range then an alert will be triggered on binding gadget, this helps you keep a virtual eye on child. Health monitoring system on gadget checking for parameters like heart beat/pulse rate and temperature is included which can be monitored on parental app. Gadget also monitors whether it is plugged on hand or not using contact switch and alert the parent as soon as it is unplugged

3.	Novelty / Uniqueness	1. Live Location Tracking 2. Panic Alert Systems 3. Stay Connected Feature 4. Health Monitoring System 5. Gadget Plugged or Unplugged Monitoring 6. Boundary monitoring system
4.	Social Impact / Customer Satisfaction	1. Cost efficient 2. Easy maintenance 3. Wearable 4. Quick alert 5. Child independent 6. Reduce parent's stress
5.	Business Model (Revenue Model)	A good revenue model is a proven technique used by Internet of things. By using our gadget for some features like live location tracking, Panic Alert Systems. Stay Connected Feature Health Monitoring System Gadget Plugged or Unplugged Monitoring, Boundary monitoring system.
6.	Scalability of the Solution	As our product is an important for now a days. Due to child abusement increased in this society. So, Our product is used by many user and have great demand on parent's society.