Project Design Phase-I
Proposed Solution

Date	22 September 2022
Team ID	PNT2022TMID23712
Project Name	IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION.
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	IOT based Safety Gadget for Child Safety Monitoring System
2.	Idea / Solution description	• Using Temperature Sensor (for measuring body temperature of the child) one of the most commonly measured variables. The heartbeat sensor is used in the proposed system for measuring the pulse rate. • Heartbeat/Pulse sensor combined to heart rate sensor with amplification and nullification(fast and easy to get reliable pulse reading) • GPS for location track and Navigation. • GSM for sending and receiving short message(Audio and video is shared instantly to parent directly through GSM Module)
3.	Novelty / Uniqueness	• The system automatically alert the Parent/Guardian by sending SMS, where immediate attention is required for the child during emergency. • Temperature & Heart rate of the child are used for parametric analysis and result are plotted for the same. • For real time prediction of monitoring the child at any time.
4.	Social Impact / Customer Satisfaction	• Parents track their children in real time of the location trackers by GSM. Improved safety index of places, provides freedom for the children with special needs. • Prevent their child from abuse and critical issues. The customer will be satisfied by assuring the safety of the child using safety gadget. • Result in a reduction of parents being worried. IOT and its insights help in personalising communication and prediction for attract them to specific fields.

5.	Business Model (Revenue Model)	• It is business model we first consider about cost and the gadget is not harmful to health, because the device was used by the person in. Service based product is developed to serve the parents to know the status of their children before they lost. • In case the children got accident or kidnaped, this can be reduced by using this project. • Weightless, Compatible, Easy to use, Low cost.
6.	Scalability of the Solution	• Gadget ensure the safety and tracking of the children, Parents need not worry about their children. Developing the product for both web and mobile applications. It is portable and data can be accessed from cloud at any time. • Ensuring cellular coverage for an IOT development may also prove difficult, especially when your developing devices across vast geographic areas.