

PROJECT DESIGN PHASE-I

Proposed Solution Template

DATE	24 SEPTEMBER 2022
TEAM ID	PNT2022TMID49507
PROJECT NAME	PROJECT-IOT BASED SAFETY GADGETS 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)	<ul style="list-style-type: none">I am a parent of a child .I am trying to monitor my child when she is away from home but it's an difficult task because it becomes challenging to constantly adhere my child.I am child safety officer .I am trying to find missing child but I am not able to track the child .This make me to find the alternate to solution the track the child.
2.	Idea/Solution description	<ul style="list-style-type: none">Check in High dangers area.Geo-fencing process is installed to monitor the activity of child.Cameras can be used to detect exact situation child.For tracking the location GPS Module can be installed.Pulse Sensors are able to sense current states of child and location detectors are enabled.Alert notification Enabled with GPS module received in parent mobile.
3.	Novelty /uniqueness	<ul style="list-style-type: none">The virtual geo-fencing system will be set up utilizing the GPS module.A warning message will be delivered to the parent smart phone if the child leaves the geo-fencing boundary and pi camera will immediately turn on capture the picture of child.

4.	Social impact/customer Satisfaction	<ul style="list-style-type: none"> • It helps to reduce security threats to the children. • Gives relief for parents. • Can able to reduce the kidnapping. • Enables to prevent the child from the unexpected situation. • Reducing the rate of incidents of child abuse. • Ensuring child safety and crime rate will be reduced.
5.	Business Model(Revenue Model)	<ul style="list-style-type: none"> • Smart watches has the features of tracking the location and it has the similar features like mobile phones. • Through this Geo-fencing techniques embedded in smart watches has able to track the missing child and cost is also moderate in prices. • The child safety wearable device can be directly approved by government and sell in the society.
6.	Scalability of the solution	<ul style="list-style-type: none"> • Instead of using batteries in wearable device we can use solar for power consumption and lifetime will be more. • Even if someone make changes in project automatic alert notification and camera will be turned on immediately without any delay and addition of other activities can be performed without interruption.