

**IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION
PROPOSED SOLUTION**

Date	24 September 2022
Team ID	PNT2022TMID18987
Project Name	IoT based safety Gadget for child safety monitoring and Notification.
Maximum Marks	2 Marks

S. No.	Parameter	Description
1.	Problem Statement	Many families are spending time on work and social duties, hence away from their children. This causes increased concern towards their child's safety and whereabouts, and has made keeping a track of their activities quite challenging. So the parent/ guardian need to ensure the safety of their children by receiving notifications and tracking to continuously monitor the child's location.
2.	Idea/Solution Description	A safety gadget to monitor the child's activity. By creating geofence, the GPS coordinates of the child will be sent to the IoT platform. Location of the child can be viewed in the web application. The web application will check if the child is inside the geofence or not. Notifies the parent if the child goes outside the geofence.
3.	Novelty	<ul style="list-style-type: none">• Accurate GPS coordinates are shared.• Notifications are sent immediately via SMS or e-mail if the child is out of geofence.
4.	Social Impact	<ul style="list-style-type: none">• Reduction in crime rates.• Information is sent to parent when the child is out of geofence.

5.	Business Model	<ul style="list-style-type: none"> • This device can be used in safety of women through wearables like watches and spectacles. • This device can also be used for vehicle tracking using GPS.
6.	Scalability of Solution	<ul style="list-style-type: none"> • Location accuracy can be improved. • Size of the device can be decreased.