

PROJECT OBJECTIVES

Team ID	PNT2022TMID33322
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification

To create a gadget that provides "Smart Child Safety" to protect children from abuse.

To help the parents locate their children with ease.

To provide an IoT-based advanced solution for monitoring the child and an emergency alert for safety purposes.

To monitor health conditions like heart rate, saturation level, etc. using several sensors connected to a gadget.

To enable tracking of the child's location and the capture of data remotely, such as where the child is located.

To make the parent feel that they are beside their children, ensuring their child's safety.

To provide alerts and methods of communication.

To alert the individual's child so as to locate the child in a safe zone before the arrival of their parent.

To send a notification in the form of a text message or SMS to their parent's phone about their children's conditions.

To optimise the required caretaker to take care of children and to reduce costs.

To enable the device to send notifications if the child is missing or when abnormal conditions or situations are detected.

To provide security to the child.

To show the child's actual data with a reference value.

The gadget aims to provide parents with a sense of security for their children in today's world.

To ensure increased efficiency of gadgets, which helps in the reduction of risks.

To develop a prototype of an IoT wearable smart band connected to parent's mobile apps so that they can monitor the actual condition of children at anytime and anyplace.

