

## Project Objective

Date	19 September 2022
Team ID	PNT2022TMID46762
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification

### Project Objective

The system is proposed with these objectives:

- Enable tracking of the child's location and capturing of data remotely such as
- To show the child's actual data with reference values.
- Enable sending of notification if the child is out of location or when the device realizes abnormal conditions/situations.
- To trigger the alarm and enable automatic video recording whenever the emergency button is pressed. Then, emergency notification along with real-time video will be sent to and display in the parents' mobile apps.
- Develop a prototype of IoT wearable smart band connected to parents' mobile apps so that they can monitor the actual condition of children at anytime and anyplace.
- The GPS coordinates of the child will be sent to the IBM IoT platform
- Location can be viewed in the Web Application
- A parent can create a geofence in the web application
- The web application will check if the child is inside or outside the geofence
- Notifies the parents if the child goes out of the geofence