PROJECT OBJECTIVES

Team ID	PNT2022TMID03637
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification
Maximum Marks	2 Marks

Project Objectives

By the end of this project you will:

- Gain knowledge of Watson IoT Platform.
- Connecting IoT devices to the Watson IoT platform and exchanging the sensor data.
- Gain knowledge on Cloudant DB
- Gain Knowledge of geofence
- Creating a Web Application through which the user interacts with the device.

Project Flow:

- 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

To accomplish this, we have to complete all the activities and tasks listed below:

- Create and configure IBM Cloud Services
  - ✞ Create IBM Watson IoT Platform
  - ✞ Create a device & configure the IBM IoT Platform
  - ✞ Create Node-RED service
  - ✞ Create a database in Cloudant DB to store location data

- Develop a web Application using Node-RED Service.
  - ✞ Develop the web application using Node-RED ✞ Integrate the geofence & google map

- Develop a python script to publish the location details to the IBM IoT platform.