

Project Objectives

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Team ID	PNT2022TMID33608
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification
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By the end of this project, we will:

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

Project Flow:

- The location sensor object is used to communicate with the global positioning satellite receiver in the phone.
- When the location sensor communicates with the built-in GPS receiver it can determine the location of your device.
- This gives an output proportional to temperature.
- Most temperature sensors are a positive coefficient, meaning that the sensor output increases as the temperature increases.
- Some temperature sensors have a negative coefficient, meaning that the sensor output goes down as the temperature increases.

To accomplish this, we must 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 o Integrate the geofence & google map
- Develop a python script to publish the location details to the IBM IoT platform