

PROJECT OBJECTIVES

PROJECT TITLE :

IoT Based Child Safety Monitoring System usins Raspberry Pi

TEAM ID : PNT2022TMID00858

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By the end of this project, we 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
- Creating a Web b 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 e Web Application A parent can create a Mobile application
- The web application will check if the child is inside or outside the mobile
- Notifies the parents if the child goes out of the mobile

To accomplish this, we must complete all the activities andtasks listed below:

- Create and configure IBM Cloud Services

- Create IBM Watson IoT Platform o Create a device & configure the IBM IoT Platform
- Create Node-RED service o 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