PROJECT OBJECTIVES

- 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 garbage bin will be sent to the IBM IoT platform

- The location of the bins along with bin status can be viewed in the Web Application

- Notifies the admin if the bin value crosses the threshold value

- 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

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