PROJECT OBJECTIVES

Date	19 October 2022
Team ID	PNT2022TMID34548
Project Name	Smart Waste Management System For Metropolitan Cities

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 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