PROJECT OBJECTIVES

SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES

PROJECT ID – PNT2022TMID03917

By the end of this project:

- ➢ 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

Project Description:

- Garbage level detection in bins.
- Getting the weight of the garbage in the bin.
- Alerts the authorized person to empty the bin whenever the bins are full.
- Garbage level of the bins can be monitored through a web App.
- We can view the location of every bin in the web application by sending GPS location from the device.

Technical Architecture: