Date	19 November 2022
Team ID	PNT2022TMID42272
Project Name	Project – Smart Waste Management in Metropolitan Cities

PROJECT OBJECTIVES

- The "**SMART WASTE MANAGEMENT FOR METROPOLITAN CITIES** " for effective management of bins and cleanliness of environment.
- Creating an app, there by the corporation of a particular locality inside a metropolitan city can check the garbage bins whether they are filled or not.
- This process is achieved by using an ultrasonic sensor to know the levels of garbage bin through cloud connection.
- People can experience a clean environment reducing the human effort involving in the garbage disposal process.
- This idea will be very much beneficial for a city corporation for monitoring the cleanliness of various parts of the city.
- GPS is accessed to know the location and the level of the bin is reported then and there

WEB APPLICATION

- Using node red, we created the application.
- Once the application is created, the information regarding the weight and bin level is received.
- And the locations of the filled bins are received.
- Python code is dumped into the node red blocks for detection process.
- The weight, bin level and location of the bins are stored in the cloud and access is given to the municipality and truck drivers.