

PROJECT OBJECTIVE

Date	19 NOVEMBER 2022
Team ID	PNT2022TMID13383
Project Name	Smart Waste Management System in Metropolitan Cities
Maximum Marks	2

PROBLEM STATEMENT:

The most common problem and the most dangerous problem of today's world is Waste Management and the Waste Disposal. Our project here is concerned about the "Smart Waste Management Systems in Metropolitan Cities." Major problem of our project is Managing and disposing the waste of metropolitan households in an efficient manner. Since the pollution and the environmental hazard are considered, our job here is getting more and more difficult. Our project is also focusing on the reducing the work of the municipal workers and the garbage collectors. Considering all the above problems above we conclude that our problem statement is "Managing the waste of metropolitan household and lowering the work of municipal workers with the science and technology."

PROJECT OBJECTIVE:

- To build a web application for the users and garbage collectors to know about the Smart bins Status.
- Creating web UI using the IBM platforms Such as IBM Watson Platform and the Nodered Platform.
- To Make the data accessible for the web app users using IBM Cloudant Database.

PROJECT FLOW:

- Based on the requirements given in the project description, the python code is developed.
- This python code consists of data collected from the Smart bins installed all over the metropolitan cities.
- The collected data is sent to the IBM Watson cloud. So, it can access from anywhere in the world.
- Then the sent data is connected to the node red using IBM Watson cloud.
- Web Application is created using the Nodered platform and there will be the data from the cloud which will be accessible for the users.

FLOW CHART:

