

Project Design Phase-I Solution Architecture

Team ID	PNT2022TMID07864
Project Name	Smart Waste Management System For Metropolitan Cities
Maximum Marks	4 Marks

Solution Architecture:

Design:

To segregate different types of waste and aiming for a clean environment by collecting the waste on a daily basis using modern technologies like notifications to notify the garbage collectors when the bin levels are high.

Usability:

- easy to segregate
- reduces pollution levels
- route optimization is done
- saves dumping area space

Approach - Functional Elements:

Our main aim is to make the environment pollution free, optimize the routes for garbage collectors by using the sensors and sending out notifications when the height level of the bin has reached a threshold value.



Example - Solution Architecture Diagram:

