

PROJECT DESIGN PHASE-I

Proposed Solution

Date	22 September 2022.
Team ID	PNT2022TMID15274.
Project Name	Smart Waste Management System In Metropolitan Cities.
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.no.	Parameter	Description
1.	Problem Statement (problem to be solved)	IOT based smart waste management is that, In cities the garbage are not collected if the dustbins are full, Because of these people are throwing waste on the road, This creates the bad sanitary conditions , this will lead to the more diseases.
2.	Idea/Solution description	The idea is we will create the dustbins with sensors, It will sense the level of the dustbins, If it is overloaded means it will send message to the municipal corporation and they will collect the garbage.
3.	Novelty/Uniqueness	In our project we are include the sensors which will give three level of alert Messages, when the dustbin is 60% full then it will give first alert message, If the dustbins is 80% full it will give second level of alert message, If it is 100% it will give third level of warning message.
4.	Social Impact/Customer Satisfaction	By including sensors in the dustbins the municipal corporation will clean the garbage in the regular basis so

		that we can avoid the insanitary conditions.
5.	Business Model (Revenue Model)	After the garbage are collected we will separate the garbage into the degradable and non degradable waste , by proper treatment we can make the degradable waste to the manure for agriculture land This will yield profit to us.
6.	Scalability of the Solution	We can add the sensors, which will detect the damage of the dustbins and give the alert message to the municipal corporation.