

Ideation Phase

Define the Problem Statements

Date	17 September 2022
Team ID	PNT2022TMID15872
Project Name	Smart Waste Management System For Metropolitan Cities
Maximum Marks	2 Marks

Customer Problem Statement:

A big challenge in the urban cities is solid waste management. The garbage collecting authority in traditional waste management system doesn't know about the level of garbage in dustbin, if the dust bins gets full by garbage then it gets overflowed as well as spilled out from the dustbin leading to unhygienic condition in cities. Nowadays, there are tons of flats and apartments which have been built in the rapid urbanization area. Unlike private houses, the residents of all the apartments use a common dustbin, which tends to fill up very quickly. This overflowing of garbage is a sanitary issue which might cause diseases like cholera and dengue. Moreover it is a waste of fuel to travel around a complex or an area to find that some of the garbage are filled and some are not. One of the main concerns with our environment has been solid waste management which impacts the health and environment of our society. The detection, monitoring and management of waste is one of the primary problems of the present era.

I am	noticing that our city is filled with garbage at every nook and corner.
I am trying to	prevent people from disease caused by spilling of garbage.
But	it is not possible to find a solution only by giving awareness to people about spillage of garbages.
Because	giving awareness doesnot reach every person
Which makes me feel	to develop a project on waste management to prevent each and every individual from disease.