

**IDEATION PHASE**  
**PROBLEM STATEMENT**

Date	19 September 2022
Team ID	PNT2022TMID15915
Project Name	Smart Waste Management System For Metropolitan Cities
Maximum Marks	2 Marks

**Problem Statement:**

Today big cities around the world are facing a common problem, managing the city waste effectively without making city unclean. This leads to a very inefficient and unclean system in which some dumpsters will be overflowing some dumpsters might not be even half full. This is caused by variation in population density in the city or some other random factor this makes it impossible to determine which part needs immediate attention. By 2030, almost two-third of the world's population will be living in cities. This fact requires the development of sustainable solutions for urban life, managing waste is a key issue for the health. In view of that, the efficient use and responsible handling of resources become more important. Sometimes, up to 60% of waste is not being collected, it is often simply burned by the roadside. It can pollute drinking water, it can spread disease to people living nearby. Waste management is all the activities and actions required to manage waste from its inception to its final disposal. This includes collection, transportation, treatment and disposal of waste together with monitoring and regulation.

I am	noticing that indiscriminate disposal of solid waste is a major issue in urban centers of most developing countries.
I am trying to	control over spilled waste containers giving off irritating smells causing serious health issues and atmosphere impairment.
But	municipalities have a hard time keeping up with these outdoor bins
Because	it is very difficult to figure out when to empty them or whether they are full or not at all.
Which makes me feel	to propose a real time project on waste management to save the city and the people.