

## Ideation Phase

### Define the Problem Statements

Team ID	PNT2022TMID21627
Project Name	Project - Smart waste management system for metropolitan cities

Due to lack of proper systems for disposal and collections, wastes and garbage's end up in the roads and surrounding.

The waste collecting authority in traditional waste management system doesn't know about the level of garbage in dustbin in roadsides.

Few waste treatment options are available to manage waste and so they are more expensive than landfill costs.

When waste gets overflowed as well as spilled out from the dustbin leading to unhygienic condition in cities.

Sometimes due to unclean wastes, bad smell arise cause toxic and unhygienic gases are produced which is way to support to the air pollution and harmful diseases which are easily spreadable.

Despite smart waste management plan and other policies is a still a big problem.

Design a smart waste collection system that allows citizens to segregate the various types of smart waste they want to dispose and the municipal authorities to efficiently collect the same.

Growing pressure on outdated waste management infrastructure, with declining levels of capital investment and maintenance.

Smart waste causes pollution in any form interferes with our food chain, health, amenities etc,.