

## Ideation Phase

### Define the Problem Statements

|               |   |
|---------------|---|
| Date          | 19 September 2022   |
| Team ID       | :PNT2022TMID46042   |
| Project Name  | Project - Smart waste management system for metropolitan cities |
| Maximum Marks | 2 Marks   |

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 for managing waste as they are expensive landfill cost

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.

Despi  
smart  
manag  
plan a  
other p  
is  
bi  
pr

Design a smart waste collection system that allows citizens to segregate the various types of smart waste they want to dispose of the municipal authorities efficiently collect 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Growing pressure on outdated waste management infrastructure, with declining levels of capital investment and maintenance.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.,