

## Ideation Phase

### Define the Problem Statements

Date	29 April 2023
Team ID	NM2023TMID08877
Project Name	Smart City Waste Management System with Connected Trash Cans
Maximum Marks	

#### Customer Problem Statement :



<b>Problem Statement (PS)</b>	<b>I am (Customer)</b>	<b>I'm trying to</b>	<b>But</b>	<b>Because</b>	<b>Which makes me feel</b>
PS-1	Busy city worker	Dispose of my waste	Hard to find trash cans	Trash cans are often overflowing	Guilty and frustrated
PS-2	Business owner	Maintain a clean and welcoming storefront	Traditional trash cans attract pests	Trash cans often overflow	Worried about the impact on my customers
PS-3	Local environmental activist	Reduce waste and promote sustainability	It is hard to make a meaningful impact on peoples	Traditional waste management systems are inefficient	Helpless and frustrated
PS-4	City official	Manage waste and maintain a clean and safe environment	It is challenging to provide adequate resources	Traditional waste management systems are expensive and inefficient	Overwhelmed and like I am failing to meet the needs of the community