Ideation Phase
Define the Problem Statements

Date	20 June 2025
Team ID	LTVIP2025TMID29572
Project Name	Sustainable Smart City Assistant
Maximum Marks	2 Marks

Customer Problem Statement By Functionality:

Problem Statement (PS-1)	
I am	A citizen living in a rapidly growing urban area
I'm trying to	Live sustainably and contribute positively to my city's development
But	I face challenges like inefficient recycling, rising pollution, and uneven access to city resources
Because	I lack access to real-time environmental data and city comparison tools
Which makes me feel	Disconnected, uninformed, and unable to make meaningful, eco-conscious decisions

Problem Statement (PS-2)	
I am	A resident trying to dispose of household waste responsibly
I'm trying to	Find the correct way to recycle different types of waste
But	I often don't know which materials go into which bins.
Because	There is no easily accessible tool that gives personalized recycling suggestions
Which makes me feel	Confused and discouraged from recycling correctly

Problem Statement (PS-3)	
I am	A curious citizen interested in urban innovation
I'm trying to	Visualize what a sustainable future city could look like
But	I have no way to generate visuals or models based on my ideas or text inputs
Because	There are no tools that use AI to convert my imagination into visual representations
Which makes me feel	Limited in creativity and less engaged in future city planning

Problem Statement (PS-4)	
I am	A researcher or city planner
I'm trying to	Understand how my city compares to others in terms of sustainability
But	There's no platform that provides side-by-side comparisons of urban health indicators
Because	Data is scattered and difficult to interpret without technical tools
Which makes me feel	Frustrated and uncertain about prioritizing improvements