

Ideation Phase
Define the Problem Statements

Date	29 June 2025
Team ID	LTVIP2025TMID44727
Project Name	CleanTech: Transforming Waste Management with Transfer Learning
Maximum Marks	2 Marks

Customer Problem Statement Template:

Customer Problem Statement Template

Problem Statement (PS)

I am (Customer): A municipal waste handler or city waste authority

I'm trying to: Classify waste accurately and efficiently

But: Manual sorting is slow, prone to errors, and inconsistent

Because: There is a lack of intelligent and accessible automation tools

Which makes me feel: Frustrated and overwhelmed by increasing waste management complexity

Example:

PS-1

Municipal workers lack real-time tools for identifying and classifying waste types on-site.

PS-2

Environmental teams struggle to sort waste correctly due to ambiguous packaging and human error.