**Ideation Phase**

**Define the Problem Statements**

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| 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.