Ideation Phase
Define the Problem Statements

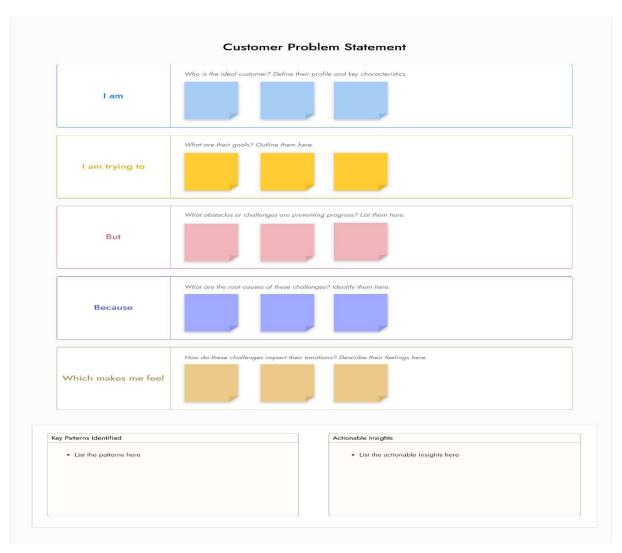| Date	27 June 2025
Team ID	LTVIP2025TMID59867
Project Name	Pattern Sense: Classifying Fabric Patterns using Deep Learning
Maximum Marks	2 Marks

Customer Problem Statement Template:

In the textile and fashion industries, identifying and categorizing fabric patterns (e.g., floral, striped, polka dot, geometric) is essential for inventory management, design cataloguing, quality control, and customer recommendation systems. Traditionally, this task relies on manual inspection, which is time-consuming, subjective, and prone to inconsistency.

With the growth of digital fashion platforms and large-scale textile production, there is a pressing need for an automated, scalable, and accurate method to classify fabric patterns from images.

Reference: https://miro.com/templates/customer-problem-statement/

Customer Problem Statement

I am — Who is the ideal customer? Define their profile and key characteristics.

I am trying to — What are their goals? Outline them here.

But — What obstacles or challenges are preventing progress? List them here.

Because — What are the root causes of these challenges? Identify them here.

Which makes me feel — How do these challenges impact their emotions? Describe their feelings here.

Key Patterns Identified
- List the patterns here

Actionable Insights
- List the actionable insights here

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	food processing plant head	make my workers manually sort to separate the rotten ones from the fresh produce.	this process is time-consuming and prone to human error.	the whole process is in manual operations	like frustrated
PS-2	Supermarket manager	maintain customer satisfaction with product freshness	it is difficult to sort manually	the freshness of these products is crucial	like frustrated to sort