**Ideation Phase**

**Define the Problem Statements**

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID41423 |
| Project Name | Pattern Sense: Classifying Fabric Patterns using Deep Learning |
| Maximum Marks | 2 Marks |

**Customer Problem Statement Template:**

Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love.

A well-articulated customer problem statement allows you and your team to find the ideal solution for the challenges your customers face. Throughout the process, you’ll also be able to empathize with your customers, which helps you better understand how they perceive your product or service.

Graphical user interface, text, application, email

Description automatically generated

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

**Example:**

Chart, treemap chart

Description automatically generated

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| --- | --- | --- | --- | --- | --- |
| **Problem Statement (PS)** | **I am (Customer)** | **I’m trying to** | **But** | **Because** | **Which makes me feel** |
| PS-1:Manual Fabric Pattern Classification in the Textile Industry | I’m a designer struggling to find harmonious colour palettes for my textile designs. | I’m trying to create visually appealing patterns that capture the essence of nature. | But I’m facing difficulties in selecting colours and fabric type that work well together. | Because I lack a systematic approach to colour selection and pattern creation. | Which makes me feel frustrated and uncertain about my design and fabric type choices. |
| PS-2:Lack of Scalable Tools for Pattern Recognition in Design Applications | I’m a hobbies crafter looking to create unique and personalized gifts. | I’m trying to design custom patterns for fabric, paper or other materials that reflect the recipient’s personality. | But I’m struggling to balance colours, shapes and textures in a way that creates cohesive and visually appealing design. | Because I don’t have a clear understanding of how to apply pattern design principles effectively. | Which makes me feel disappointed and unsure about my crafting abilities. |