

## Empathy Map Canvas

Ideation Phase

Empathize & Discover

Date: 15 June 2025

Team ID: LTVIP2025TMID34516

Project Name: Pattern Sense: Classifying Fabric Patterns Using Deep Learning

Maximum Marks: 4 Marks

### Empathy Map Canvas:

An empathy map is a simple, easy-to-digest visual that captures knowledge about a user's behaviours and attitudes. It is a useful tool to help teams better understand their users. Creating an effective solution requires understanding the true problem and the person who is experiencing it. The exercise of creating the map helps participants consider things from the user's perspective along with their goals and challenges.

**User Persona: Fabric Quality Inspector / Textile Manufacturer / Fashion Designer**

#### 1. Says

- "I need accurate and fast identification of fabric patterns."
- "Manual classification is time-consuming and error-prone."
- "I want technology that can adapt to various fabric types and styles."

#### 2. Thinks

- "Will this system reduce human error?"
- "Can deep learning be trusted for industry-grade pattern classification?"
- "How easy is it to train and maintain this system with new data?"

#### 3. Does

- Inspects fabric samples daily for classification.
- Takes notes or uses traditional systems.
- Refers to catalogs or expert advice when unsure.

#### 4. Feels

- Frustrated with repetitive, error-prone manual work.
- Curious about AI-based solutions.
- Cautiously optimistic about integrating automation in workflow.