Date	31 January 2025
Team ID	LTVIP2025TMID34512
Project Name	Pattern Sense: Classifying Fabric Patterns using Deep Learning
Maximum Marks	4 Marks

Empathy Map Canvas:

Empathy mapping is a valuable tool for businesses looking to deepen their understanding of who their customers are and what they want. It forces teams to empathize with users, provides insights for product development, and helps businesses improve the user experience. An Empathy Map Canvas can be a useful tool for understanding user needs and preferences when developing a deep learning system for classifying fabric patterns. By stepping into the user's shoes, designers can better tailor the system to be intuitive, effective, and enjoyable to use.

Example: Understanding the manufacturer's mindset

Pattern Sense: Classifying Fabric Patterns using Deep Learning

SAYS
..We spend too much time sorting fabric patterns."
„It's hard to maintain consistency in pattern identification."
Accurate categorization improves product recommendations."

THINKS
I wish this process was automated.
Manual classification slows production.
If AI handles this, we can focus on design and creativity."

DOES
Manually tags or classifies fabric images
Reviews thousands of product images
Trains staff for pattern identification
Struggles to ensure consistency across catalogues

Frustrated with repetitive tasks
Overwhelmed by volume
Curious but cautious about AI adoption
Excited for potential automation benefits

FEELS

PAINS
• Time-consuming manual classification
• Inconsistent results across teams
• Errors affecting customer experience

• Automated, consistent fabric pattern classification
• Faster product catalogzing and search
• Improved user experience on commerce platforms
• Reduced human error