Ideation Phase Empathize & Discover

Date	30 June 2025
Team ID	LTVIP2025TMID32913
Project Name	Pattern sense : classifying fabric using deep learning
Maximum Marks	4 Marks

EMPATHY MAP **PATTERN SENSE** SAYS THINKS Manual work is slowing down I spend too much time our creative and production timelinorganizing fabric images I need a system that understa-Pattern classification istedious nds the visual complexity of taband not always acurate bric patterns · I wish there was a tool There's a risk of human to automate this error in pattern tagging If only there were a smart tool trained specifically on textile images SEES Colléagues struggling **9 HEARS** with repetitive tasks "This looks like floral, no walt-· Hundreds of fabric swatches/ maybe abstract?" images to be sorted manually "We need faster turnaround for · Confusion when multiple people cataloguing. interpret patterns differenty "Customers-compplain about · Lack of advanced AI solutions incorrect filters on the website tailored to textile riéeds Scalable solution that part to growing datasets PAINS **Ø GAINS** • Time-consuming manual classification · Faster and more consistent pattern recognition

More time to tocus on design, markeling

SAYS

- "I spend too much time organizing fabric images."
- "Pattern classification is tedious and not always accurate."
- "I wish there was a tool to automate this."

· Inconsistency and lack of accuracy

• "My team struggles to stay consistent when labeling patterns."

☐ THINKS

- "Manual work is slowing down our creative and production timelines."
- "I need a system that understands the visual complexity of fabric patterns."
- "There's a risk of human error in pattern tagging."
- "If only there were a smart tool trained specifically on textile images."

\square SEES

- Colleagues struggling with repetitive tasks.
- Hundreds of fabric swatches/images to be sorted manually.
- Confusion when multiple people interpret patterns differently.
- Lack of advanced AI solutions tailored to textile needs.

\square HEARS

- "This looks like floral, no wait—maybe abstract?"
- "We need faster turnaround for cataloging."
- "Customers complain about incorrect filters on the website."
- "Can we automate this part of the process somehow?"

\square PAINS

- Time-consuming manual classification.
- Inconsistency and lack of accuracy.
- Limited scalability for large inventories.
- Frustration from repetitive, low-impact tasks.

\Box **GAINS**

- Faster and more consistent pattern recognition.
- More time to focus on design, marketing, and sales.
- Improved customer satisfaction with accurate product filtering.
- Scalable solution that adapts to growing datasets.