

PATTERN SENSE: CLASSIFYING FABRIC PATTERNS USING DEEP LEARNING

Ideation Phase Brainstorm & Idea Prioritization Template

Date	27 June 2025
Team ID	LTVIP2025TMID59821
Project Name	Pattern Sense: Classifying Fabric Patterns using Deep Learning
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

Reference: <https://www.mural.co/templates/brainstorm-and-idea-prioritization>

Step-1: Team Gathering, Collaboration and Select the Problem Statement



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Step-2: Brainstorm, Idea Listing and Grouping

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Brainstorm

In large textile warehouses and factories, workers manually sort and classify thousands of fabric rolls with different patterns daily. This manual classification is slow, subjective, and prone to mistakes. By implementing Pattern Sense with deep learning for fabric pattern recognition, we can automate the categorizing process, minimize human error, and enhance inventory management.

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Group ideas

Ideas include building an application to detect and classify the pattern of a given fabric image accurately, integrating the system with existing inventory management software, and developing a web interface where users can upload images and instantly get pattern classification results.

Brain

Users

Procs

Outputs

Step-3: Idea Prioritization

