Ideation Phase
Brainstorm & Idea Prioritization Template
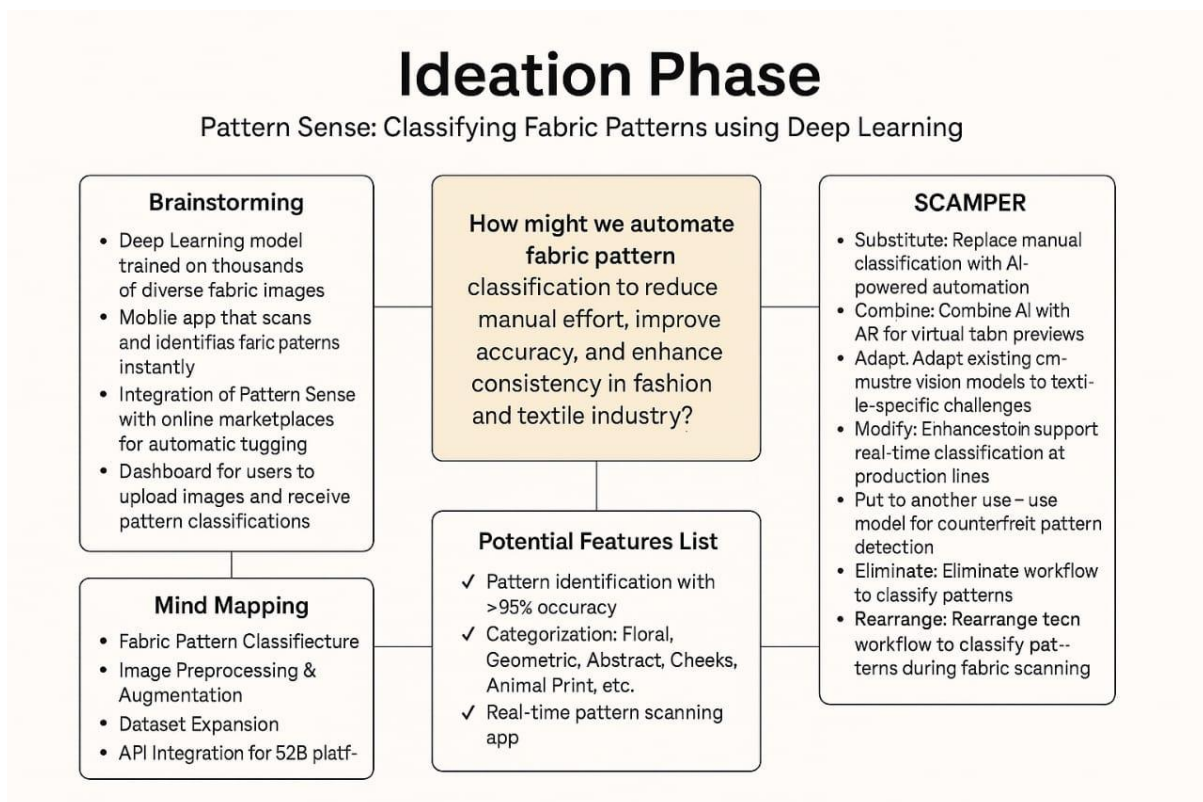
Date	31 January 2025
Team ID	LTVIP2025TMID34512
Project Name	Pattern Sense: Classifying Fabric Patterns using Deep Learning
Maximum Marks	4 Marks

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.

The ideation phase for "Pattern Sense," classifying fabric patterns using deep learning, involves brainstorming various ideas and prioritizing them based on their feasibility and potential impact. This stage focuses on generating diverse ideas and selecting the most promising ones for further development.

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

Step-2: Brainstorm, Idea Listing and Grouping

Brainstroming Ideas

- **Technical Ideas**
  - Deep Leaming model using Convolutional Neural Networks (CNN) forate-recognition
  - Dataset with duerse, labelel fabric patterns (floral, geometric, striped)
  - AI model that improvs with time with feedback (Active Learning)
- **User-Facing Solutions**
  - Mobile App for Pattern-Time-1m/ I ridentification
  - Web platform for bulk·image uploads and automated classification
  - AR feature to visuaiize patterns on virtual garments
- **Advanced Features**
  - Pattern recommendation engine for designers
  - Detect counterfeit odor / duplicate patterns
  - Auto-tagging systom for e-comers ause platforms

Idea Prioritization Matrix

Idea	Feasibility (1-5)	Impact (1-8)
CNN Model for Pattern Classification	5	5
Mobile App for Real-Time Scanning	4	5
Dataset Expansion with Diverse Fabrics	5	4
API for E-commerce Integration	4	4
AR Virtual Garment Previews	2	4
Counterfeit Pattern Detection	3	3

Step-3: Idea Prioritization

4

Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

⏱ 20 minutes

Importance

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

TIP
Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H key** on the keyboard.

Feasibility

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)