

Project Design Phase-II
Data Flow Diagram & User Stories**

Date	31 January 2025
Team Id	LTVIP2025TMID41819
Project Name	Pattern Sense: Classifying Fabric Patterns Using Deep Learning
Maximum Marks	4
Team members	5

Data flow:

1. Data Flow Overview

Component	Description
User Input	User uploads fabric image via mobile/web interface
Processing Step 1	Image is passed to the deep learning classification model
Processing Step 2	Model predicts pattern class (e.g., floral, geometric, plain)
Output	Classified pattern displayed to the user
Storage	Result is stored in database for future reference/history

2. User Stories Table

User Type	Ep ic	User Story No.	User Story / Task	Acceptance Criteria	Pri orit y	Rel ea se
Custome r (Mobile user)	Reg istr atio n	USN-1	As a user, I can register using email and password.	Can access dashboard post-registration	Hig h	Spr int- 1
		USN-2	I receive confirmation email after registration.	Can confirm registration via email	Hig h	Spr int-

User Type	Ep c	User Story No.	User Story / Task	Acceptance Criteria	Pri orit y	Rel ea se
						1
		USN-3	I can register using Facebook.	Can log in via Facebook and access dashboard	Low	Spr int- 2
		USN-4	I can register using Gmail.	Can log in via Gmail	Me diu m	Spr int- 1
	Log in	USN-5	I can log in using email and password.	Valid credentials redirect to dashboard	Hig h	Spr int- 1
	Das hbo ard	USN-6	I can upload fabric images for classification.	Image uploads and pattern classification works	Hig h	Spr int- 2
		USN-7	I can view upload history.	Past uploads shown correctly	Me diu m	Spr int- 2

3. (Optional) Web User, Admin, Executive - Placeholder

User Type	Ep c	User Story No.	User Story / Task	Acceptance Criteria	Priorit y	Relea se
Customer (Web user)	—	—	—	—	—	—
Customer Care Executive	—	—	—	—	—	—
Administrator	—	—	—	—	—	—