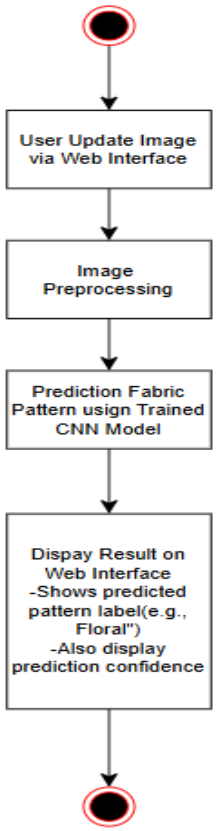
Project Design Phase-II
Data Flow Diagram & User Stories

Date	31 January 2025
Team ID	LTVIP2025TMID59828
Project Name	Pattern Sense: Classifying Fabric Patterns Using Deep Learning
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Flow Diagram:



3.2.2 User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Food Processing Plant Head	Image-Based Freshness Detection	USN-1	As a plant head, I want to upload images of products to detect freshness.	System accepts image uploads, correctly predicts freshness (Healthy/Rotten) with at least 90% accuracy.	High	Sprint-1
	Real-Time Sorting Assistance	USN-2	As a plant head, I want instant freshness feedback so that sorting staff can separate unhealthy items quickly.	System displays clear, quick results after image upload without requiring technical expertise.	Medium	Sprint-1
Supermarket Manager	Quality Verification	USN-3	As a supermarket manager, I want to verify the freshness of incoming stock to reduce customer complaints.	System allows image upload of stock items, predicts freshness, and generates confidence levels above 90%.	High	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
	Mobile Compatibility	USN-4	As a supermarket manager, I want to use the system on my mobile device so that I can inspect stock directly.	Web interface is fully responsive and accessible on mobile devices without functional limitations.	Low	Sprint-3