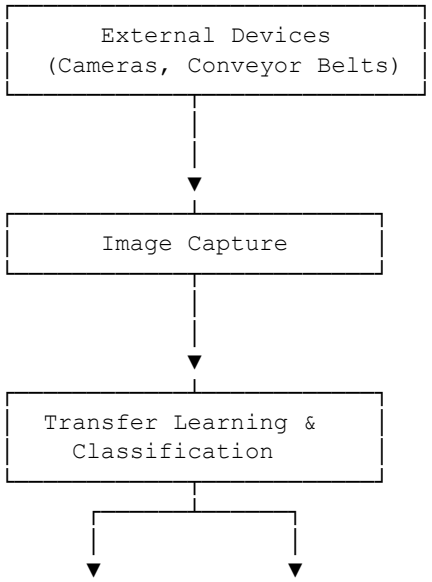
Project Design Phase-II
Data Flow Diagram & User Stories

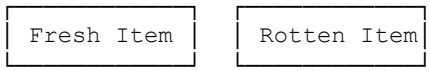
Date	18 February 2026
Team ID	LTVIP2026TMIDS80710
Project Name	Smart Sorting:Tranfer Learning for Identifying rotten fruits and vegetables
Maximum Marks	4 Marks

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.

Example: Smart Sorting System





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
System Admin	Camera Setup & System Initialization	USN-1	As an admin, I can configure camera inputs and system parameters.	Cameras are connected and system starts capturing images.	High	Sprint-1
Operator	Image Classification & Monitoring	USN-2	As an operator, I can view real-time classification of produce.	System displays and sorts fresh/rotten produce in real time.	High	Sprint-1
Operator	Monitoring Results	USN-3	As an operator, I can view logs of rotten and fresh counts per batch.	Operator sees log file or report of classification counts	Medium	Sprint-2
Retail Staff	Scan Incoming Shipments	USN-4	As retail staff, I can scan incoming produce to detect any rotten items.	Rotten produce is flagged before shelf stocking.	High	Sprint-2
Home User	Smart Fridge Alerts	USN-5	As a user, I receive alerts when fruits or vegetables in the fridge start rotting.	Notification sent to mobile when item starts degrading.	Medium	Sprint-3
Home User	App Notifications	USN-6	As a user, I get suggestions on which produce to consume first.	App shows list sorted by spoilage detection.	Low	Sprint-3