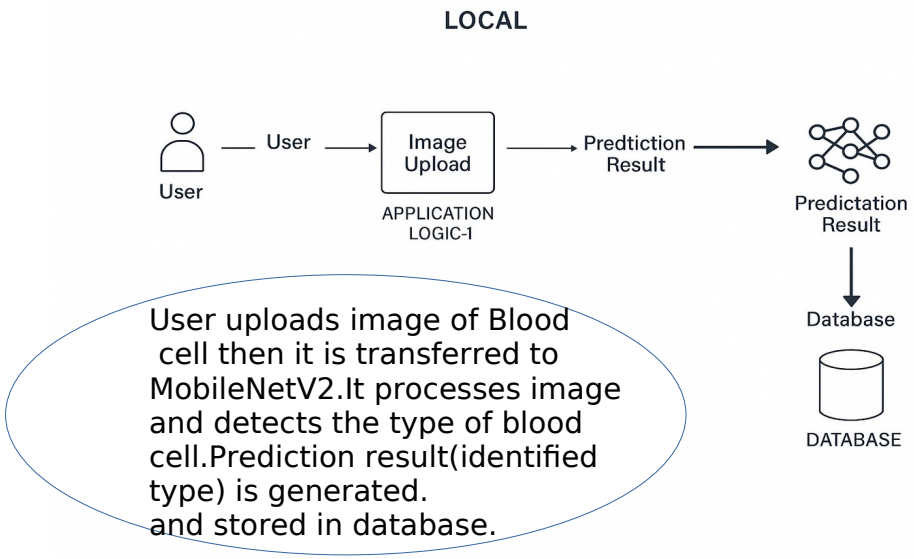
Project Design Phase-II
Data Flow Diagram & User Stories

Date	26 June 2025
Team ID	LTVIP2025TMID45471
Project Name	Hematovision – Advanced Blood Cell Classification using Transfer Learning
Maximum Marks	4 Marks

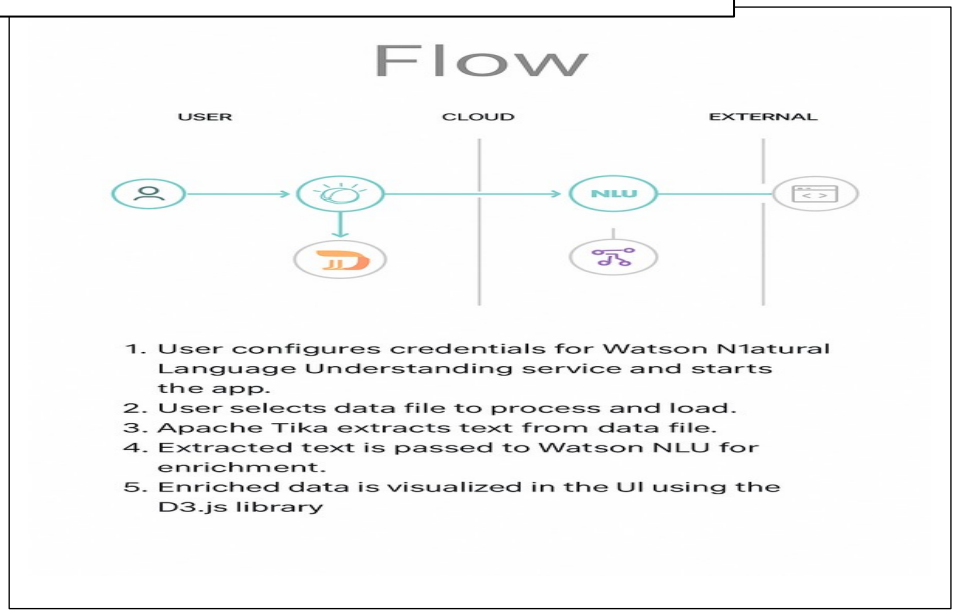
Data Flow Diagrams:

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.

Example: (Simplified)



Example: DFD Level 0 (Industry Standard)



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
Customer (Web user)	Image Upload	USN-1	As a user, I can upload a Blood Cell image from my system.	Image file (JPG/PNG) is accepted and previewed.	High	Sprint-1
	Image Upload	USN-2	As a user, I receive an error if I upload an invalid file.	Invalid file types are rejected with a message.	Medium	Sprint-1
	Blood Cell Type Detection	USN-3	As a user, I can get a prediction for uploaded image.	Model output is shown with confidence score.	Higj	Sprint-2
	Prediction Result Display	USN-4	As a user, I can view the Blood cell type and confidence level.	Blood Cell type and percentage is displayed.	High	Sprint-2
	History Tracking (Optional)	USN-5	As a user, I can view my previous uploaded images and results.	History is shown in tabular or card form.	Low	Sprint-1
Administrator	Model Management	USN-6	As an admin, I can update the model or re-deploy it when a better version is read.	New model file can be uploaded into the system.	Medium	Sprint-2
	Dataset Expansion (Optional)	USN-7	As an admin, I can add new images to retrain or improve the model.	New image added to training dataset folder.	Low	Sprint-2