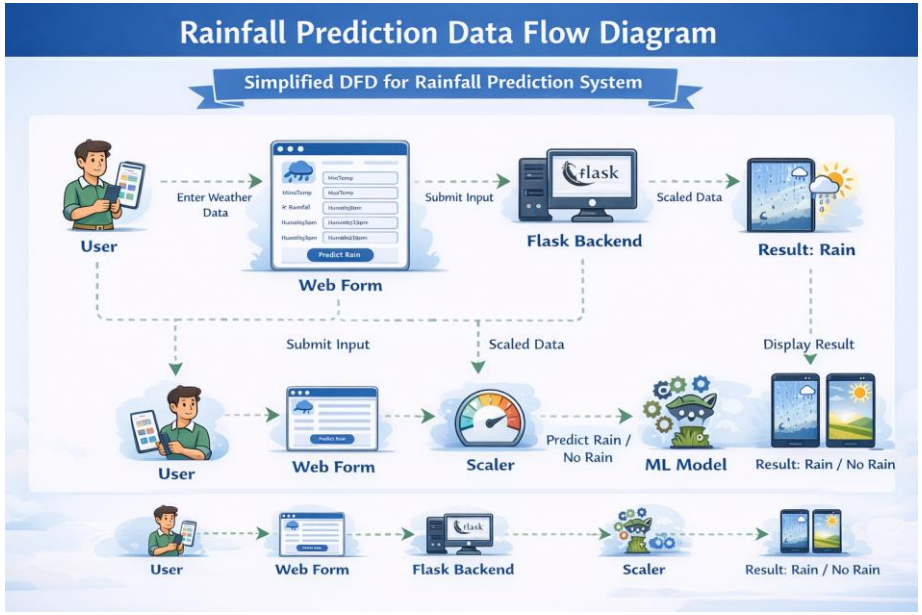
Project Design Phase-II
Data Flow Diagram & User Stories

Date	20 February 2026
Team ID	LTVIP2026TMIDS83775
Project Name	Exploratory Analysis of Rain Fall Data in India for Agriculture
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) represents how data flows through the Rainfall Prediction system. It shows how user input is processed, transformed, and how the prediction result is generated.

Example: (Simplified)



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
user	Enter Weather Data	USN-1	As a user, I want to enter weather parameters so that I can know if it will rain tomorrow.	Input fields accept valid numerical values.	High	Sprint-1
user	Input validataion	USN-2	As a user, I want system to validate my input data.	Only numeric values are accepted and empty fields are not allowed.	High	Sprint-1
user	Rainfall prediction	USN-3	As a user, I want the system to predict whether it will rain tomorrow.	Prediction result (Rain / No Rain) is displayed clearly.	High	Sprint-1
user	Display result	USN-4	As a user, I want the result to be displayed with appropriate background and message.	Rain page shows rainfall image and No Rain page shows sunshine image.	High	Sprint-1
user	Error Handling	USN-5	As a user, I want an error message if input is invalid.	System shows proper error message for invalid or missing input.	Medium	Sprint-2