

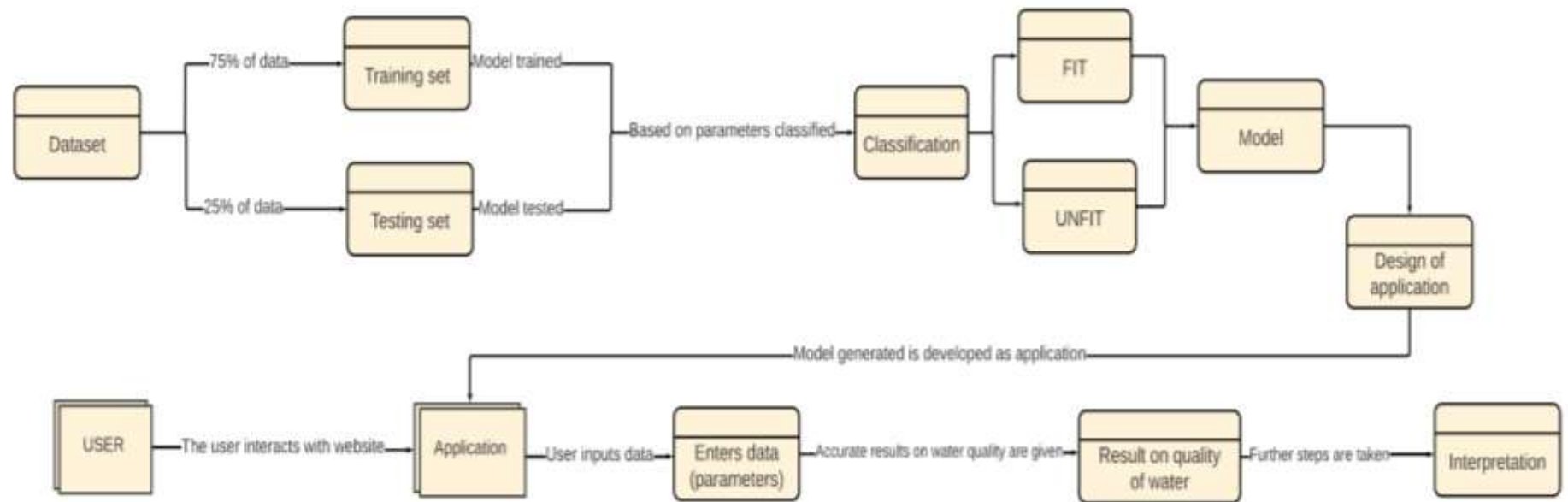
Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID21489
Project Name	Essential Water Quality Analysis and Prediction using Machine 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.

ESSENTIAL WATER QUALITY DETECTION DATA FLOW DIAGRAM



USER STORIES:

Here we have listed all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Usability & Compatibility	USN-1	As a mobile user, I want to use the application using my mobile phone.	I can use my phone to access the website.	High	Sprint-1
	Login & Registration	USN-2	As a user, I can register for the application through Facebook.	I can register & access the dashboard with Facebook Login	Medium	Sprint-2
	Authentication	USN-3	As a user, I will receive a confirmation email once I have registered for the application	I can receive a confirmation email & click confirm	Low	Sprint-2
Customer (Web user)	Login & Registration	USN-4	As a user, I can register for the application through Gmail	I can register & access the dashboard with a Gmail login	Medium	Sprint-1
		USN-5	As a user, I can log into the application by entering my email & password	I can get to the dashboard after signing in	Medium	Sprint-2
	Data management	USN-6	As a user, I can enter data into the website securely	I can enter data only within the constraints	High	Sprint 1
		USN-7	As a user, I should give parameters of water as inputs	I can enter data only within the constraints	High	Sprint 1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
			As a user, I can view the water quality in the dashboard	I can get the classification category of water	High	Sprint 1
Customer Care Executive	Authorization levels	USN-8	As an executive, I should check the navigation of the website.	I can make the usability of the website easier.	Medium	Sprint 2
		USN-9	As an executive, I should check on the accuracy of the results on the website.	I can get a visual representation of the results	High	Sprint 1
Administrator	Pre-processing	USN-10	As an administrator, I can add new predictions to the training dataset	New records are visible in the updated dataset	Low	Sprint 3
		USN-11	As an administrator, I can remove incomplete records	Updatations are visible in the updated dataset	Low	Sprint 3
		USN-12	As an administrator, I can remove unimportant features	Updatations are visible in the updated dataset	High	Sprint 3