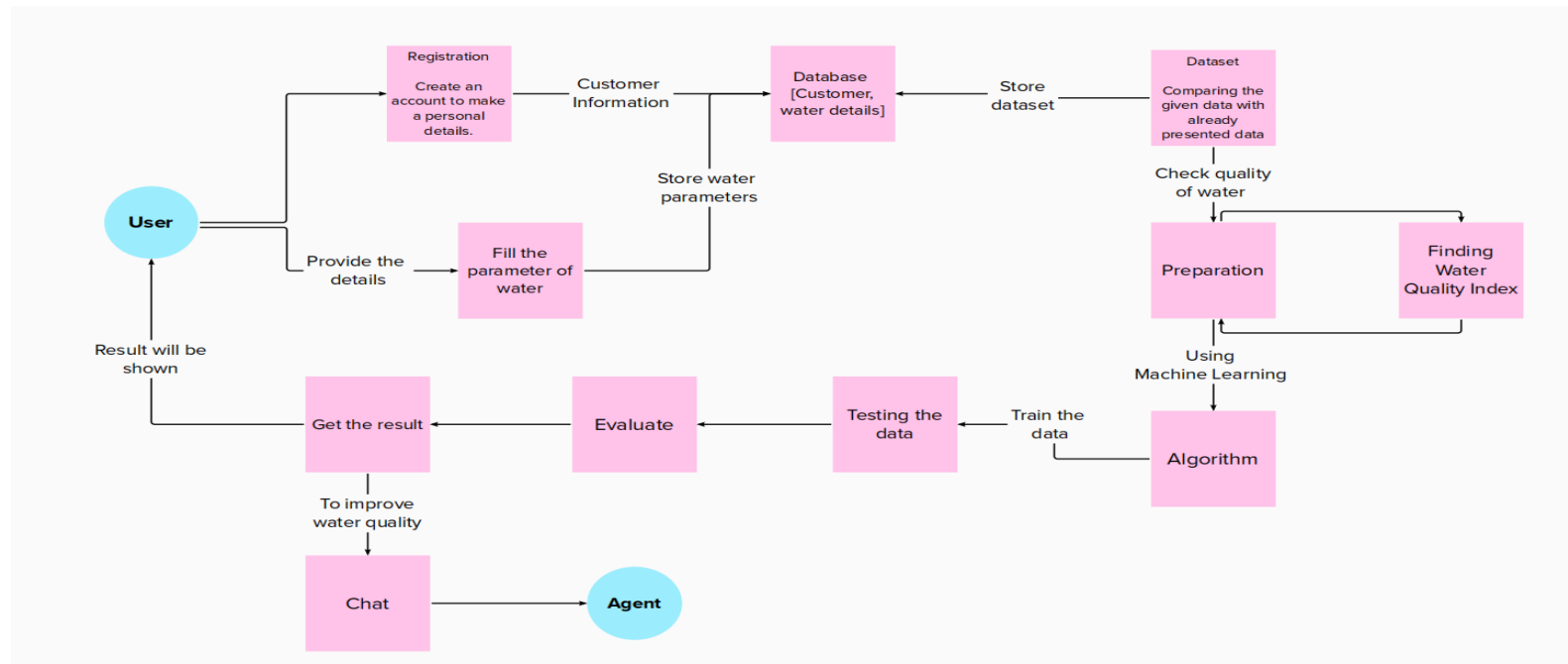


Project Design Phase-II Data Flow Diagram & User Stories

Date	15 October 2022
Team ID	PNT2022TMID10904
Project Name	Efficient 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.



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)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	
	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	
	Verification	USN-3	As a user, I can register for the application through OTP message or email	I can receive OTP and provide for verification	Low	
	Parameter Passing	USN-1	As a user, I can provide values for various parameters of water quality	I can choose the required parameter for input	High	
	Predicting	USN-2	Using ML algorithm, predictions are made using the parameter provided	Algorithm makes prediction using parameters	Medium	
	Result	USN-3	Quality of the water is determined.	Result will be displayed	High	
External Agent	Solution Providing	USN-1	Better water usage ideas are provided based on the quality of water	Based on the result, ideas are provided	Medium	