Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID23264
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.
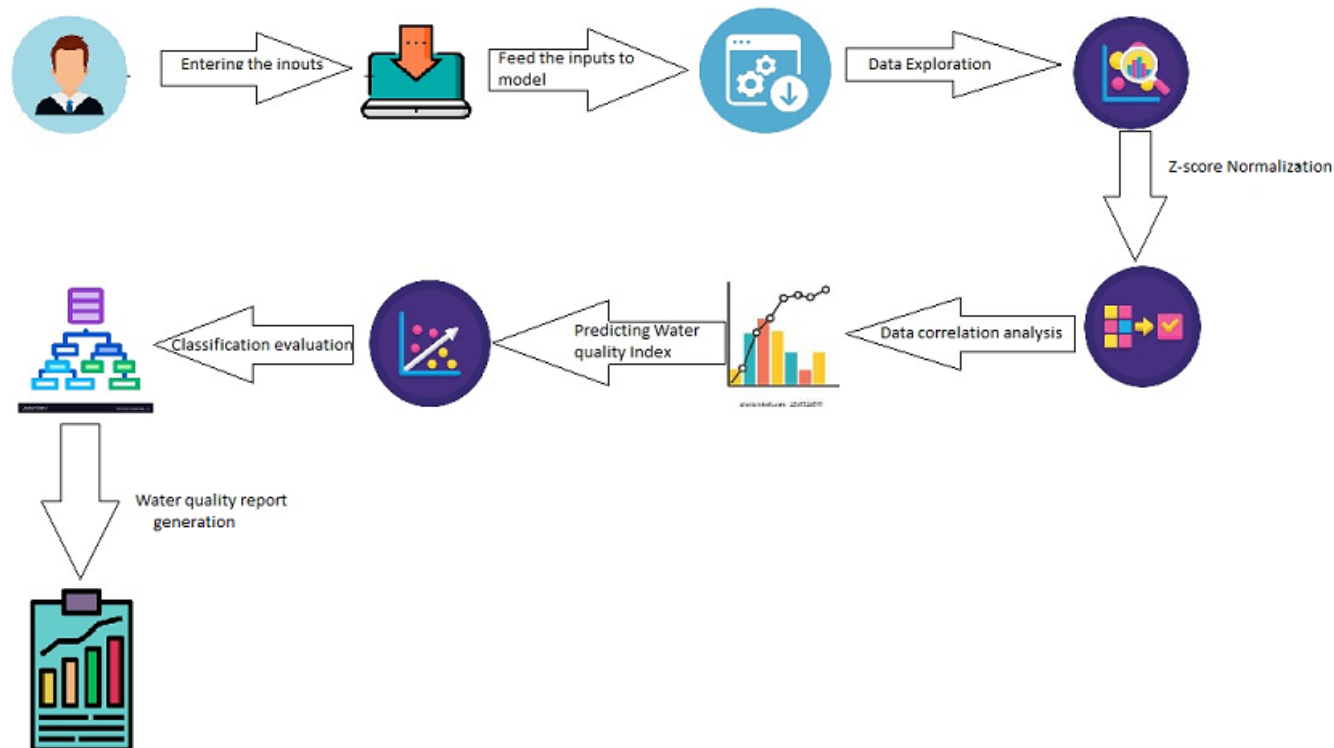
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile 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	Sprint-1
		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	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	I can register & access the dashboard with Gmail Login	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can successfully login using registered login credentials	High	Sprint-1
	Dashboard	USN-6	As a user. I can navigate and use various options available to upload inputs and download generated output.	I can navigate and access various options available to upload inputs and download generated output.	High	Sprint-1
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	Sprint-1
		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	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	I can register & access the dashboard with Gmail Login	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can successfully login using registered login credentials	High	Sprint-1
	Dashboard	USN-6	As a user. I can navigate and use various options available to upload inputs and download generated output.	I can navigate and access various options available to upload inputs and download generated output.	High	Sprint-1
Customer Care Executive	Support Helpline	USN-1	Customer support is provided to resolve issues within 48 hrs	As a customer care executive, I can provide efficient support to user complaints raised as soon as possible.	High	Sprint-1
Administrator	Management	USN-1	Management of web UI for smooth working on the user side.	As an administrator, I have control to organize and manage the working of Web UI.	High	Sprint-1
	Security	USN-2	As an administrator, security mechanisms such as SHA256 are implemented to secure the website.	I have enough control over the security system of Web UI	High	Sprint-1