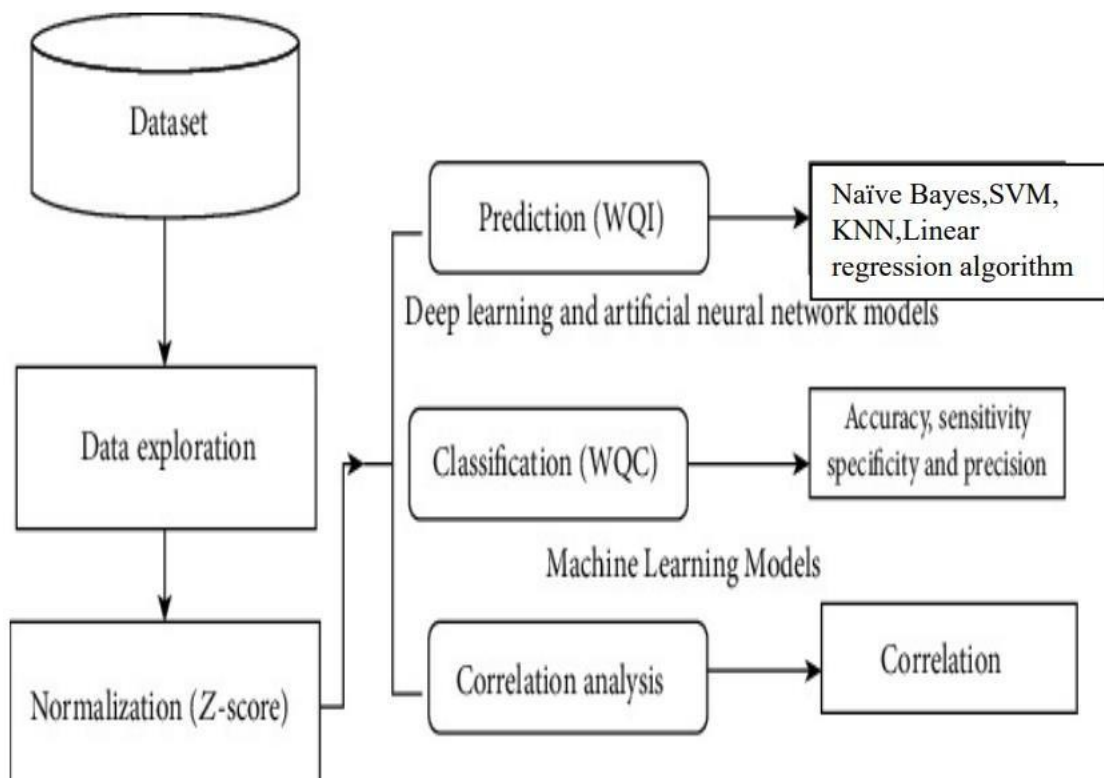


Project Design Phase-II

Data Flow Diagram

Date	15 November 2022
Team ID	PNT2022TMID45992
Project Name	Title: Water Quality Analysis and Prediction using Machine Learning
Team Leader	Santhosh A
Team Member	Srivikram S, Mohamed Arshad MM, Jonathan Paul E
Maximum Marks	2 Marks

DATAFLOW DIAGRAM:



Release	Functional Requirement (Epic)	User story number	User Story / Task	Acceptance criteria	Priority	User Type
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password and confirming my password.	I can Access the account	High	User
Sprint-1	User Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	I can access my account.	Medium	
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	I can access the dashboard.	High	
Sprint-2	Data Collection	USN-1	A Data Collection is a process of gathering and measuring information on variables to ensure accuracy and facilitate data analysis	I can analyse the dataset.	High	User
Sprint-2	Data pre-processing	USN-2	. Data pre processing is a process of clean the raw data.	I can receive information various parameters.	High	
Sprint-3	Train and develop the model	USN-1	We need to check and train our model is performing the test data.	I can execute the model using this test data which is collected.	High	User
Sprint-4	Web Application	USN-1	As as user, I will show the current Information of the water quality.	View the water quality by analysis of parameters in the dataset.	Medium	Web user