TEST CASES

TEST CASE ANALYSIS:

				Date	18-Nov-22								
				Team ID	PNT2022TMID39608								
				Project Name	Project -Efficient Water Quality Analysis and Prediction Using Machine Learning								
				Maximum Marks	4 marks								
Test case ID	Feature Type	Component	Test Scenario	Pre-Requisite	Steps To Execute	Test Data	Expected Result	Actual Result	Status	Commnets	TC for Automation(	BUG ID	Executed By
Webpage_TC_001	UI	Home Page	Verify the user is able to view the page.	1. Latest Web Browser 2.Proper Internet Connection.	1. Enter the url of the website and click go. 2.Verify that the page is loading or not.	No Test Data Required	The Webpage should be visible to the user.	The webpage is visible .	Pass	The test case passed without any issues.	Y	1	Sudharsan S
Webpage_TC_002	UI	Home Page	Verify the page is responsive for all devices.	1. Mobile Device 2.Desktop Device 3.Tablet Device 4.Web Browser and Internet Connection.	1. Enter the url of the website and click go. 2.Verify that the page is loading properly with proper alignments in all the devices.	No Test Data Required	The Webpage should be visible to the user.	The webpage is visible in all the devices.	Pass	The test case passed without any issues.	Y	2	Siddharth N
Webpage_TC_003	UI	Home Page	Verify whether the UI elements work properly.	1. Latest Web Browser 2.Proper Internet Connection.	1. Enter the url of the website and click go. 2.After the page is loaded succesfully click the predict button.	Sample Water Quality Parameters data for testing.	The Webpage should accept the Water Quality Data from the user.	The webpage accepts the user input.	Pass	The test case passed without any issues.	Y	3	Suhail F
Webpage_TC_004	UI	Home Page	Verify the page is responding for every user action.	1. Latest Web Browser 2.Proper Internet Connection.	1. Enter the url of the website and click go. 2.Verify that the page is loading and working properly during prediction and reset.	Sample Water Quality Parameters data for testing.	The Webpage should be stable during uploading and predicting process.	The webpage is responding stably.	Pass	The test case passed without any issues.	Y	4	Vignesh M
Webpage_TC_005	UI	Home Page	Verify that the page accepts only Numeric Data.	1. Latest Web Browser 2.Proper Internet Connection.	1. Enter the url of the website and click go. 2. After the page is loaded try to upload the non numeric formats like text, special characters,etc.	Non Numeric Data	The Webpage should reject the user and prompts the user to upload the proper	The webpage prompted with an error message when usage	Pass	The test case passed without any issues.	Y	5	Sudharsan S

Flask_TC_001	Functional	Flask App	Verify that the flask app uses the Saved Model.	1. Latest Web Browser 2.Proper Internet Connection.	1. Enter the url of the website and click go. 2. Verify the page is accepting inputs and predicting according to the regression model developed.	Sample Water Quality Parameters data for testing.	The Webpage should predict the Water Quality Index (WQI) value.	The webapp predicts the WQI value accurately.	Pass	The test case passed without any issues.	Y	6 Siddharth N
Flask_TC_002	Functional	Flask App	Verify that the Uploaded Data gets saved on the Server.	1. Latest Web Browser 2.Proper Internet Connection. 3. Storage in the server for storing the uploaded data.	1. Enter the url of the website and click go. 2. Verify that the page is loaded try to upload the water quality determining parameters values and wait for prediction.	Sample Water Quality Parameters data for testing.	The Webpage should accept the Data and save it locally on the server.	The app stored the Water Quality Data.	Pass	The test case passed without any issues.	Y	7 Suhail F
Flask_TC_003	Functional	Flask App	Verify that the Uploaded Data gets retrieved from the Storage.	1. Latest Web Browser 2.Proper Internet Connection. 3. Storage in the server for storing the uploaded data.	1. Enter the url of the website and click go. 2. Verify the page is accepting inputs and predicting according to the regression model developed.	Sample Water Quality Parameters data for testing.	The webpage should be able to store and retrieve the data that is uploaded by the user.	The app retrieved the Water Quality Parameter successfully.	Pass	The test case passed without any issues.	Y	8 Vignesh M
Flask_TC_004	Functional	Flask App	Verify that the app directs the user to appropriate parameter influencing Water Quality Description pages whenever the user requires.	1. Latest Web Browser 2.Proper Internet Connection. 3. Sample Hyperlinks text to be tested.	1. Enter the url of the website and click go. 2. Verify the page is redirecting to the appropriate Parameters page.	Sample Water Quality Parameters data for testing.	The webapp should redirect to the appropriate parameters page.	The app should redirected successfully.	Pass	The test case passed without any issues.	Y	9 Sudharsan S