TESTCASES REPORT

Date	18-November 2022
Team ID	PNT2022TMID28413
Project Name	Efficient Water Quality Analysis &Prediction using Machine Learning

Test case ID	Feature Type	Component	Test Scenario	Steps To Execute	Test Data	Expected Result	Actual Result	Status
Home Page_TC_OO1	Functional	Home Page	Verify user is able to see the dashboard of the webpage	1. to ensure that user can able to see information about water quality by clicking info 2. Verify the prediction button to analyse the quality a. Info button b. Predict button	_	Home and the buttons should be displayed	Working as expected	Pass
Prediction Page_TC_OO5	UI	prediction page	Verify user is able to see the description and predict button	1. Enter URL and click go 2. Click on predic button 3. Enter D.O,Ph,conductivity in the text box 4.Enter nitratenen and give the total coliform to predict the water level 5.Click on predict button	_	Application should show correct prediction level of the water and user should ensure the quality by referring the given parameter table.	Working as expected	Pass
Prediction Page_TC_OO5	Functional	prediction page	Verify user is able to predict by giving letters	1. Enter URL and click go 2. Click on predic button 3. Enter D.O,Ph,conductivity in the text box. 4. Enter nitratenen as a letter 5. Click on predict button	_	Application should not show any value because user	Working as expected	Pass

Prediction Page_TC_OO5	Functional	prediction page	Verify the parameter table is listed below	1. parameters should be displayed by the result of water quality 2. displayed range should be shown in table	_	Application should show range of the result predicted by the webpage	Working as expected	Pass
Prediction Page_TC_OO5	Functional	prediction page	Verify user can leave any field unfilled	1. Enter URL and click go 2. Click on predic button 3. Enter D.O,Ph,conductivity in the text box 4.Leave nitratenen field as empty 5.Click on predict button	_	Application should not show any value because user left a field as empty	Working as expected	Pass

Test Scenarios:

1   Verify user is able to see home page

2   Verify user is able to predict the WQI or not?

3   Verify user is able to navigate to information page?

4   Verify user is able to enter values to input field?

5   Verify Prediction page elements?

6   Verify user is able to enter any text in the input field?

7   Verify user is able to see the prediction value and the result?