

## Acceptance Testing

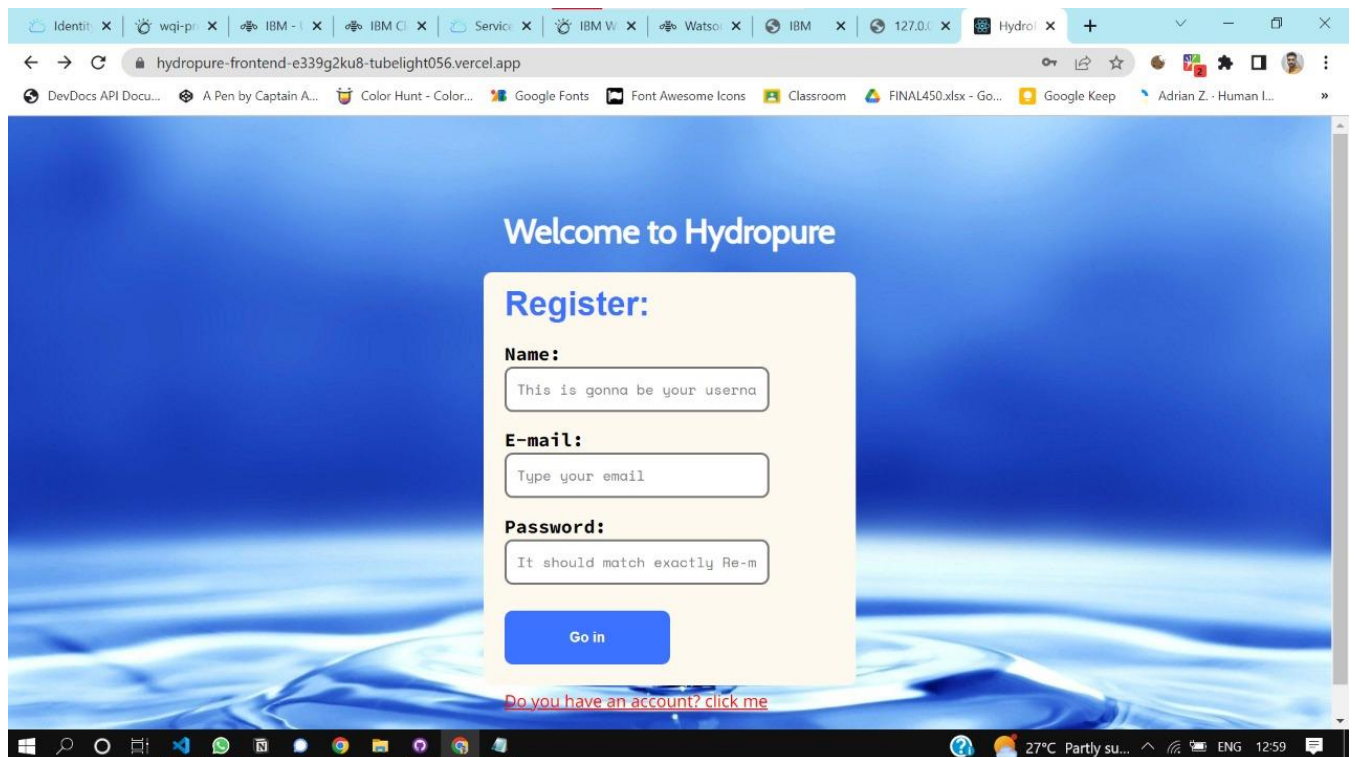
### Testcase Report

Date	18 November 2022
Team ID	PNT2022TMID52625
Project Name	Efficient Water Quality Analysis & Prediction using Machine Learning
Maximum Marks	4 Marks

## TESTCASES REPORT

### TESTCASE 1:

#### SIGNUP:



The screenshot shows a web browser window with multiple tabs. The active tab is 'hydropure-frontend-e339g2ku8-tubelight056.vercel.app'. The page has a blue background with a water ripple effect. A white box in the center contains the 'Register:' form. The form has three input fields: 'Name:' with placeholder text 'This is gonna be your userna', 'E-mail:' with placeholder text 'Type your email', and 'Password:' with placeholder text 'It should match exactly Re-m'. Below the fields is a blue 'Go in' button. At the bottom of the form box, there is a red link that says 'Do you have an account? click me'.

Welcome to Hydropure

**Register:**

**Name:**

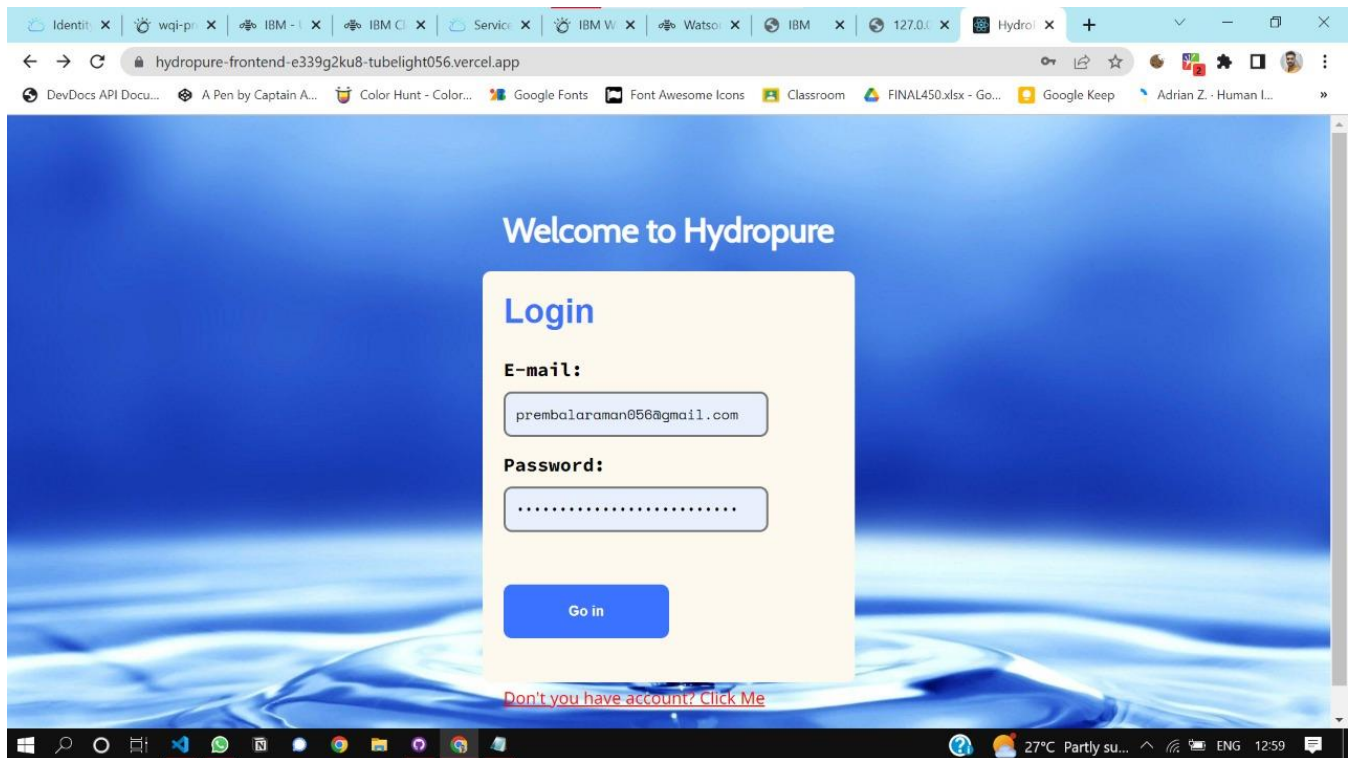
**E-mail:**

**Password:**

[Do you have an account? click me](#)

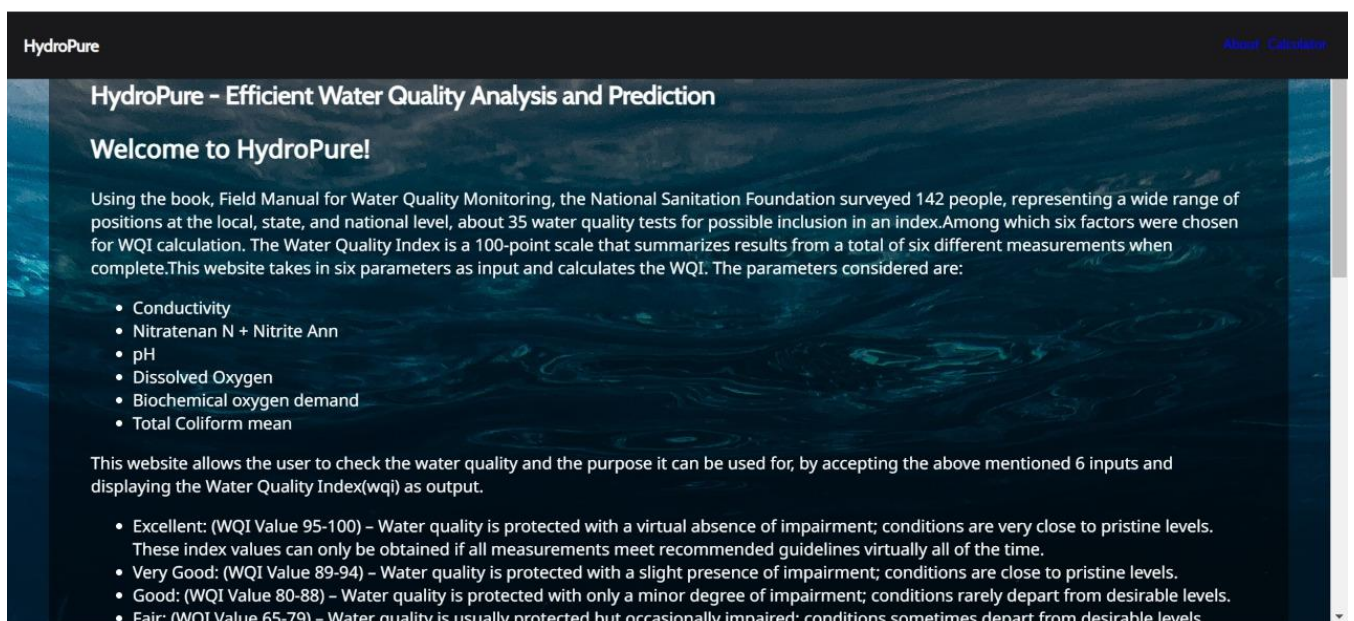
## TESTCASE 2:

### LOGIN:



## TESTCASE 3:

### HOME PAGE:



## TESTCASE 4:

### OUTPUT SCREENSHOTS OF WATER QUALITY INDEX:

HydroPure [About](#) [Calculator](#)

**WQI Calculator:**

CONDUCTIVITY ( $\mu\text{mhos/cm}$ ):	NITRATENAN N+ NITRITENANN (mg/l):
<input type="text" value="12"/>	<input type="text" value="11"/>
POTENTIAL OF HYDROGEN (pH):	DISSOLVED OXYGEN (mg/l):
<input type="text" value="12"/>	<input type="text" value="12"/>
BIOCHEMICAL OXYGEN DEMAND (mg/l):	TOTAL COLIFORM (MPN/100ml)Mean:
<input type="text" value="12"/>	<input type="text" value="123"/>

**Water Quality Index : 35.16**

**Quality : Poor**

Windows taskbar: 29°C Haze, ENG, 11:46

HydroPure [About](#) [Calculator](#)

**WQI Calculator:**

CONDUCTIVITY ( $\mu\text{mhos/cm}$ ):	NITRATENAN N+ NITRITENANN (mg/l):
<input type="text" value="200"/>	<input type="text" value="0.1"/>
POTENTIAL OF HYDROGEN (pH):	DISSOLVED OXYGEN (mg/l):
<input type="text" value="7"/>	<input type="text" value="5.7"/>
BIOCHEMICAL OXYGEN DEMAND (mg/l):	TOTAL COLIFORM (MPN/100ml)Mean:
<input type="text" value="1.7"/>	<input type="text" value="5330"/>

**Water Quality Index : 73.03**

**Quality : Fair**



## WQI Calculator:

CONDUCTIVITY ( $\mu\text{mhos/cm}$ ):

25

NITRATENAN N+ NITRITENANN (mg/l):

123

POTENTIAL OF HYDROGEN (pH):

7

DISSOLVED OXYGEN (mg/l):

5

BIOCHEMICAL OXYGEN DEMAND (mg/l):

123

TOTAL COLIFORM (MPN/100ml)Mean:

123

submit

Water Quality Index : 11.12

Quality : Poor

## WQI Calculator:

CONDUCTIVITY ( $\mu\text{mhos/cm}$ ):

39

NITRATENAN N+ NITRITENANN (mg/l):

12.3

POTENTIAL OF HYDROGEN (pH):

7

DISSOLVED OXYGEN (mg/l):

8

BIOCHEMICAL OXYGEN DEMAND (mg/l):

92.2

TOTAL COLIFORM (MPN/100ml)Mean:

196.3

submit

Water Quality Index : 76.90

Quality : Fair

## WQI Calculator:

CONDUCTIVITY ( $\mu\text{mhos/cm}$ ):

35.3

NITRATENAN N+ NITRITENANN (mg/l):

14.3

POTENTIAL OF HYDROGEN (pH):

7

DISSOLVED OXYGEN (mg/l):

5

BIOCHEMICAL OXYGEN DEMAND (mg/l):

120.23

TOTAL COLIFORM (MPN/100ml)Mean:

191.3

submit

Water Quality Index : 53.20

Quality : Marginal

## WQI Calculator:

CONDUCTIVITY ( $\mu\text{mhos/cm}$ ):

30.3

NITRATENAN N+ NITRITENANN (mg/l):

143.3

POTENTIAL OF HYDROGEN (pH):

8

DISSOLVED OXYGEN (mg/l):

18

BIOCHEMICAL OXYGEN DEMAND (mg/l):

144.23

TOTAL COLIFORM (MPN/100ml)Mean:

191.3

submit

Water Quality Index : 91.07

Quality : Very Good

## WQI Calculator:

CONDUCTIVITY ( $\mu\text{mhos/cm}$ ):

50.3

NITRATENAN N+ NITRITENANN (mg/l):

103.3

POTENTIAL OF HYDROGEN (pH):

10

DISSOLVED OXYGEN (mg/l):

14

BIOCHEMICAL OXYGEN DEMAND (mg/l):

14.23

TOTAL COLIFORM (MPN/100ml)Mean:

111.3

submit

Water Quality Index : 89.19

Quality : Very Good

## WQI Calculator:

CONDUCTIVITY ( $\mu\text{mhos/cm}$ ):

150.3

NITRATENAN N+ NITRITENANN (mg/l):

13.3

POTENTIAL OF HYDROGEN (pH):

7

DISSOLVED OXYGEN (mg/l):

9

BIOCHEMICAL OXYGEN DEMAND (mg/l):

14.23

TOTAL COLIFORM (MPN/100ml)Mean:

121.3

submit

Water Quality Index : 89.67

Quality : Very Good