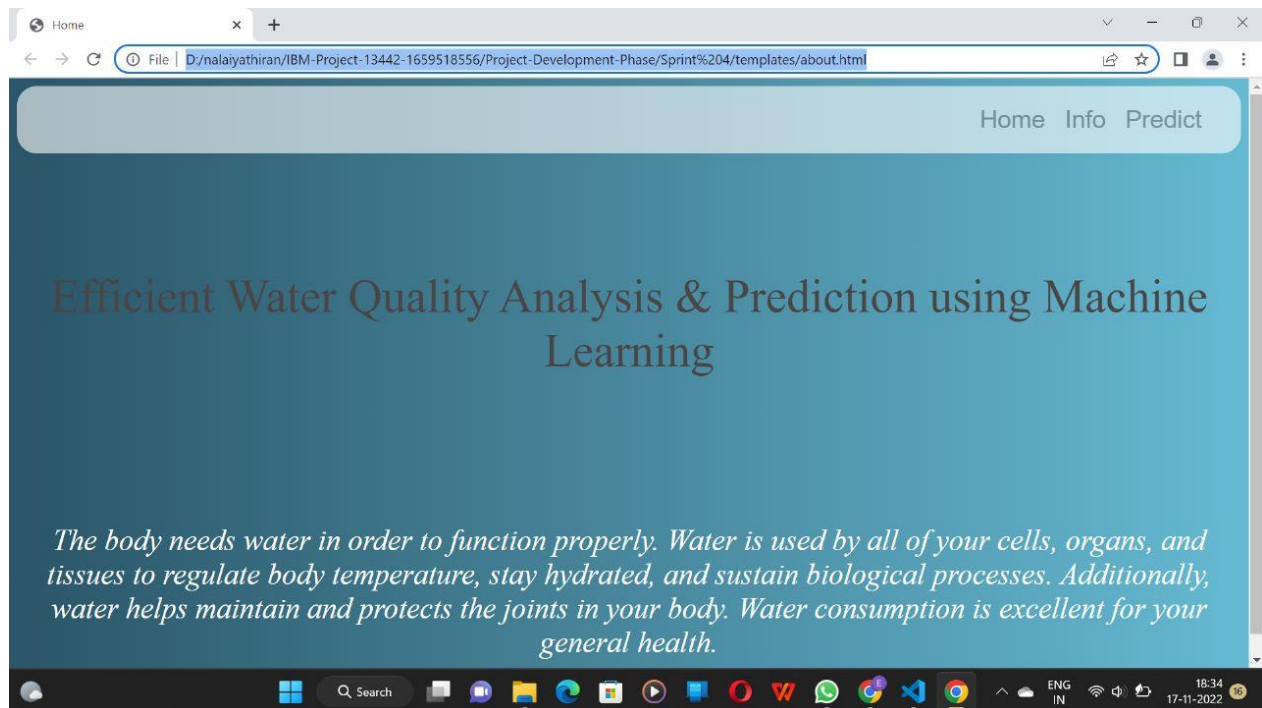


PROJECT DEVELOPMENT PHASE

SPRINT-4 TESTCASES

Date	18 November 2022
Team ID	PNT2022TMID15978
Project Name	Efficient Water Quality Analysis and Prediction Using Machine Learning
Maximum Marks	8 Marks

HOME PAGE:



INFO PAGE:



PREDICTOR PAGE:

The screenshot shows a web browser window with the address bar displaying the file path: `File | D:/nalaiyathiran/IBM-Project-13442-1659518556/Project-Development-Phase/Sprint%204/templates/predict.html`. The page title is "predict.html". The main heading is "Water Quality Predictor" in a large, bold, orange font. Below the heading, there are seven input fields stacked vertically, each with a label: "Enter D.O", "Enter PH", "Enter Conductivity", "Enter B.O.D", "Enter Nitratnen", and "Enter Total Coliform". Below these fields is a "Submit" button. The Windows taskbar at the bottom shows the time as 18:44 on 17-11-2022.

Water Quality Predictor

Enter D.O

Enter PH

Enter Conductivity

Enter B.O.D

Enter Nitratnen

Enter Total Coliform

Submit

This screenshot shows the same "Water Quality Predictor" form, but now with numerical values entered into the input fields: 2014, 6.7, 7.5, 203, 0, 0.1, and 27. The "Submit" button is still present. Below the input fields, a yellow-bordered box contains the text: "Prediction is Good, the prediction value is 80.308". The browser's address bar now shows the local host address: `localhost:8888/view/Downloads/nalaiyathiran/nalaiyathiran/predict.html`. The Windows taskbar at the bottom shows the time as 18:44 on 17-11-2022.

Water Quality Predictor

2014

6.7

7.5

203

0

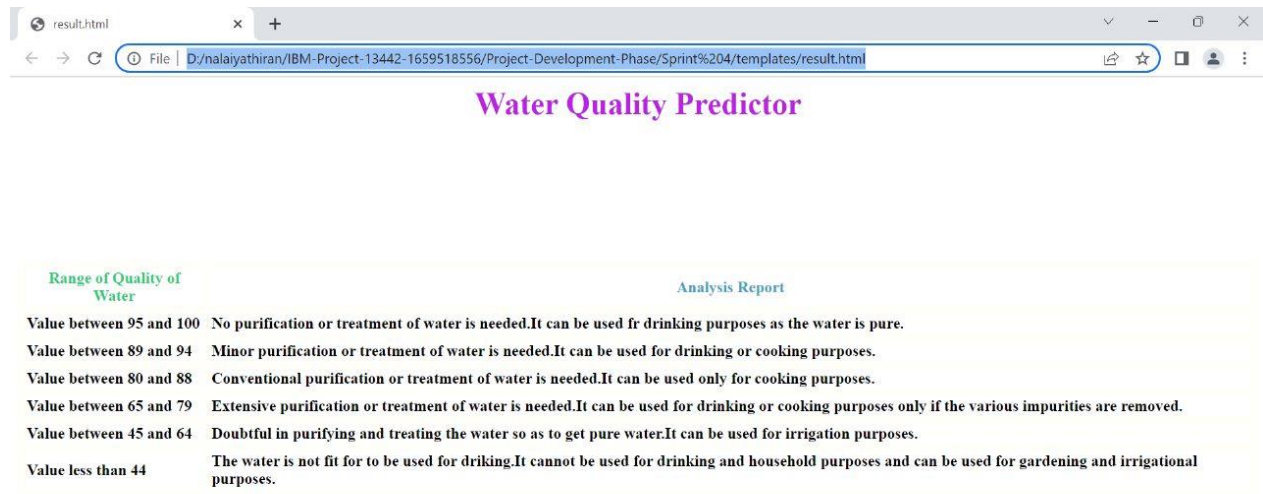
0.1

27

Submit

Prediction is Good, the prediction value is 80.308

RESULT AND ANALYSIS PAGE:



Range of Quality of Water	Analysis Report
Value between 95 and 100	No purification or treatment of water is needed.It can be used fr drinking purposes as the water is pure.
Value between 89 and 94	Minor purification or treatment of water is needed.It can be used for drinking or cooking purposes.
Value between 80 and 88	Conventional purification or treatment of water is needed.It can be used only for cooking purposes.
Value between 65 and 79	Extensive purification or treatment of water is needed.It can be used for drinking or cooking purposes only if the various impurities are removed.
Value between 45 and 64	Doubtful in purifying and treating the water so as to get pure water.It can be used for irrigation purposes.
Value less than 44	The water is not fit for to be used for driking.It cannot be used for drinking and household purposes and can be used for gardening and irrigational purposes.

Your sample is in the range of 45 and 64 and it is in marginal range.

