

## PROJECT FLOW

Team ID	PNT2022TMID17852
Project Name	Efficient Water Quality Detection and Prediction using Machine Learning

- User interacts with the UI (User Interface) to enter Data
- The entered data is analyzed by the model which is integrated
- Once model analyses the input the prediction is showcased on the UI

To accomplish this, we must complete all the activities and tasks listed below

- Data Collection. o Collect the dataset or Create the dataset

- Data Preprocessing.

- o Import the Libraries.

- o Importing the dataset.

- o Checking for Null Values.

- o Data Visualization.

- o Taking care of Missing Data.

- o Label encoding.

- o One Hot Encoding

- . o Feature Scaling.

- o Splitting Data into Train and Test.

- Model Building

- o Training and testing the mode

- l o Evaluation of Model

- Application Building

- o Create an HTML file

- o Build a Python Cod