

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID08775
Project Name	Project- EFFICIENT WATER QUALITY ANALYSIS & PREDICTION USING MACHINE LEARNING
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization :

AMSU PRIYA

Analyse advanced AI algorithms which are developed	Building regression model	Temperature alkalinity, and pH to ensure the general quality
Different dataset analysis	solve problems in various aspects of water treatment and management systems	Using other water resources assisted with problems.
Study about KNN model	Survey on water resources	learning about algorithms

SREEMATHI

Evaluate and compare	Train ML model	Handling missing values
Training the required dataset	Studying K-means clustering	Checking pH level of water
Analyzing the efficiency of the water	Learning Random forest regression algorithm	Water quality index calculation

AJAY DEEPAK

Searching accurate dataset	Python and flask interfaces	Integrate flask and UI
Collecting customer requirements	Analysing model	Separation of pure and impure water
Testing the water	Enter values in saved model	Prediction of values

SURIYA

Understand data visualization	HTML code for web development	Ensuring life time of the model
Reinforcement learning	Learning about web deployment	Ease of usage in user interface
Survey on water quality	Learning support vector algorithm	Study about backend to store data of users