

PROJECT PLANNING PHASE
MILESTONES AND ACTIVITY LIST

DATE	22 OCTOBER 2022
TEAM ID	PNT2022TMID06661
PROJECT TITLE	EFFICIENT WATER QUALITY ANALYSIS AND PREDICTION USING MACHINE LEARNING

Milestones and Activity List:

S.NO	MILESTONES	ACTIVITIES	TEAM
1.	DATA COLLECTION	Download the Dataset	A.tamilnangai U.Hema .
2.	DATA PREPROCESSING	Importing the Libraries	B.Shalini S.vidhya
3.	DATA PREPROCESSING	Reading the Dataset	B.Shalini S.vidhya
4.	DATA PREPROCESSING	Analyse the Data	A.tamilnangai S.vidhya
5.	DATA PREPROCESSING	Handling the Missing Values	A.tamilnangai U.Hema .
6.	DATA PREPROCESSING	Water Quality Index (WQI) Calculation	B.Shalini U.Hema .
7.	DATA PREPROCESSING	Data Visualisation	B.Shalini A.Tamilnangai
8.	DATA PREPROCESSING	Splitting Dependent and Independent Columns.	S.Vidhya U.Hema
9.	DATA PREPROCESSING	Splitting the Data into Training and Testing	A.tamilnangai S.vidhya
10.	MODEL EVALUATION	Model Evaluation	S.Vidhya U.Hema
11.	MODEL EVALUATION	Save the Model	B.Shalini A.Tamilnangai
12.	APPLICATION BUILDING	Build the HTML code.	A.tamilnangai U.Hema B.Shalini S.vidhya

13.	APPLICATION BUILDING	Build the Python code	A.tamilnangai U.Hema B.Shalini S.vidhya
14.	APPLICATION BUILDING	Run Flask App	A.tamilnangai U.Hema B.Shalini S.vidhya
15.	TRAIN THE MODEL ON IBM	Register For IBM Cloud	A.tamilnangai U.Hema B.Shalini S.vidhya
16.	TRAIN THE MODEL ON IBM	Train the ML Model on IBM	A.tamilnangai U.Hema B.Shalini S.vidhya
17.	TRAIN THE MODEL ON IBM	Integrate Flask with Scoring Endpoint.	A.tamilnangai U.Hema B.Shalini S.vidhya