

## PROJECT PLANNING PHASE

### MILESTONES AND ACTIVITY LIST

DATE	22 OCTOBER 2022
TEAM ID	PNT2022TMID45606
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	Mohamedfaisal.AS
2.	DATA PREPROCESSING	Importing the Libraries	Chinnayabharathi.CK
3.	DATA PREPROCESSING	Reading the Dataset	Roshan.J
4.	DATA PREPROCESSING	Analyse the Data	Mohamedfaisal.AS
5.	DATA PREPROCESSING	Handling the Missing Values	Sabarivasan.VP Roshan.J Chinnayabharathi.CK
6.	DATA PREPROCESSING	Water Quality Index (WQI) Calculation	Chinnayabharathi.CK Mohamedfaisal.AS Sabarivasan.VP
7.	DATA PREPROCESSING	Data Visualisation	Roshan.J
8.	DATA PREPROCESSING	Splitting Dependent and Independent Columns.	Chinnayabharathi.CK Sabarivasan.VP
9.	DATA PREPROCESSING	Splitting the Data into Training and Testing	Roshan.J Mohamedfaisal.AS
10.	MODEL EVALUATION	Model Evaluation	Sabarivasan.VP Mohamedfaisal.AS

11.	MODEL EVALUATION	Save the Model	Roshan.J Chinnayabharathi.CK
12.	APPLICATION BUILDING	Build the HTML code.	Sabarivasan.VP Mohamedfaisal.AS Roshan.J Chinnayabharathi.CK

13.	APPLICATION BUILDING	Build the Python code	Sabarivasan.VP Mohamedfaisal.AS Roshan.J Chinnayabharathi.CK
14.	APPLICATION BUILDING	Run Flask App	Sabarivasan.VP Mohamedfaisal.AS Roshan.J Chinnayabharathi.CK
15.	TRAIN THE MODEL ON IBM	Register For IBM Cloud	Sabarivasan.VP Mohamedfaisal.AS Roshan.J Chinnayabharathi.CK
16.	TRAIN THE MODEL ON IBM	Train the ML Model on IBM	Mohamedfaisal.AS
17.	TRAIN THE MODEL ON IBM	Integrate Flask with Scoring Endpoint.	Roshan.J