

**PROJECT PLANNING PHASE**  
**MILESTONES AND ACTIVITY LIST**

DATE	22 OCTOBER 2022
TEAM ID	PNT2022TMID45622
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	Mangaiyarkarasi.S Yoosika.S
2.	DATA PREPROCESSING	Importing the Libraries	Mangaiyarkarasi.S
3.	DATA PREPROCESSING	Reading the Dataset	Yoosika.S
4.	DATA PREPROCESSING	Analyse the Data	Kanimozhi.S
5.	DATA PREPROCESSING	Handling the Missing Values	Ajitha.S Mangaiyarkarasi.S Cellcia.F
6.	DATA PREPROCESSING	Water Quality Index (WQI) Calculation	Ajitha.S Kanimozhi.S Mangaiyarkarasi.S
7.	DATA PREPROCESSING	Data Visualisation	Yoosika.S
8.	DATA PREPROCESSING	Splitting Dependent and Independent Columns.	Ajitha.S Kanimozhi.S
9.	DATA PREPROCESSING	Splitting the Data into Training and Testing	Mangaiyarkarasi.S Yoosika.S
10.	MODEL EVALUATION	Model Evaluation	Ajitha.S Mangaiyarkarasi.S
11.	MODEL EVALUATION	Save the Model	Yoosika.S Cellcia.F

12.	APPLICATION BUILDING	Build the HTML code.	Ajitha.S Cellcia.F Kanimozhi.S Yoosika.S Mangaiyarkarasi.S
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13.	APPLICATION BUILDING	Build the Python code	Ajitha.S Cellcia.F Kanimozhi.S Yoosika.S Mangaiyarkarasi.S
14.	APPLICATION BUILDING	Run Flask App	Ajitha.S Cellcia.F Kanimozhi.S Yoosika.S Mangaiyarkarasi.S
15.	TRAIN THE MODEL ON IBM	Register For IBM Cloud	Ajitha.S Cellcia.F Kanimozhi.S Yoosika.S Mangaiyarkarasi.S
16.	TRAIN THE MODEL ON IBM	Train the ML Model on IBM	Kanimozhi.S Yoosika.S Mangaiyarkarasi.S
17.	TRAIN THE MODEL ON IBM	Integrate Flask with Scoring Endpoint.	Cellcia.F Mangaiyarkarasi.S