

# PROJECT PLANNING PHASE

## MILESTONES AND ACTIVITY LIST

DATE	20 OCTOBER 2022
TEAM ID	PNT2022TMID17852
PROJECT TITLE	EFFICIENT WATER QUALITY ANALYSIS AND PREDICTION USING MACHINE LEARNING

### Milestones and Activity List:

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S.NO	MILESTONES	ACTIVITIES	TEAM
1.	DATA COLLECTION	Download the Dataset	Dinesh T Harikrishnan M
2.	DATA PREPROCESSING	Importing the Libraries	Dinesh T
3.	DATA PREPROCESSING	Reading the Dataset	Harikrishnan M
4.	DATA PREPROCESSING	Analyse the Data	Ashok N
5.	DATA PREPROCESSING	Handling the Missing Values	Harikrishnan M Ashok N Arvind J
6.	DATA PREPROCESSING	Water Quality Index (WQI) Calculation	Dinesh T Harikrishnan M Ashok N
7.	DATA PREPROCESSING	Data Visualisation	Arvind J
8.	DATA PREPROCESSING	Splitting Dependent and Independent Columns.	Harikrishnan M Dinesh T
9.	DATA PREPROCESSING	Splitting the Data into Training and Testing	Arvind J Dinesh T
10.	MODEL EVALUATION	Model Evaluation	Arvind J Ashok N

11.	MODEL EVALUATION	Save the Model	Arvind J
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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