

## Project Planning Phase Milestones and Activity List

<b>Date</b>	<b>20 October 2022</b>
<b>Team ID</b>	<b>PNT2022TMID52665</b>
<b>Project Name</b>	<b>Project – Efficient Water Quality Analysis and Prediction using Machine Learning</b>

### Milestones and Activity List:

<b>S.NO</b>	<b>MILESTONES</b>	<b>ACTIVITIES</b>	<b>TEAM</b>
1.	Data Collection	Downloading the dataset	Deepthy Shivani A Divya K
2.	Data Pre-processing	Importing the Libraries	Subiksha Devi MS Soundarya M
3.	Data Pre-processing	Reading the dataset	Deepthy Shivani A Divya K
4.	Data Pre-processing	Analyse the data	Subiksha Devi MS Soundarya M
5.	Data Pre-processing	Handling the missing values	Deepthy Shivani A Divya K Soundarya M
6.	Data Pre-processing	Water Quality Index (WQI) calculation	Deepthy Shivani A Divya K Subiksha Devi MS
7.	Data Pre-processing	Data Visualisation	Soundarya M
8.	Data Pre-processing	Splitting the data into dependent and independent columns.	Subiksha Devi MS
9.	Data Pre-processing	Splitting the data into training and testing	Deepthy Shivani A
10.	Model Evaluation	Model Evaluation	Deepthy Shivani A Divya K Soundarya M

			Subiksha Devi MS
11.	Model Evaluation	Save the model	Soundarya M

12.	Application Building	Build the HTML code	Subiksha Devi MS
13.	Application Building	Build the Python code	Deepthy Shivani A
14.	Train the model on IBM	Run Flask App	Deepthy Shivani A
15.	Train the model on IBM	Register for IBM cloud	Deepthy Shivani A Divya K Subiksha Devi MS Soundarya M
16.	Train the model on IBM	Train the model on IBM	Divya K
17.	Train the model on IBM	Integrate flask	Soundarya M