Project Design Phase-I
Solution Architecture

Date	17 October 2022
Team ID	PNT2022TMID32824
Project Name	Efficient Water Quality Analysis & Prediction Using Machine Learning
Maximum Marks	4 Marks

Solution Architecture:

- Create and log in to the IBM Watson Studio.
- Upload the Jupiter notebook and start running it.
- Download the dataset.
- Pandas is used for reading the data and performing initial data exploration.
- Matplotlib and Seaborn are used for visualizing the data.
- Scikit-Learn is used for model development.
- Use the IBM Watson Machine Learning feature to deploy and access the model to generate employee attrition classification.

Solution Architecture Diagram:

Architecture and data flow of Efficient Water Quality Analysis & Prediction