PROJECT DESIGN PHASE - 1

SOLUTION ARCHITECTURE

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| Date | 9 october 2022 |
| Team ID | PNT2022TMID25978 |
| Project Name | Efficient Water Quality Analysis & Prediction  Using Machine Learning |
| Maximum Marks | 4 Marks |

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

● Create and log in to the IBM Smartinternz Studio.

● Download the Jupyter 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 visualising the data

● Scikit-Learn is used for model development.

● Use the IBM Smartinternz Machine Learning feature to deploy and access

the model to generate employee attrition classification.