**Project Design Phase-I**

**Solution Architecture**

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| Date | 19 October 2022 |
| Team ID |  |
| Project Name | Sugarcane production Analysis |
| Maximum Marks | 4 Marks |

**Solution Architecture:**

In India sugarcane is one of the most important commercial crop which is grown over 2.57% of its grossed crop year. It is used as a raw material in the food industry. In this project we are trying to Extract the Insights from the data and put the data in the form of visualizations .By conducting a comprehensive analysis t=of these factors , stakeholders can make informed decisions to optimize sugarcane productions such that it results in optimizing sugarcane production , increase profitability and contribute to sustainable agricultural practices.

**Example - Solution Architecture Diagram:**

**1.**  **Data Collection:**

Collect data from various sources.

2.Connect dataset with the MySql and tableau.

**3. Data Processing:**

Process data using tableau and techniques to

1.clean the data(reduction data which has redundant columns)

2.Transform the data and,

3.Prepare it for analysis.

**4.Business Intelligence (BI) Tools:**

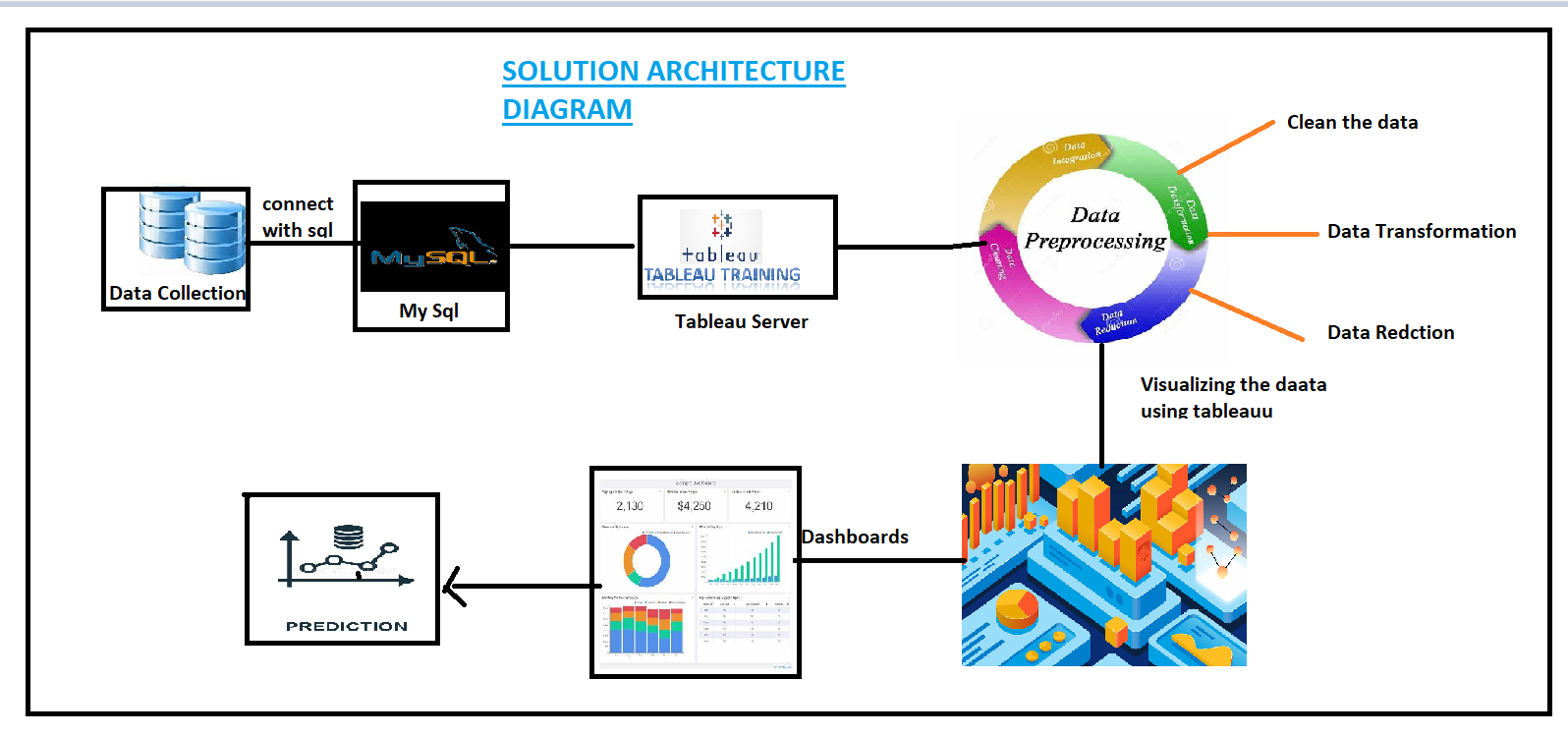
Integrate BI tools like Tableau to create interactive dashboards and visualizations.

**5. Dashboard Development:**

Design and develop dashboards that display key sugarcane production metrics and insights.

After creating visualizations and interactive dashboards we can create some report on the insights that we get from the dashboard .

Flowchart:

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