**Project Design Phase-I**

**Solution Architecture**

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| Date | 20 October 2022 |
| Team ID | PNT2022TMID38310 |
| Project Name | Estimate the Crop Yield using Data Analytics |
| Maximum Marks | 4 Marks |

**Solution Architecture:**

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

* Find the best tech solution to solve existing business problems.
* Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
* Define features, development phases, and solution requirements.
* Provide specifications according to which the solution is defined, managed, and delivered.

**Solution Architecture:**

Upload the data into Cognos Analytics

Crop Production Data

View by Customers (Eg. Farmers)

Results in user understandable manner

Getting insights (trends and patterns) through dashboards, reports and stories (Data presentation)

Explore the data by creating charts

Prepare the data (Data cleaning, Transformation, Handling missing values)