

**Project Design Phase-I**  
**Solution Architecture**

Date	16 October 2022
Team ID	PNT2022TMID13175
Project Name	Estimate the crop yield using Data Analysis
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.

Download the dataset



Upload the dataset to  
cognos



Data cleaning



Data preprocessing



Use cognos to study the  
dataset and analyse  
patterns and trends



Estimate the crop yield  
using the trends  
analyzed