

**Project Design Phase-I**  
**Proposed Solution Template**

Team ID	PNT2022TMID32817
Project Name	Estimate The Crop Yield Using Data Analytics

**Proposed Solution Template:**

S. No	Parameter	Description
1.	Problem Statement (Problem to be solved)	Crop production in India is one of the most important sources of income and India is one of the top countries to produce crops. As per this project we will be analysing some important visualization, creating a dashboard and by going through these we will get most of the insights of Crop production in India.
2.	Idea / Solution description	With the help of dataset that was given to us, we are planning to create multiple analysis graphs/charts in IBM Cognos Analytics, which will help us to get a better understanding of crop yield in India.
3.	Novelty / Uniqueness	1.Attractive Dashboard with aesthetic visualisation. 2.Creating unique search engine in Dashboard. 3.Providing expert suggestions to farmers.
4.	Social Impact / Customer Satisfaction	1.Help farmers and growers to make better managerial and financial decisions. 2.This helps farmers to choose an accurate crop for a specific season and region.
5.	Business Model (Revenue Model)	Helps in making the policy based, research oriented, development and investment related decisions that aim to influence future crop yield.
6.	Scalability of the Solution	This method has been implemented in various parts of the world in which the studies report that it was found to be progressive in reporting prediction accuracy percentage of the compared methodologies with conventional designs and an improved performance.