Project Design Phase-I
Proposed Solution

Date	13 October 2022
Team ID	PNT2022TMID15473
Project Name	Project – Estimate the crop yield using data analytics.
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	In this project using visualization technique we create a dashboard which provides insights of Crop production using the statistical report by data analysis.
2.	Idea / Solution description	Crop production in India is one of the most important sources of income and India is one of the top countries to produce crops. In this project we will be analysing important visualization by creating a dashboard and by going through these we will get most of the insights of Crop production in India. Providing proper knowledge to farmers about the crops to be sown in its respective season.
3.	Novelty / Uniqueness	It can be a unique and one-stop solution for a better understanding and to get a clear insight about the previous year's data on crop yield.
4.	Social Impact / Customer Satisfaction	Farmers can easily understand about the crop yields in India. Customer can easily understand crop production in graphical view. It is available to everyone who needs help and assistance. This is a simple approach and easy to understand.

5.	Business Model (Revenue Model)	Production resources, agricultural commodities and facilitative services can be improved. We can calculate short term and long term economic potential, viability and future opportunities of chosen commodities
6.	Scalability of the Solution	We can increase by including we can include crop insurances, delivery estimates, planning harvest, storage requirements and cash flow budgeting. Dataset can be updated according to future needs.