

Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID48705
Project Name	Estimate the crop yield using Data Analytics
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	In this project using visualization techniques we create a dashboard which provides insights of Crop production using the statistical report by data analysis.
2.	Idea / Solution description	Before the farmer sow the seeds he must have complete information above the soil, climate, water supply, variety of seeds, fertilizers used and various external factors. And we use big data in agriculture to improve data analytics effectively.
3.	Novelty / Uniqueness	Farmer must estimate the crop yield at early stages of the work with greater accuracy. We can also improve chain productivity, transparency and efficiency for key commodities.
4.	Social Impact / Customer Satisfaction	Farmers can easily understand about the crop yields in India. Customer can easily understand crop production in graphical view. The farmers will be able to yield the specific crop for the specific season.

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