Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID48523
Project Name	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)	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	We can make a website that should cover all information about the crop from the soil quality to end day of harvesting all over the India.
3.	Novelty / Uniqueness	Analytics is the interpretation of data pattern that assist decision- making and performance improvement. Agriculture Data analytics in crop yield helps in analysing some important visualization, creating a dashboard and by going through these we will get most of the insights of Crop production in India.
4.	Social Impact / Customer Satisfaction	The analysis of data related to agriculture helps in crop yield prediction, crop health monitoring and other such related activities.
5.	Business Model (Revenue Model)	With data analytics, farmers are now empowered with insights that can help them predict the market conditions, consumer behaviour towards the finished goods, factor-in inflation, and other variables that will help them plan the entire process even before sowing the seeds.
6.	Scalability of the Solution	Data mining techniques are being widely used as a part of solution for crop yield prediction. Various data mining techniques are under evaluation for estimation of crop production of the future years.