Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMIB03372
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)	The main problem to be solved is predicting the crop yield using Data Analytics which helps farmers to analyse the Crop Production. To assist him in planning and harvesting.
2.	Idea / Solution description	This tool predicts the crop yield based on the parameters like Rainfall, temperature, pesticides, etc. This helps in predicting the yield and increasing production.
3.	Novelty / Uniqueness	We are planning of integrating a Chatbot with our Dashboard so as to make it Interactive. Also, additional forecasting is planned to be done.
4.	Social Impact / Customer Satisfaction	Crop production in India is one of the most important sources of income. So, this tool helps farmers for predicting crop yield which in turn benefits the Indian economy and social beings.
5.	Business Model (Revenue Model)	This model helps farmer to monitor the crop yield and make decisions based on the output. This will help them to increase their productivity.
6.	Scalability of the Solution	This model performs well with large datasets and gives accurate predictions.