Project Design Phase-I
Proposed Solution Template

Date	08-11-2022
Team ID	PNT2022TMID03196
Project Name	Estimate the Crop Yield using Data Analysis
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Utilizing data analysis, estimate agricultural yields in order to help farmers make better choices for a robust crop production.
2.	Idea / Solution description	Providing farmers with a thoroughly analysed Dashboard of historical agricultural output data from many Indian states and regions their crop production is expected.
3.	Novelty / Uniqueness	The dataset includes details on the crops grown in different Districts, States, Seasons, and Areas. A well-researched report will therefore help farmers choose the ideal crop for their region during a particular growing season in order to boost output using all these details.
4.	Social Impact / Customer Satisfaction	This report will address every difficulty farmers have with yield potential. Farmers will therefore be significantly impacted by this Dashboard, and by using the suggested crops, they can significantly increase their earnings.
5.	Business Model (Revenue Model)	Profits can be made by positioning the solution as a universally usable mobile application. Venture alliances with the government could result in financial gains.
6.	Scalability of the Solution	There are no issues with data collection or dataset storage. The system can therefore easily scaled to handle increasing user numbers, traffic, and requirements.