Project Design Phase-I
Proposed Solution

Date	12 October 2022
Team ID	PNT2022TMID37430
Project Name	Estimate the Crop Yield using Data Analysis
Maximum Marks	2 Marks

S. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To aid farmers in making better decisions in order to have healthy crop production using data analytics.
2.	Idea / Solution description	To deliver a perfectly analysed Dashboard of historical agricultural production data from several Indian states so that farmers may forecast their crop yield.
3.	Novelty / Uniqueness	The dataset contains information about the crops in various Districts, States, Seasons, and Areas. Therefore, using all these facts, a thoroughly researched report will assist farmers in making the best crop choice for their region during a specific growing season to increase output
4.	Social Impact / Customer Satisfaction	The issues that farmers have with yield potential will all be resolved by this report. Therefore, this Dashboard will have a significant impact on farmers, and by adopting the advised crops, they can achieve enormous earnings.
5.	Business Model (Revenue Model)	Profit can be generated by marketing the solution as a freely accessible mobile application that anyone can use. Venture partnerships with the government may yield financial rewards.
6.	Scalability of the Solution	Regarding dataset storage and data gathering, there are no problems. As a result, the system may be readily scaled to manage rising user numbers, traffic, and requirements that must be met.