Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID20275
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)	The farmers to know about which crop should be suited for this soil and climate conditions and also know about which gives more profit.
2.	Idea / Solution description	The Soil is analysed and give the data which crop is good for this soil and more profitable. Climatic analysis is taken to save the crop from any disaster or cause by any environmental change. Also analyse the more profitable crop in less time.
3.	Novelty / Uniqueness	New features will be extracted from given data by analysing. With these new features, more information can be gained and better decision will be taken to increase profit for farmers.
4.	Social Impact / Customer Satisfaction	- Perception of profit about particular crop - Perception of Climatic changes to save from losses - Perception of Fast-growing crops - Perception of Crop production in particular location
5.	Business Model (Revenue Model)	- Dashboard will be created to view Crop production in required location. - Better decision will be made by farmers.
6.	Scalability of the Solution	This solution can be used by every farmer. This solution can be processed with less memory and quickly. The solution can be used as open source so everyone can use it.