PROJECT DESIGN PHASE-1
PROPOSED SOLUTION TEMPLATE

DATE	19 September 2022
TEAM ID	PNT2022TMID40341
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.	PARAETER	DESCRIPTION
1.	problem statement (problem to be solved)	⁎Farmers affected by flood and drought ⁎Poisoning due to pesticides ⁎Not many platform to sell directly to consumers
2.	Idea / Solution description	⁎PREVENT FROM DROUGHT Farmers can improve their drought resilience by making different crop choices, enrolling in crop insurance. ⁎PREVENT FROM FLOOD 1. Water distribution 2. Field water management 3. Ground water use 4. Agronomic practice 5. Multi-functional use 6. Internal governance ⁎PREVENT FROM PESTICIDES 1.Crop rotation 2.Intercropping 3.Maintaining crop diversity 4.Using pests to fight pests 5.Organic Pesticides ⁎DIRECT TO CONSUMER SALES

		STRATEGIES Now a days,India is to allow farmers to sell produce directly to bulk buyers such as trading companies, food processors and large retailers Person.
3.	Novelty / uniqueness	With data analytics, farmers are now empowered with insights that can help them predict the market conditions, consumer behavior towards the finished goods, factor-in inflation, and other variables that will help them plan the entire process even before sowing the seeds.
4.	Social impact / customer satisfaction	Farm direct marketing involves **selling a product from the farm directly to customers**. Often, the farmer receives a price similar to what the grocery store charges. This method of marketing is more entrepreneurial or business-like than wholesale marketing.
5.	Business Model(revenue model)	Crop yield prediction is **an essential task for the decision-makers at national and regional levels (e.g., the EU level) for rapid decision-making**. An accurate crop yield prediction model can help farmers to decide on what to grow and when to grow. There are different approaches to crop yield prediction.
6.	Scalability of the sollution	⁎**The scalability of the application of the Crop.zone process is generally always given, since the modular design of the high-voltage units, nozzle systems.** ⁕ **We propose that perennial grains offer a lower impact, sustainable nature-based solution to this subset of climatic drivers of marginality.**