

Project Design Phase-I
Proposed Solution Template

Date	28 September 2022
Team ID	PNT2022TMID31901
Project Name	Estimate the Crop yield using Data Analytics
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	crop yield production is one of the most important source of income so it is important to analysing and visualizing the production of crop based on climate variation and identifying the season with average production and usage of crop yield.
2.	Idea / Solution description	To avoid the decrease in production of crop yield we as a team help farmers to decide on what to grow and when to grow. As a team we are proposing a solution, our analysis will have different visualization based on different factors. It gives an knowledge on making decisions in cropping, which will increase the production and reduce the wastage of crops and water.
3.	Novelty / Uniqueness	<ul style="list-style-type: none">❖ Planting right crops based on the season and places❖ Using water for an optimum level
4.	Social Impact / Customer Satisfaction	By using this application, farmers can get an Idea about planting crops based on the season and to plant the crop for the correct optimum level and to analyse the production of crop and to avoid decrease in production of crop .
5.	Business Model (Revenue Model)	By using this we can increase in production of crop and can reduce the wastage of crop and water.
6.	Scalability of the Solution	It is easy and simple process. This will lead to save crops and will be much more benefits for farmers. It will increase in production of crops and help farmers to decide on what to grow and when to grow.