

Project Design Phase - I

Proposed Solution Template

Date	01-11-2022
Team ID	PNT2022TMID32010
Project Name	Estimate the crop yield using Data Analytics
Maximum Marks	2 Marks

Proposed Solution:

S.NO	Parameter	Description
1.	Problem Statement (Problem to be solved)	The ultimate aim of this project is to predict the crop yield with the help of certain data analysis techniques. This can be extremely useful to the farmers so that they can plan their harvests accordingly.
2.	Idea / Solution description	Based on the analysis made on the crop yields, it is feasible to create a mobile or web application which contain details not only about the harvest periods but also about the nature of crops, properties of soil and so on.
3.	Novelty / Uniqueness	This analysis can bring out the goodness of every type of soil and helps us understand the crops better.
4.	Social Impact / Customer Satisfaction	By getting to know about the crop and what time is suitable for harvest, we can make sure that we never hit famine and protect people from running out of food.

5.	Business Model (Revenue Model)	This analysis helps farmers to understand their crops and based on that they can decide whether or not to invest on a particular crop variety. This helps in improving the crop production and thereby increases the revenue of the farmers.
6.	Scalability of the Solution	Once the basic prediction model is designed it can be used to perform analysis on any type of soil and on any crop variety.