

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID03360
Project Name	Project – 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 main problem to be solved using Data analytics is to predict the crop yield primarily based on certain factors which is very useful for farmers.
2.	Idea / Solution description	Analysing past agricultural data related to the crop yields and provide perfect data report of analyse. Helping them out to overcome loss.
3.	Novelty / Uniqueness	This analysed data can be very much helpful for the farmers. Visualize the data and gives farmers to chose which crop to cultivate at certain season/period. This increases the profit and helps us understand why certain crop costs more in one year than the pervious years.
4.	Social Impact / Customer Satisfaction	Analysed data being visualised clearly shows anytics done on agricluture soil,fertilizers,etc., thus helps in increased yield of crops and gain more profits to the farmers.
5.	Business Model (Revenue Model)	It heps in monitoring of crops in real time, create large number of crop production and other raw materials, predictions analysis of future yields. Increase in natural and organic foods from this benefits farmers in a large scale.
6.	Scalability of the Solution	Based on the data analytics and reports, we can cultivate crop according to the favourable factors like type of soil,climate,different states,etc., thus providing accurate crop yield.