Project Design Phase-I
Proposed Solution

Date	20 November 2022
Team ID	PNT2022TMID14253
Project Name	Project – Estimate the crop yield using Data Analytics
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	In the agriculture sector the farmers are facing difficulties in analyzing the demand in market and soil quality analysis to achieve high crop yield through technology. The main objective of this project is to predict crop yield that will be extremely useful to farmers to plan for the harvest and sales of harvested grain.
2.	Idea / Solution description	Provide perfect data report after deep analysis of the past data. Helping them out to overcome loss in farming and business.
3.	Novelty	With this solution we can analyze, visualize data, and give the farmers the option to choose which plant/crop to cultivate in which period/seasonto earn more profit from the crop yield.
4.	Social Impact / Customer Satisfaction	Perfect data visuals create a large impact in the crop yield. And hencefarmers will be able to gain more profit.
5.	Business Model (Revenue Model)	We can increase/enhance crop production and other raw materials. Also, increase in productivity will result in increase of Revenue for the farmers.

6.	Scalability of the Solution	With the data visual reports, farmers will be able to cultivate crop according to the area, climate, soil, and other features that impact the crop yield andhence enhancing the productivity.