Project Design Phase-I
Proposed Solution

Date	16 october 2022
Team ID	PNT2022TMID51723
Project Name	Estimate the Crop Yield using Data Analytics
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
•	Problem Statement (Problem to be solved)	The datasets have been collected and refined based on commonality uses such as location, crop, Area, soil type, temperature, humidity etc. From these parameters name of the crop and net yield rate of the crop can be predicted. Based on various analyses the parameters location, soil type and area are taken as input and prediction have been undertaken.
•	Idea / Solution description	Using data analytics ,we can predict early about climatic and seasonal changes.We can also able to give suggestions to what type of crop is suitable for the particular season or for region to increase the normal crop yield.
•	Novelty / Uniqueness	The uniqueness of this analytic method is to give instant results for the live data and able to forecast earlier.
•	Social Impact / Customer Satisfaction	Early forecast of particular data can increase the crop yield and thus can increase the overall profit thus the customer satisfy his needs as well.
•	Business Model (Revenue Model)	A satisfied customer can share his experience to somebody,through which large number of customer base can form.
•	Scalability of the Solution	Scalability of this solution is resulting high efficient,less effort crop yield estimation.