

Project Design Phase-I
Proposed Solution Template

Date	26 September 2022
Team ID	PNT2022TMIDxxxxxx
Project Name	Project – Estimation the crop yield using data analytics
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To assist the farmers in taking better decision in order to acquire healthy crop production by applying data mining.
2.	Idea / Solution description	Applying data mining methods for predicting the crop production across various areas let us to estimate the optimal crop production assisting the framers to benefit from the forecast.
3.	Novelty / Uniqueness	To visualize the past crop yield data and to list out the crops that may yield poor production leading to loss of invested revenue and identify suitable areas for their production.
4.	Social Impact / Customer Satisfaction	Extreme weather conditions such as high temperature, heavy storms or droughts can severely disrupt crop production.
5.	Business Model (Revenue Model)	Increased amount of waste produced from the crop production may lead to a degrade of profit margin
6.	Scalability of the Solution	The acquired insights from the visualization of crop yield data must be durable in such a way that the production is fairly stable even in sudden change of conditions.